

MTR-03
NEW

METER MOUNTING & DISTRIBUTION EQUIPMENT



B-Line
SYSTEMS THAT MAKE SENSE

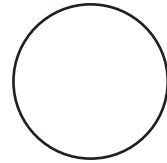
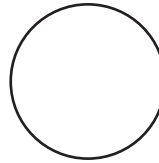
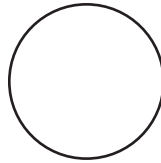


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COOPER  **B-Line**

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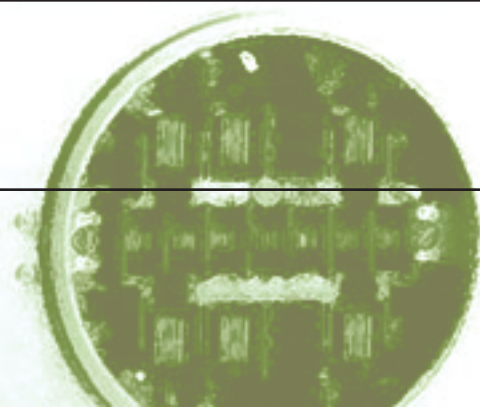
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B-Line



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Δ Non-stock item— consult customer service for lead times

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Δ Non-stock item– consult customer service for lead times

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6067HALS	111	B852S-12-18	166	CMP4911MCH	159
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Δ Non-stock item— consult customer service for lead times

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Δ Non-stock item— consult customer service for lead times

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U011	2	U215MTBH	38 Δ	U227MTBPL	66
U121314	10	U215MTBHMS15	44 Δ	U227MTBPMS15	64
U121314F	10 Δ	U215MTBHMS45	36 Δ	U264	12
U121315	10	U215MTBL	48 Δ	U264F	12
U121315F	10 Δ	U215MTBMS15	42	U267	12
U121317	10	U215MTBMS84	34	U267F	12 Δ
U121317F	10 Δ	U215MTBP	40 Δ	U2M11R	20 Δ
U121814	104	U215MTBPL	48 Δ	U2M11RF	21 Δ
U121815	104	U215MTBPMS15	46	U2M200P	146 Δ
U121816	104	U217MTB	32	U2M200PP	146
U121818	104	U217MTBH	38 Δ	U2M211R	20 Δ
U122013	104	U217MTBHMS15	44 Δ	U2M211RF	21 Δ
U122015	104	U217MTBHMS45	36	U2M25R	20 Δ
U122018	104 Δ	U217MTBL	48	U2M25RF	21 Δ
U1M1R	16	U217MTBMS15	42 Δ	U2M2R	20
U1M1R7	16	U217MTBMS84	34	U2M2R7	20
U1M1R7F	16 Δ	U217MTBP	40	U2M2R7F	21 Δ
U1M1RF	16	U217MTBPL	48	U2M2RF	21
U1M1RP	16	U217MTBPMS15	46	U2M2RP	20
U1M1RPF	16 Δ	U224M11TB	52	U2M2RPF	21
U204	4	U224MTB	52	U40411230MC	90 Δ
U204F	5	U224MTBH	58	U40411230MCC	90 Δ
U204FMS73	5	U224MTBHMS15	60 Δ	U4042208MC	90
U204FMS73CD	5 Δ	U224MTBHMS45	56	U4042208MCC	90
U204FMSCD	5 Δ	U224MTBL	66	U4042230MC	90
U204FSS	5	U224MTBMS84	54	U4042230MCC	90
U204MS21	4	U224MTBP	62	U4042MC	88
U204MS73	4 Δ	U224MTBPL	66	U4042MCC	88
U204MS73CD	4 Δ	U224MTBPMS15	64 Δ	U404430MC	90
U204MSCD	4	U225MTB	52	U404430MCC	90
U204SSMS21	4	U225MTBH	58 Δ	U404MC	88
U207	4	U225MTBHMS15	60 Δ	U404MCC	88
U207F	5 Δ	U225MTBHMS45	56 Δ	UG204	6
U207MS73	4 Δ	U225MTBL	66 Δ	UG204F	6
U214MTB	32	U225MTBMS84	54	UG204FMS82	6
U214MTBH	38	U225MTBP	62 Δ	UG204FMS82CD	6 Δ
U214MTBHMS15	44 Δ	U225MTBPL	66 Δ	UG204FMSCD	6 Δ
U214MTBHMS45	36	U225MTBPMS15	64	UG204FSS	6
U214MTBL	48	U227MTB	52	UG204MS82	6
U214MTBMS15	42	U227MTBH	58	UG204MS82CD	6 Δ
U214MTBMS84	34	U227MTBHMS15	60 Δ	UG204MSCD	6 Δ
U214MTBP	40	U227MTBHMS45	56	UG204SS	6 Δ

General prefix description

R	Rain tight/Rain proof
U or UG	Underground feed

General suffix description

CD	Continuous duty
CT	Current transformer rated socket
CTB	Back connected CT rated socket
F	Semi-flush
HRTCT	Hinged rain tight CT enclosure
MCC	Manual circuit closing
MS	Manufacturing specification — see MS descriptions
MTB	Safety socket with main breaker
MTBH	Safety socket with higher AIC rating
MTBL	Safety socket with load center
MTBP	Safety socket with fusible pull-out switch
MTBPL	Safety socket with fusible pull-out switch & load center
RTCT	Rain tight CT enclosure
SS	Stainless steel
TB	Test block safety socket

MS number description

MS Number	Product	Difference
MS15	MTB(P) Series	Changes voltage rating of device from 240 Volts to 480 Volts
MS21	U204	Fabricated with an AW Hub provision on top end
MS45	MTBH Series	Changes short circuit rating to 22K AIC
MS60	2012, 2013	Units have an AW Hub provision for overhead feed
MS66	M1M100PD	Landing lugs are replaced by landing pads with studs
MS68	204	Has 2-inch hub installed
MS73	All Meter Enclosures	Replaces snap type sealing ring with screw type sealing ring
MS82	UG204(F)	Replaces 250kcmil line lugs with 350kcmil line lugs

Example

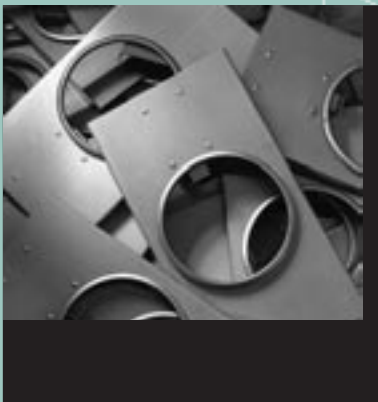
		U227MTBHMS15	
U or UG	Underground feed		
MTBH	Safety socket with higher AIC rating		
MS15	Changes voltage rating of device from 240 Volts to 480 Volts		

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SINGLE METER SOCKETS WITHOUT BYPASS

COOPER B-Line



B-Line



Single Meter Sockets Without Bypass

100 Amp Self-Contained



011

Application

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Surface or semi-flush mounting
- Overhead or underground feed

Construction

- Type 3R construction
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – 011 series only
- Ring style

Standards

- UL 414 listed, complies with ANSI C12.7

Finish

- ANSI 61 gray acrylic electrocoat finish

Accessories

- 5th jaw kit — catalog #50365
- Screw type sealing ring — catalog #25016D (included with MS73 catalog numbers)
- Steel and clear lexan covers for socket opening
- AW hubs

Overhead–Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
011	†	150	125	600	1Ø 3W	4	AW	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
011MS73	†	150	125	600	1Ø 3W	4	AW	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
927	†	150	125	600	3Ø 4W	7	AW	14 AWG - 1/0 AWG	14 AWG - 2/0 AWG	Fig. 3	17	8	4 5/8

Overhead–Flush Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
011F	†	150	125	600	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 2,6	12	8	4 5/8
011SF	†	150	125	600	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 2,7	12	8	4 5/8
927F	†	125	100	600	3Ø 4W	7	NONE	14 AWG - 1/0 AWG	14 AWG - 2/0 AWG	Fig. 4	17	8	4 5/8

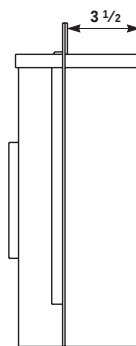
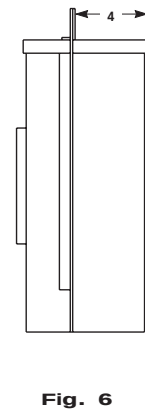
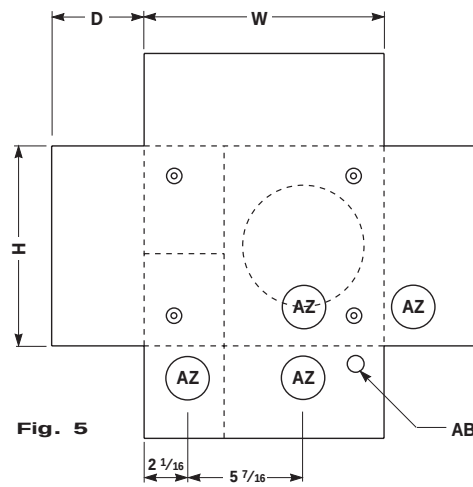
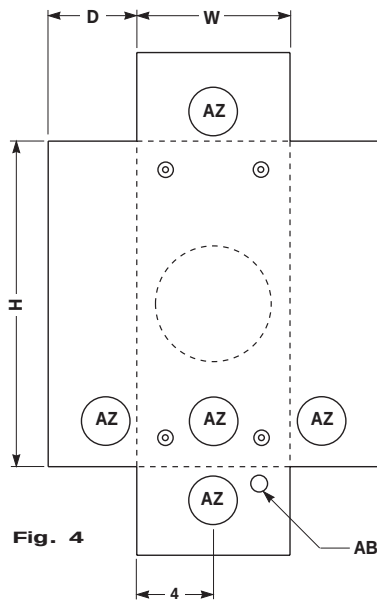
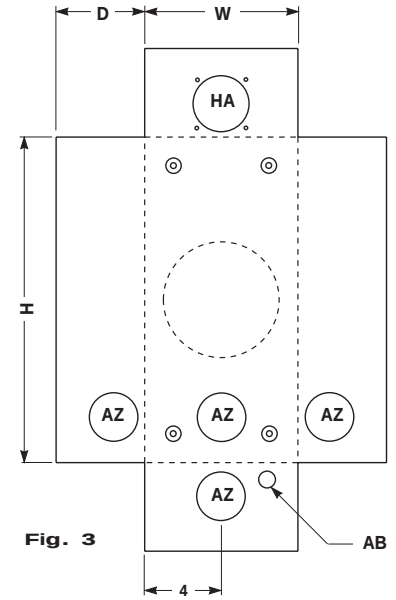
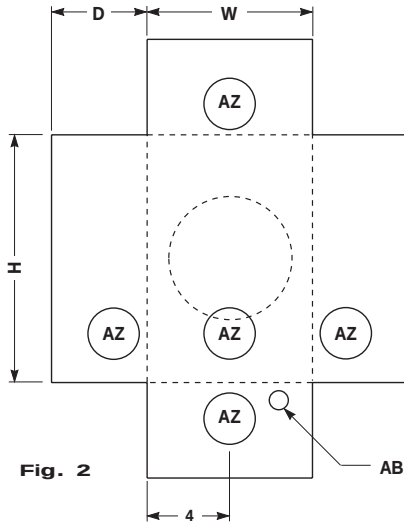
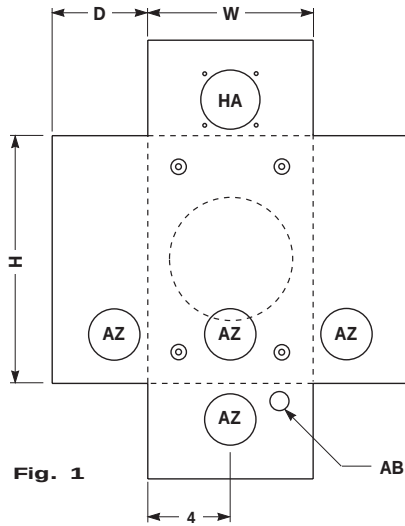
Underground–Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U011	†	150	125	600	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 5	12	12	4 5/8

† = Meter sockets shown on this page have certain short circuit current ratings when used in conformance with the tables on page 8.

Single Meter Sockets Without Bypass

100 Amp Self-Contained



Knockouts — Conduit Sizes

AB = 1/2"
AZ = 2" - 1 1/2" - 1 1/4" - 1"
HA = AW HUB

Single Meter Sockets /
Without Bypass

1

Single Meter Sockets Without Bypass

200 Amp Self-Contained



204

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Surface or semi-flush mounting
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- Some styles available in stainless steel (SS)
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- 5th jaw kit — catalog #50365
- Screw type sealing ring — catalog #25016D (included with MS73 catalog numbers)
- Steel and clear lexan covers for socket opening
- AW hubs

Overhead-Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
204	†	200	--	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 7	15	8 ¼	4 ⅝
204MS68*	†	200	--	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 7	15	8 ¼	4 ⅝
204MS68A**	†	200	--	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 7	15	8 ¼	4 ⅝

*2" hub included

**Includes 2" hub and screw type sealing ring

Overhead-Flush Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
204F	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1,8	15	8	6
204FMS73	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1,8	15	8	6

Underground-Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U204	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2	15	12	4 ⅝
U204MS73	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2	15	12	4 ⅝
U204MSCD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2	15	12	4 ⅝
U204MS73CD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2	15	12	4 ⅝

Overhead / Underground-Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U204MS21	†	200	--	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 4	15	12	4 ⅝
U204SSMS21	†	200	--	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 4	15	12	4 ⅝
U207	†	250	200	600	3Ø 4W	7	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 6	18	12	5
U207MS73	†	250	200	600	3Ø 4W	7	AW	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 6	18	12	5

MS21 = 2" AW Hub installed

Single Meter Sockets Without Bypass

200 Amp Self-Contained

Underground-Flush Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U204F	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 3,8	15	12	6
U204FMS73	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 3,8	15	12	6
U204FSS	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 3,8	15	12	6
U204FMSCD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 3,8	15	12	6
U204FMS73CD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 3,8	15	12	6
U207F	†	250	200	600	3Ø 4W	7	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 5	18	12	5

† = Meter sockets shown on pages 4 & 5 have certain short circuit current ratings when used in conformance with the tables on page 8.

MS73 = Includes screw type sealing ring

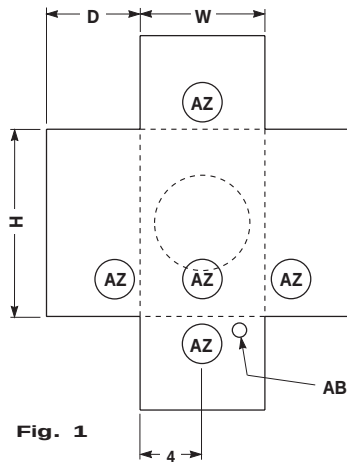


Fig. 1

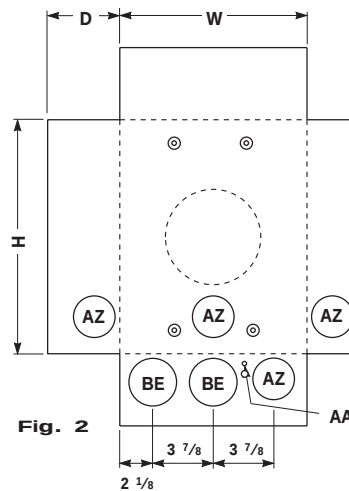


Fig. 2

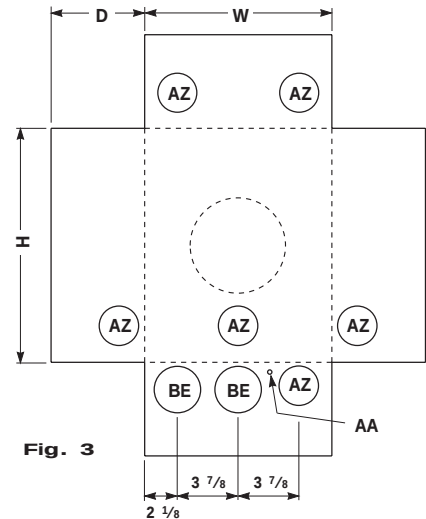


Fig. 3

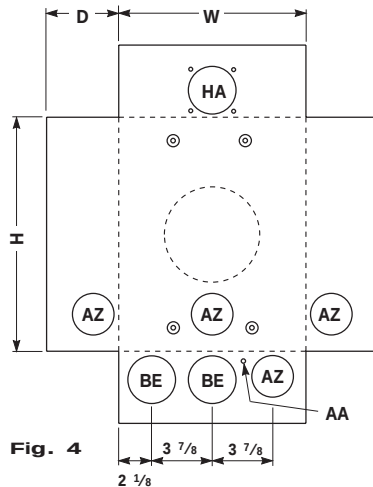


Fig. 4

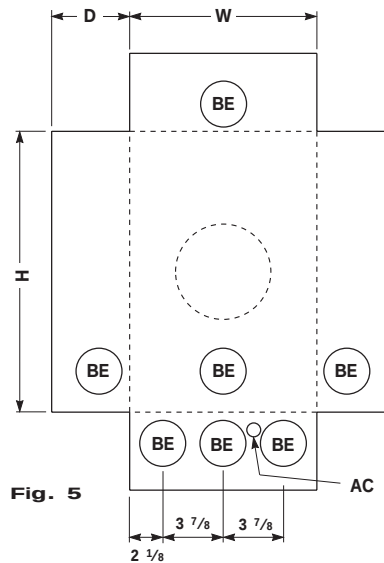


Fig. 5

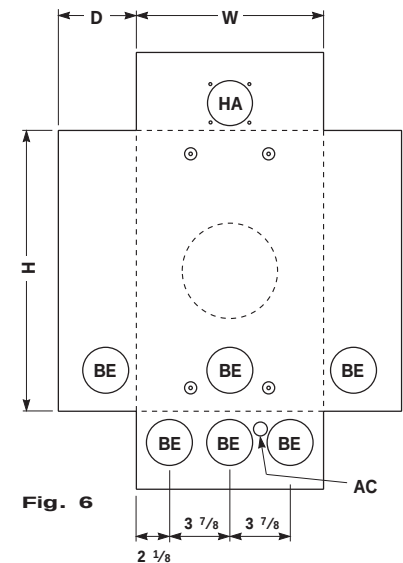


Fig. 6

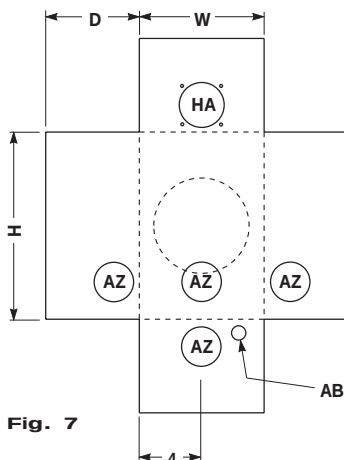


Fig. 7

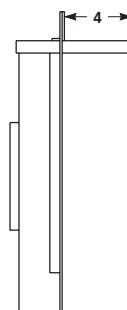


Fig. 8

Knockouts — Conduit Sizes

AA = 1/4"
 AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Single Meter Sockets Without Bypass

200 Amp Self-Contained



UG204

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Surface or flush mounting
- Underground feed

CONSTRUCTION

- Type 3R construction
- Dedicated straight wire line section
- Some styles available in stainless steel (SS)
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- 5th jaw kit — catalog #50365
- Screw type sealing ring — catalog #25016D
- Steel and clear lexan covers for socket opening

Underground-Surface Mount

Underground-Surface Mount				CONDUCTOR LUG RANGE					DIMENSIONS (INCHES)				
CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
UG204	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1	17	14	4 5⁄8
UG204MS82	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 350 kcmil/6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1	17	14	4 5⁄8
UG204MSCD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1	17	14	4 5⁄8
UG204MS82CD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 350 kcmil/6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1	17	14	4 5⁄8
UG204SS	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 1	17	14	4 5⁄8

Underground-Flush Mount

Underground-Flush Mount				CONDUCTOR LUG RANGE					DIMENSIONS (INCHES)				
CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
UG204F	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2,3	17	14	6
UG204FMS82	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 350 kcmil/6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2,3	17	14	6
UG204FMSCD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2,3	17	14	6
UG204FMS82CD	†	250	200	600	1Ø 3W	4	NONE	6 AWG - 350 kcmil/6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2,3	17	14	6
UG204FSS	†	200	--	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	6 AWG - 250 kcmil	Fig. 2,3	17	14	6

† = Meter sockets shown on this page have certain short circuit current ratings when used in conformance with the tables on page 8.

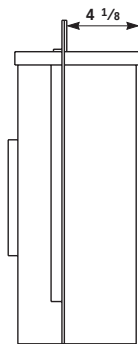
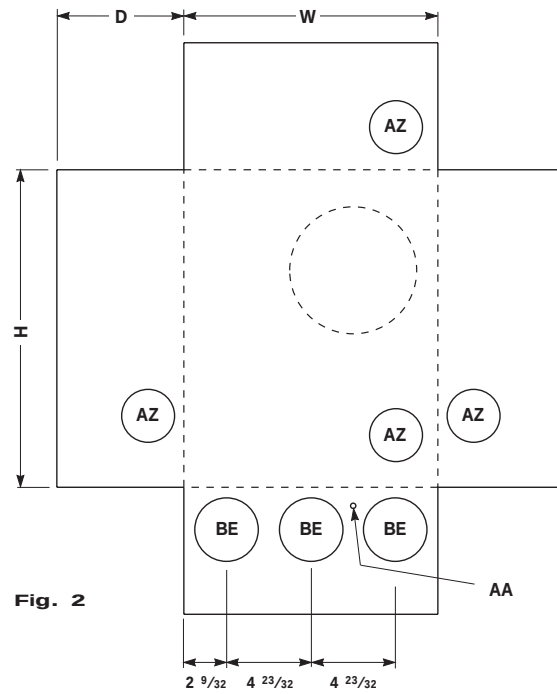
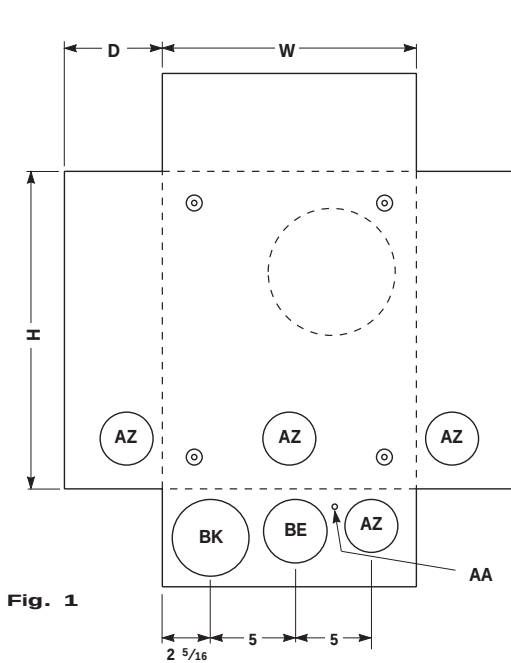


Fig. 3

Knockouts — Conduit Sizes

AA = 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BK = 3" - 2 1/2" - 2" - 1 1/2"

The meter sockets shown in this section have certain short circuit current ratings when used in conformance with the tables below:

WHEN USED IN CONJUNCTION WITH FUSE OR BREAKER	THIS METER SOCKET IS RATED FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN	At Volts Max.
Class 100 Meter Sockets		
100Amp class J, T, RK1 or RK5 fuse	100,000 RMS Symmetrical Amperes	600
100Amp Siemens type "HQP" circuit breaker	65,000* RMS Symmetrical Amperes	240
100Amp Westinghouse type "QHPX" circuit breaker	42,000* RMS Symmetrical Amperes	240
100Amp listed circuit breaker	25,000* RMS Symmetrical Amperes	240
Class 200 Meter Sockets		
200Amp class J or T fuse	200,000 RMS Symmetrical Amperes	600
200Amp class RK-1 fuse	42,000 RMS Symmetrical Amperes	480
200Amp Siemens type "HFD6" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJ2-H" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJH2" circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp West. type "CAH" circuit breaker	22,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker (1Ø only)	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
Class 320 Meter Sockets		
400Amp class J or T fuse	100,000* RMS Symmetrical Amperes	600
400Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

**Not in excess of the circuit breaker interrupting rating*

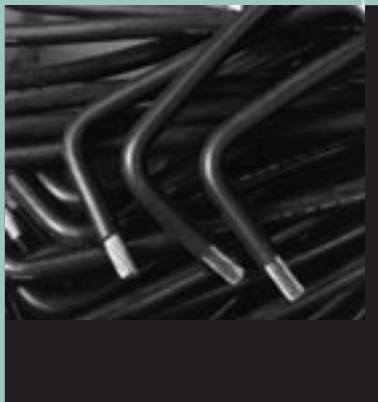
Note: This table does not apply to meter-breaker units or to CT rated sockets

SINGLE METER SOCKETS MANUAL CIRCUIT CLOSING BYPASS

COOPER B-Line



SEE NOTE #3



U264

NOTE #2

SEE NOTE #5

SEE NOTE #6

B-Line





U121314

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead/underground feed
- Surface or semi-flush mounting

CONSTRUCTION

- Type 3R construction
- Manual circuit closing bypass (link bypass) under separate sealable cover
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Screw type sealing ring, catalog #25016D
- Steel or clear lexan covers for socket opening
- AW hubs

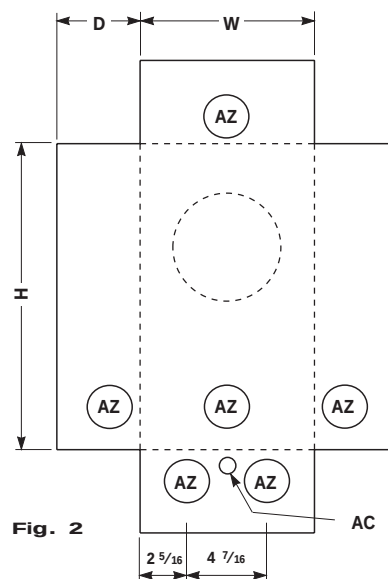
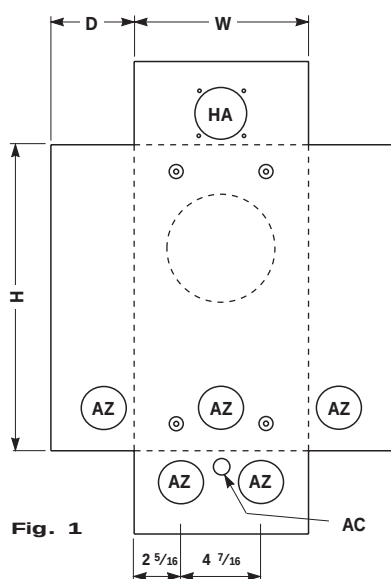
Overhead / Underground–Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX. CONT.		VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U121314	†	125	100	600	1Ø 3W	4	MCC	AW	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 1	17	9 11/16	4 5/8
U121315	†	125	100	600	1Ø 3W	5	MCC	AW	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 1	17	9 11/16	4 5/8
U121317	†	125	100	600	3Ø 4W	7	MCC	AW	14 AWG - 1/0 AWG	14 AWG - 2/0 AWG	Fig. 1	20	9 11/16	4 5/8

Overhead / Underground–Flush Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX. CONT.		VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U121314F	†	125	100	600	1Ø 3W	4	MCC	NONE	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 2	17	9 11/16	4 5/8
U121315F	†	125	100	600	1Ø 3W	5	MCC	NONE	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	Fig. 2	17	9 11/16	4 5/8
U121317F	†	125	100	600	3Ø 4W	7	MCC	NONE	14 AWG - 1/0 AWG	14 AWG - 2/0 AWG	Fig. 2	20	9 11/16	4 5/8

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 14.



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " – $\frac{1}{4}$ "
 AZ = 2" – $1\frac{1}{2}$ " – $1\frac{1}{4}$ " – 1"
 HA = AW HUB



U264

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead/underground feed
- Surface or semi-flush mounting

CONSTRUCTION

- Type 3R construction
- Manual circuit closing bypass under separate sealable cover
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U264 only
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- 5th jaw kit, – catalog #50365
- Screw type sealing ring, – catalog #25016D
- Steel or clear lexan covers for socket opening
- AW hubs

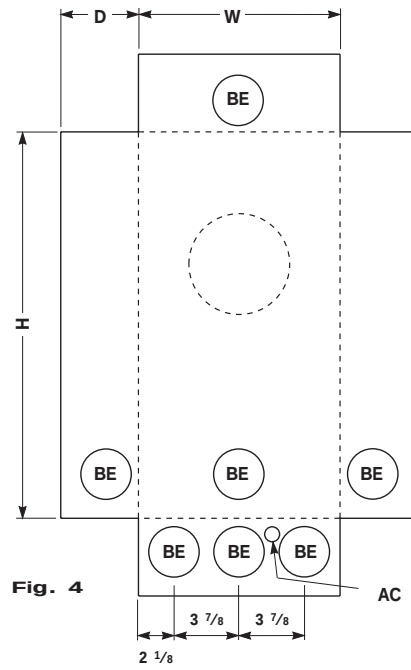
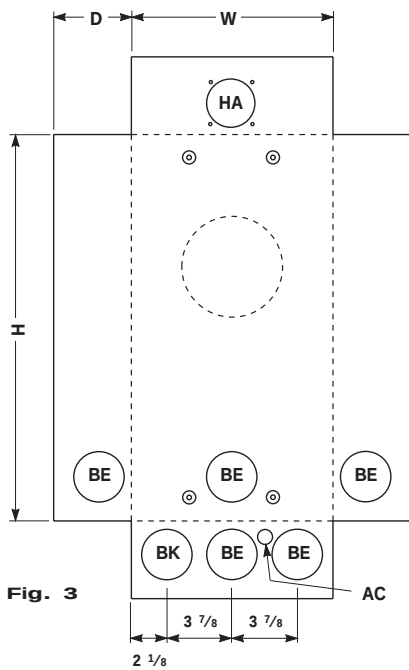
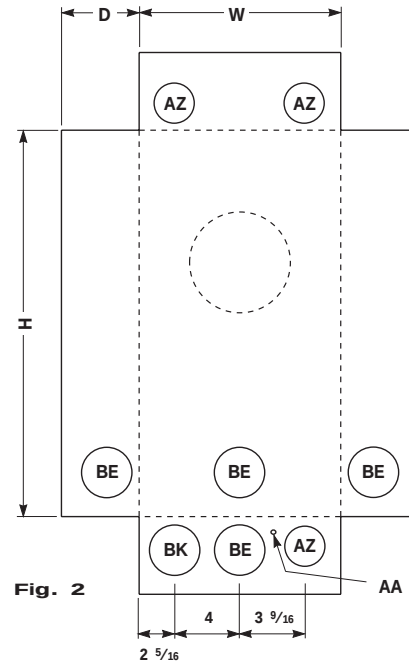
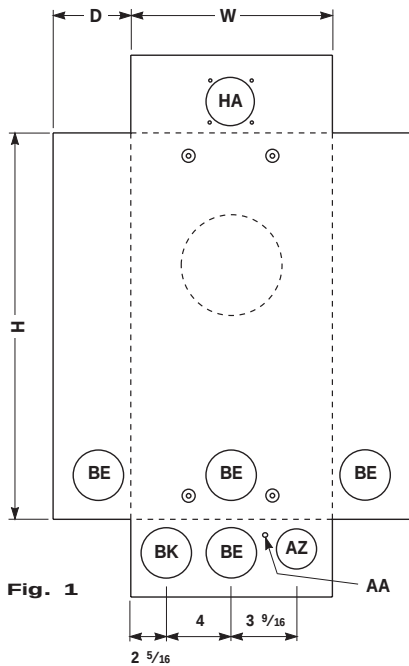
Overhead / Underground–Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX. CONT.		VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U264	†	250	200	600	1Ø 3W	4	MCC	AW	6 AWG - 250kcmil	6 AWG - 250kcmil	Fig. 1	23	12	4 5/8
U267	†	250	200	600	3Ø 4W	7	MCC	AW	6 AWG - 250kcmil	6 AWG - 250kcmil	Fig. 3	23	12	5

Overhead / Underground–Flush Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX. CONT.		VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U264F	†	250	200	600	1Ø 3W	4	MCC	NONE	6 AWG - 250kcmil	6 AWG - 250kcmil	Fig. 2	23	12	4 5/8
U267F	†	250	200	600	3Ø 4W	7	MCC	NONE	6 AWG - 250kcmil	6 AWG - 250kcmil	Fig. 4	23	12	5

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 14.



Knockouts — Conduit Sizes

AA = 1/4"
AC = 1/2" - 1/4"
AZ = 2" - 1 1/2" - 1 1/4" - 1"
BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
BK = 3" - 2 1/2" - 2" - 1 1/2"
HA = AW HUB

The meter sockets shown in this section have certain short circuit current ratings when used in conformance with the tables below:

WHEN USED IN CONJUNCTION WITH FUSE OR BREAKER	THIS METER SOCKET IS RATED FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN	At Volts Max.
--	--	---------------

Class 100 Meter Sockets

100Amp class J, T, RK1 or RK5 fuse	100,000 RMS Symmetrical Amperes	600
100Amp Siemens type "HQP" circuit breaker	65,000* RMS Symmetrical Amperes	240
100Amp Westinghouse type "QHPX" circuit breaker	42,000* RMS Symmetrical Amperes	240
100Amp listed circuit breaker	25,000* RMS Symmetrical Amperes	240

Class 200 Meter Sockets

200Amp class J or T fuse	200,000 RMS Symmetrical Amperes	600
200Amp class RK-1 fuse	42,000 RMS Symmetrical Amperes	480
200Amp Siemens type "HFD6" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJ2-H" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJH2" circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp West. type "CAH" circuit breaker	22,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker (1Ø only)	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

Class 320 Meter Sockets

400Amp class J or T fuse	100,000* RMS Symmetrical Amperes	600
400Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

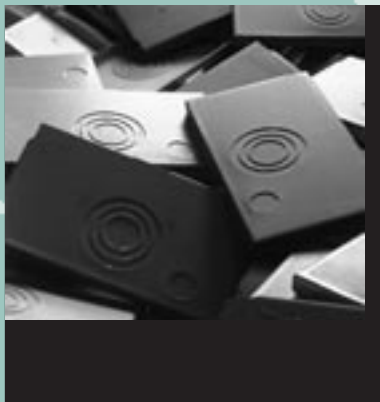
**Not in excess of the circuit breaker interrupting rating*

Note: This table does not apply to meter-breaker units or to CT rated sockets

COOPER B-Line



METER MAINS WITHOUT BYPASS



2M2R

B-Line



Meter Mains Without Bypass

100 Amp Self-Contained



1M1R



U1M1R

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface or semi-flush mounting

CONSTRUCTION

- Type 3R construction
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- 5th jaw kit – catalog #50365
- Screw type sealing ring – catalog #25016D
- Steel or clear lexan covers for socket opening
- AW Hubs

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
1M1R	(1) 100A 2P CB	NONE	10K ²	125 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 1	24	8	4 5/8
1M1RP	(1) 100A 2P CB	(1) 2P Prov ¹	10K ²	125 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 1	24	8	4 5/8
1M1R7	(1) 100A 3P CB	NONE	10K ²	100 100	120/240 & 120/208	3Ø 4W	7	AW	14 AWG - 1/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 2	24	8	4 5/8

Overhead–Flush Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
1M1RF	(1) 100A 2P CB	NONE	10K ²	125 100	120/240	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 3	24	8	4 5/8
1M1RPF	(1) 100A 2P CB	(1) 2P PROV ¹	10K ²	125 100	120/240	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 3	24	8	4 5/8
1M1R7F	(1) 100A 3P CB	NONE	10K ²	100 100	120/240 & 120/208	3Ø 4W	7	NONE	14 AWG - 1/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 4	24	8	4 5/8

Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U1M1R	(1) 100A 2P CB	NONE	10K ²	125 100	120/240	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 5	24	14	4 5/8
U1M1RP	(1) 100A 2P CB	(1) 2P Prov ¹	10K ²	125 100	120/240	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 5	24	14	4 5/8
U1M1R7	(1) 100A 3P CB	NONE	10K ²	100 100	120/240 & 120/208	3Ø 4W	7	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 6	24	14	4 5/8

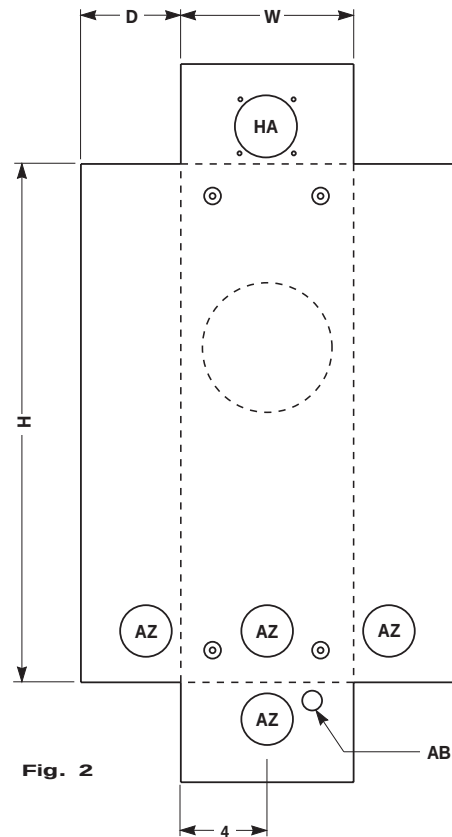
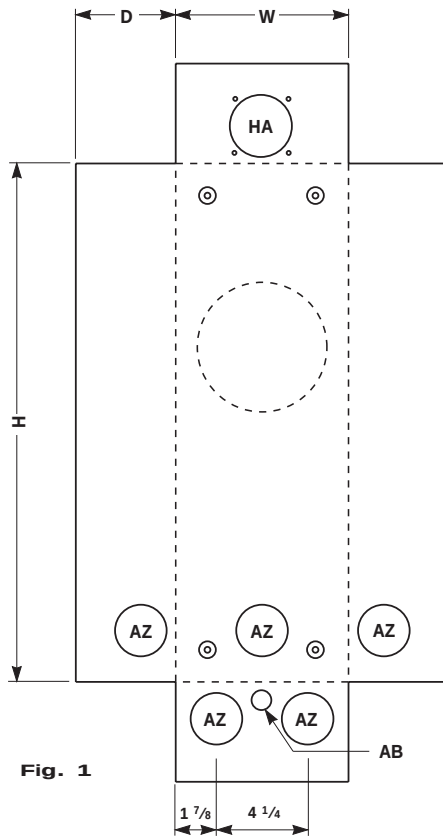
Underground–Flush Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U1M1RF	(1) 100A 2P CB	NONE	10K ²	125 100	120/240	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 5,7	24	14	4 5/8
U1M1RPF	(1) 100A 2P CB	(1) 2P PROV ¹	10K ²	125 100	120/240	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 5,7	24	14	4 5/8
U1M1R7F	(1) 100A 3P CB	NONE	10K ²	100 100	120/240 & 120/208	3Ø 4W	7	NONE	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 6,7	24	14	4 5/8

¹ = Provision bussed ahead of main circuit breaker

² = 22K AIC main circuit breaker available upon request (not available in 42K AIC)

Note: All provisions accept Westinghouse Quicklag "HQP", General Electric "THQL" and Siemens "QP" type plug-in circuit breakers.



Knockouts — Conduit Sizes

AB = 1/2"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 HA = AW HUB

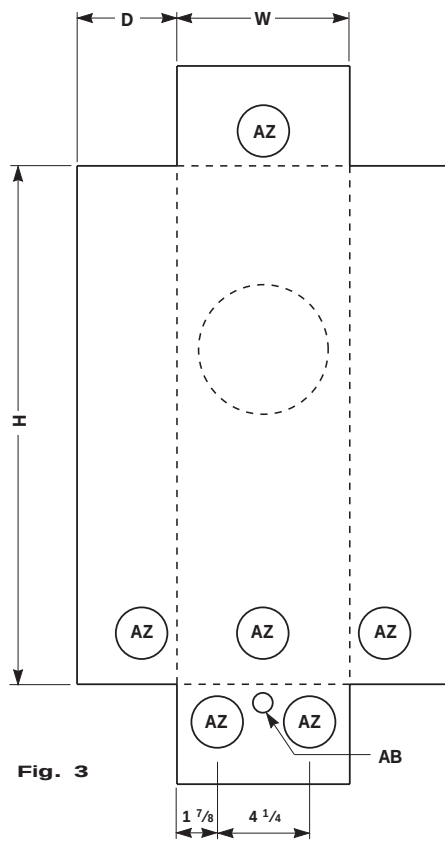


Fig. 3

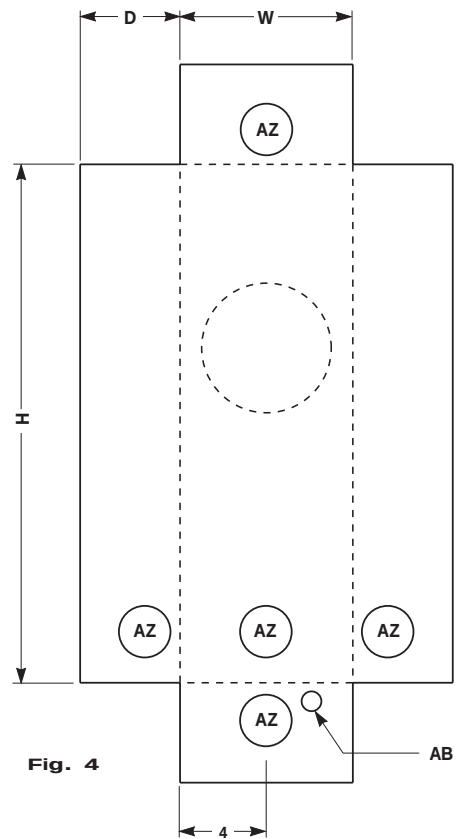
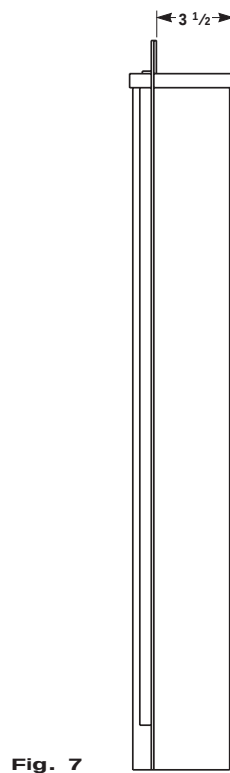
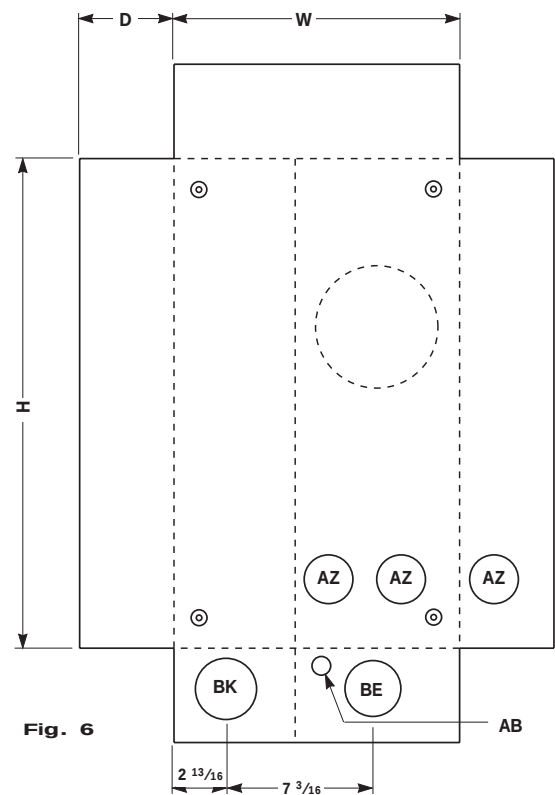
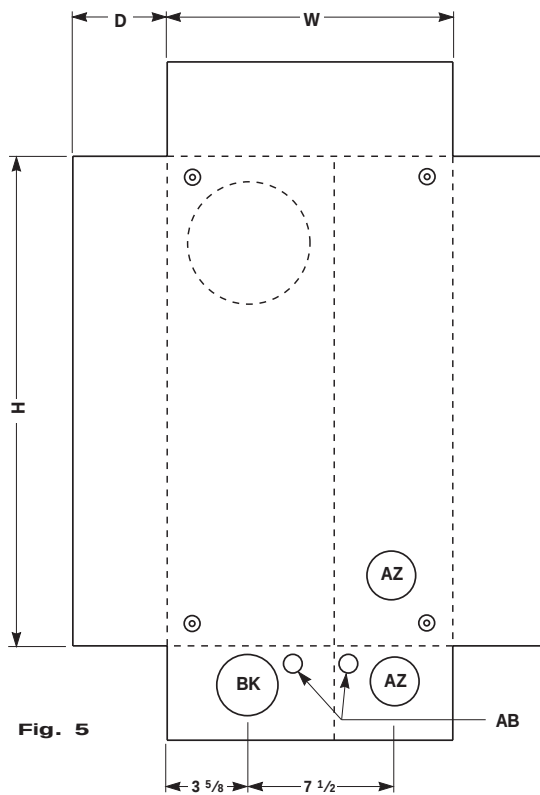


Fig. 4

Knockouts — Conduit Sizes

AB = $\frac{1}{2}$ "
 AZ = $2" - 1 \frac{1}{2}" - 1 \frac{1}{4}" - 1"$
 HA = AW HUB



Knockouts — Conduit Sizes

AB = $\frac{1}{2}$ "
 AZ = $2" - 1\frac{1}{2}" - 1\frac{1}{4}" - 1"$
 BE = $2\frac{1}{2}" - 2" - 1\frac{1}{2}" - 1\frac{1}{4}"$
 BK = $3" - 2\frac{1}{2}" - 2" - 1\frac{1}{2}"$

Meter Mains Without Bypass

200 Amp Self-Contained



2M2R



U2M2R

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface or semi-flush mounting

CONSTRUCTION

- Type 3R construction
- Snap type sealing ring included
- Ring style
- 5th jaw provision at nine o'clock for underground devices and at six o'clock for overhead devices

STANDARDS

- UL 67 listed, complies with ANSI 12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Screw type sealing ring, Catalog #25016D
- Steel or clear lexan covers for socket opening
- AW Hubs

Overhead-Surface Mount

Overhead-Surface Mount										CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)	
2M2R	(1) 200A 2P CB	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	32	8	4 5/8	
2M25R	(1) 200A 2P CB & (1) 50A 2P CB ²	NONE	10K ⁴	--	200	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 4	32	8	4 5/8	
2M11R	(2) 100A 2P CB	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 6	32	8	4 5/8	
2M2RP	(1) 200A 2P CB* (1) 2P Prov.	10K ⁴	--	200		120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 4	32	8	4 5/8	
2M211R	(1) 200A 2P CB & (2) 100A 2P CB ³	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 6	36	8	4 5/8	
2M2R7	(1) 200A 3P CB	NONE	10K ⁴	200	--	120/240 & 120/208	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 8	36	10	5	

Overhead-Flush Mount

Overhead-Flush Mount										CONDUCTOR LUG RANGE			DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
2M2RF	(1) 200A 2P CB	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1.3	32	8	4 5/8
2M25RF	(1) 200A 2P CB & (1) 50A 2P CB ²	NONE	10K ⁴	--	200	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1.5	32	8	4 5/8
2M11RF	(2) 100A 2P CB	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1.7	32	8	4 5/8
2M2RPF	(1) 200A 2P CB	(1) 2P Prov. ¹	10K ⁴	--	200	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1.5	32	8	4 5/8
2M211RF	(1) 200A 2P CB & (2) 100A 2P CB ³	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1.7	36	8	4 5/8
2M2R7F	(1) 200A 3P CB	NONE	10K ⁴	200	--	120/240 & 120/208	3Ø 4W	7	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 9	36	10	5

Underground-Surface Mount

Underground-Surface Mount										CONDUCTOR LUG RANGE			DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
U2M2R	(1) 200A 2P CB	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 10	25	14	6
U2M25R	(1) 200A 2P CB & (1) 50A 2P CB ²	NONE	10K ⁴	--	200	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 10	25	14	6
U2M11R	(2) 100A 2P CB	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 11	25	14	6
U2M2RP	(1) 200A 2P CB	(1) 2P Prov. ¹	10K ⁴	--	200	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 10	25	14	6
U2M211R	(1) 200A 2P CB & (2) 100A 2P CB ³	NONE	10K ⁴	200	--	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 12	27	14	6
U2M2R7	(1) 200A 3P CB	NONE	10K ⁴	200	--	120/240 & 120/208	3Ø 4W	7	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 13	30	17	5

Meter Mains Without Bypass

200 Amp Self-Contained

Underground-Flush Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U2M2RF	(1) 200A 2P CB	NONE	10K ⁴	200 --	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 10	25	14	6
U2M25RF	(1) 200A 2P CB & (1) 50A 2P CB ²	NONE	10K ⁴	-- 200	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 10	25	14	6
U2M11RF	(2) 100A 2P CB	NONE	10K ⁴	200 --	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 11	25	14	6
U2M2RPF	(1) 200A 2P CB	(1) 2P Prov. ¹	10K ⁴	-- 200	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 10	25	14	6
U2M211RF	(1) 200A 2P CB & (2) 100A 2P CB ³	NONE	10K ⁴	200 --	120/240	1Ø 3W	4	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 12	27	14	6
U2M2R7F	(1) 200A 3P CB	NONE	10K ⁴	200 --	120/240 & 120/208	3Ø 4W	7	NONE	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 13	30	17	5

* Sum of the main disconnect cannot exceed 250 amperes

¹ = Provision bussed ahead of main circuit breaker

² = 1-50A 2P CB bussed ahead of main circuit breaker

³ = 2-100A 2P CB bussed below main circuit breaker

⁴ = 22K AIC main circuit breaker available upon request

Note: All provisions accept Westinghouse Quicklag "HQP", General Electric "THQL" and Siemens "QP" type plug-in circuit breakers.

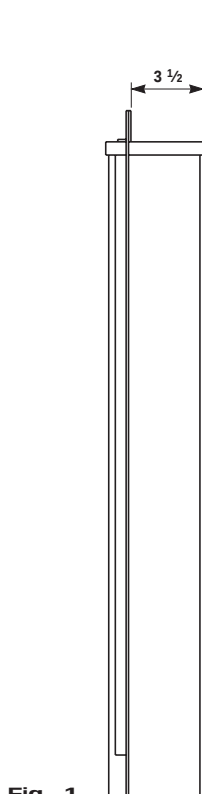


Fig. 1

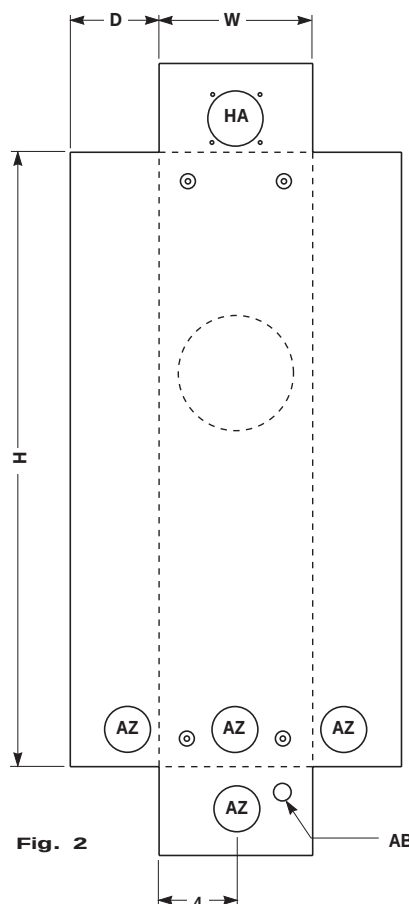


Fig. 2

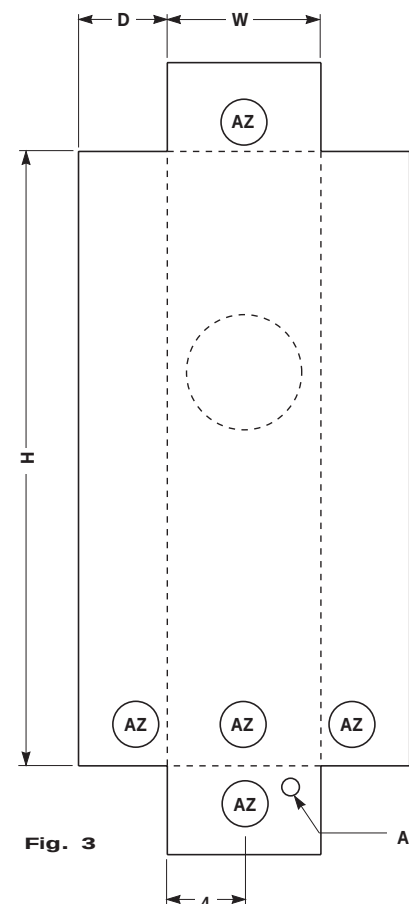


Fig. 3

Knockouts — Conduit Sizes

AB = 1/2"

AZ = 2" - 1 1/2" - 1 1/4" - 1"

HA = AW HUB

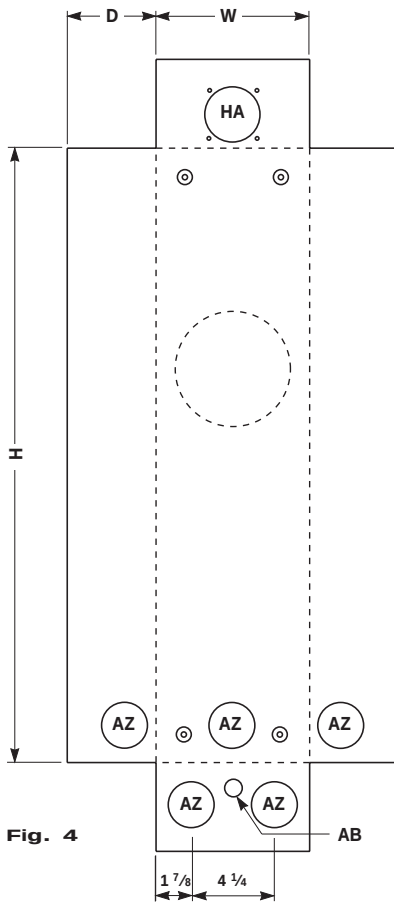


Fig. 4

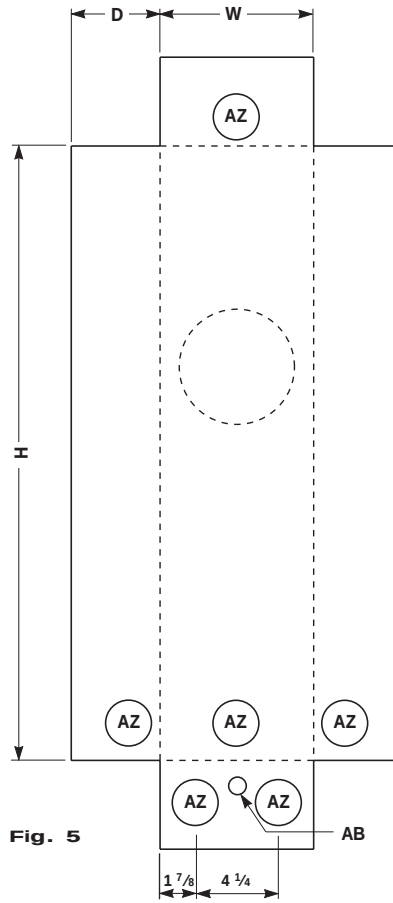


Fig. 5

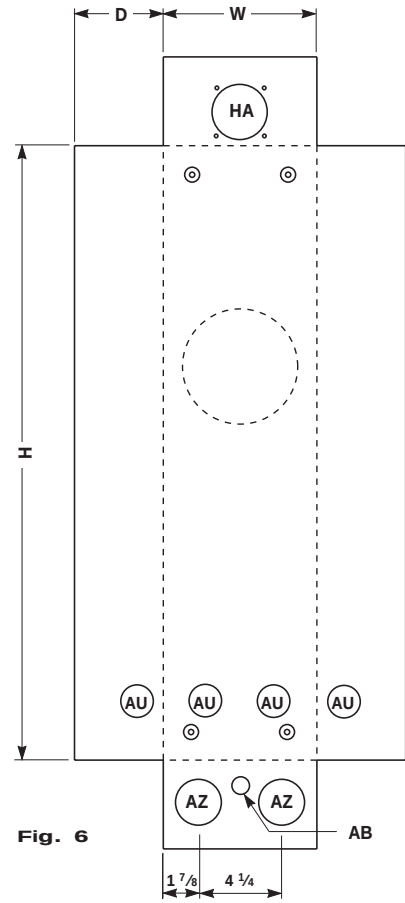


Fig. 6

Knockouts — Conduit Sizes

AB = 1/2"
 AU = 1 1/2" - 1 1/4" - 1" - 3/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 HA = AW HUB

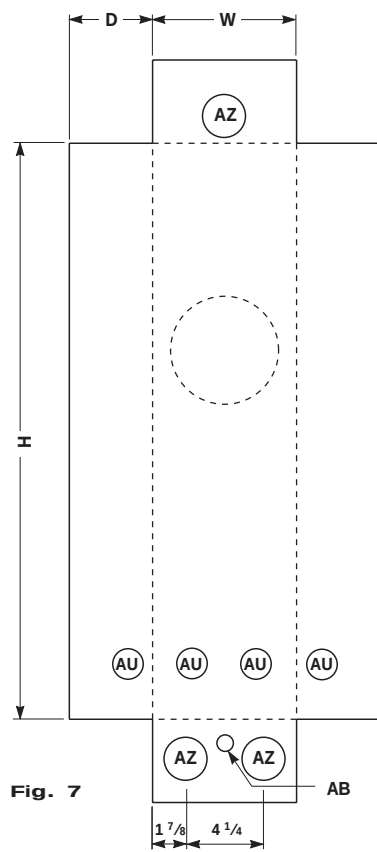


Fig. 7

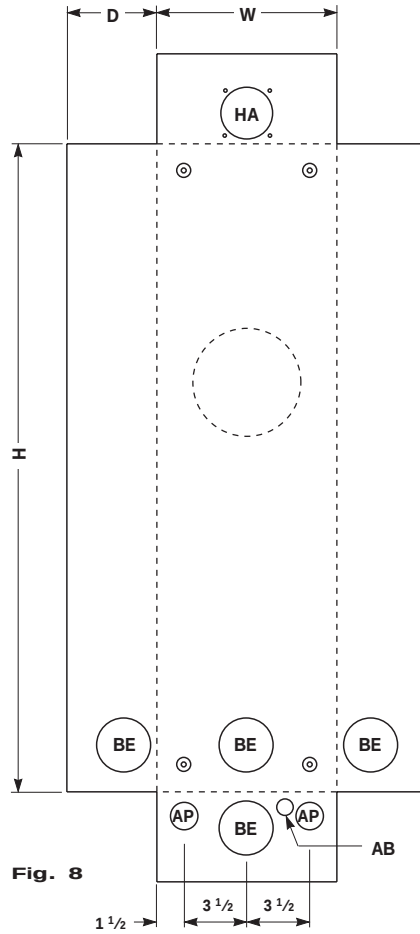


Fig. 8

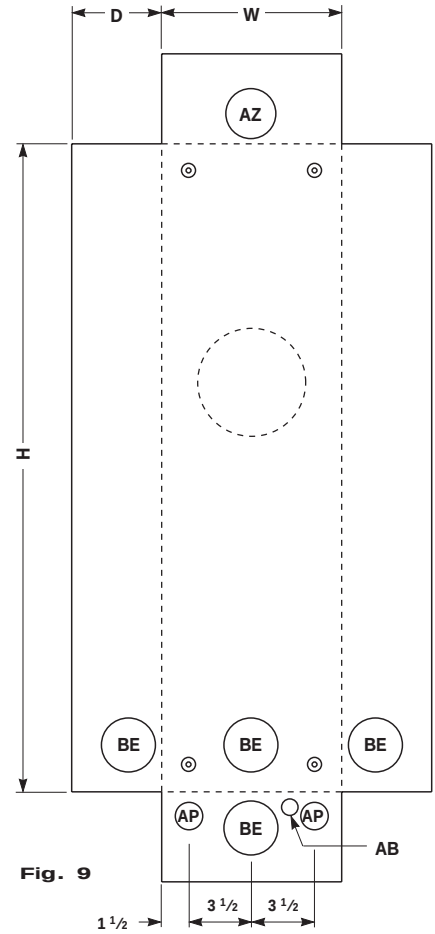
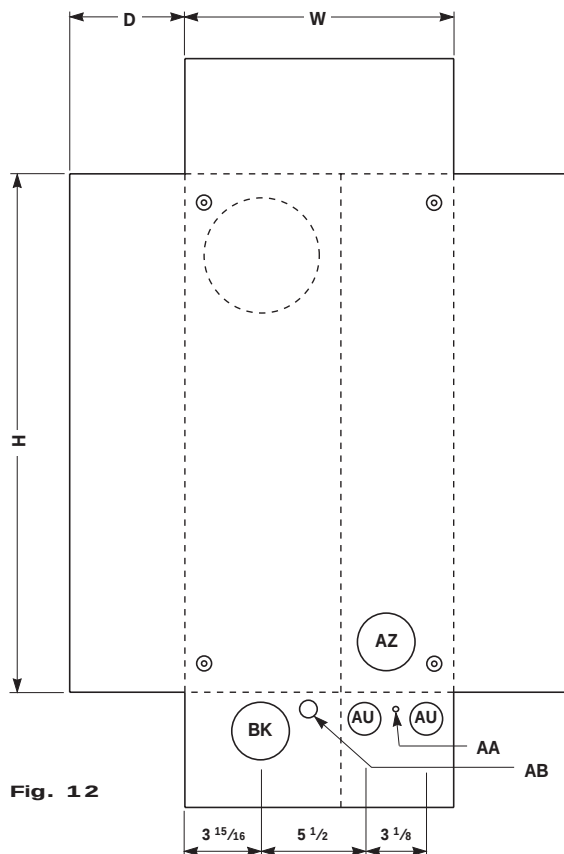
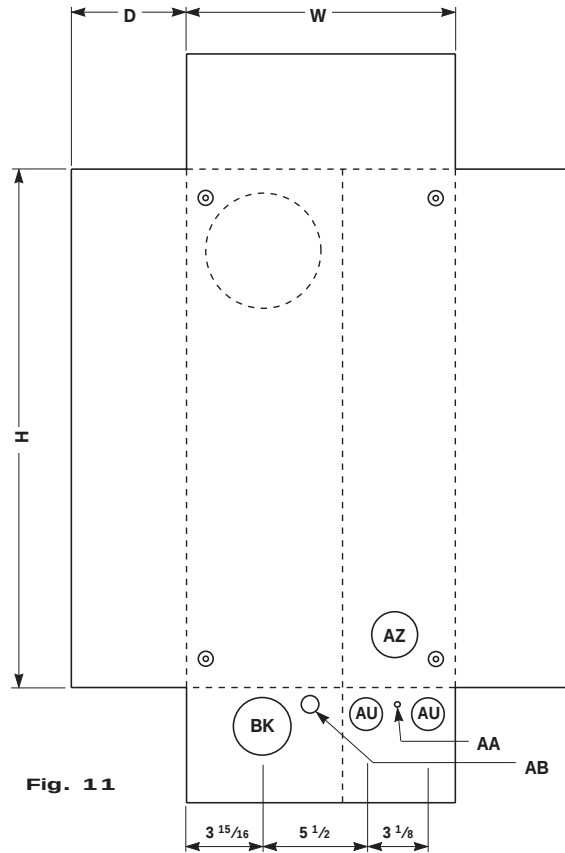
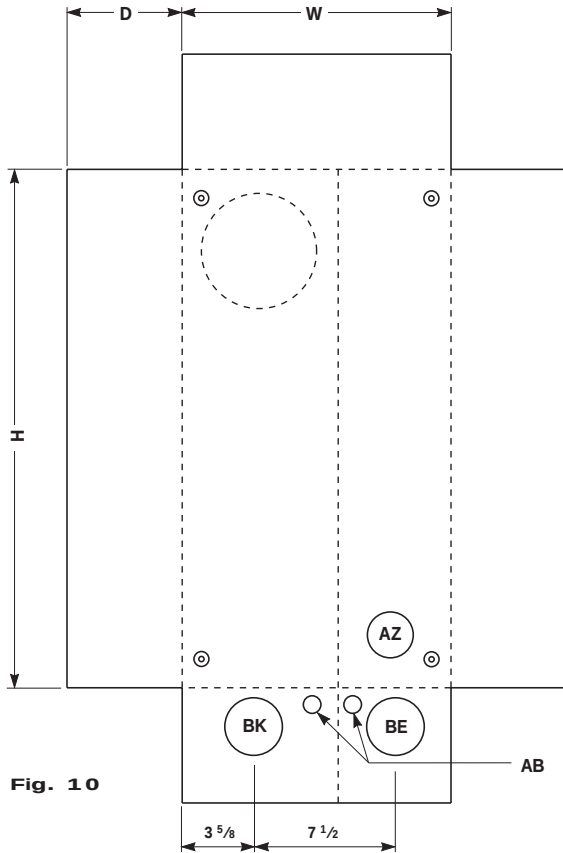


Fig. 9

Knockouts — Conduit Sizes

AB = 1/2"
 AP = 1 1/4" - 1" - 3/4" - 1/2"
 AU = 1 1/2" - 1 1/4" - 1" - 3/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB



Knockouts — Conduit Sizes

AA = 1/4"
 AB = 1/2"
 AU = 1 1/2" - 1 1/4" - 1" - 3/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BK = 3" - 2 1/2" - 2" - 1 1/2"

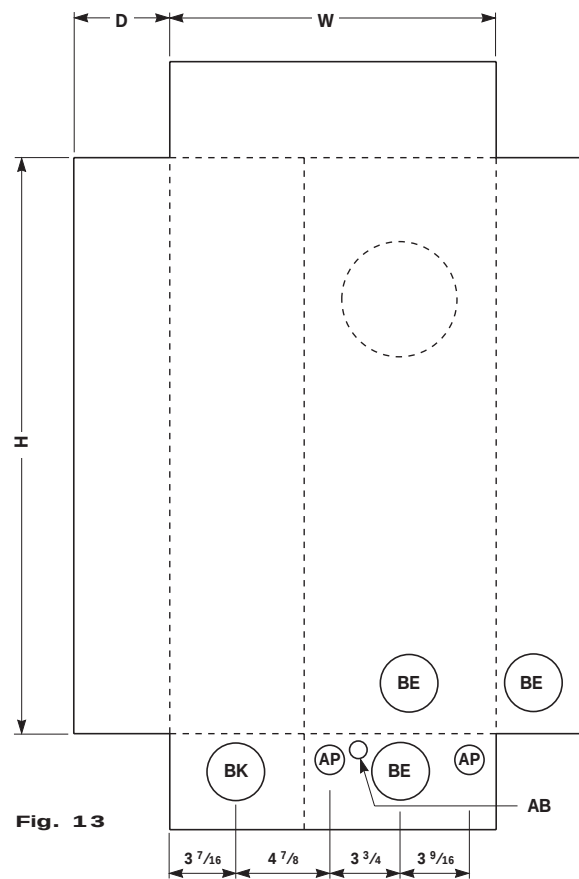


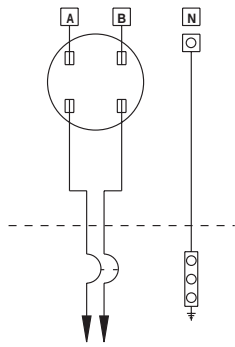
Fig. 13

Knockouts — Conduit Sizes

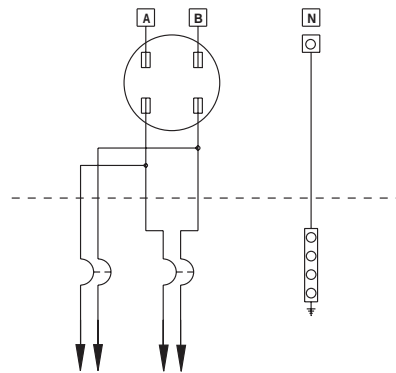
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 BE = $2\frac{1}{2}$ " - 2 " - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "
 BK = 3 " - $2\frac{1}{2}$ " - 2 " - $1\frac{1}{2}$ "

Breaker Data

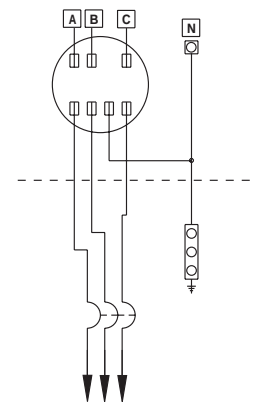
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U1M1R7	25460P	Q3100	100A	3P	10K
U2M2R	25508K	QJ22B200	200A	2P	10K
U2M25R	25508K	QJ22B200	200A	2P	10K
U2M11R	25458P	Q2100	100A	2P	10K
U2M2R7	25510K	QJ23B200	200A	3P	10K
U2M2RP	25508K	QJ22B200	200A	2P	10K
U2M211R	25508K	QJ22B200	200A	2P	10K



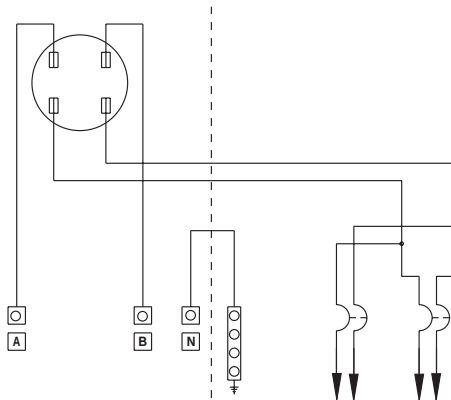
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Catalog #
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2M11R

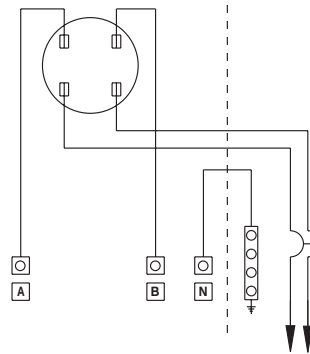


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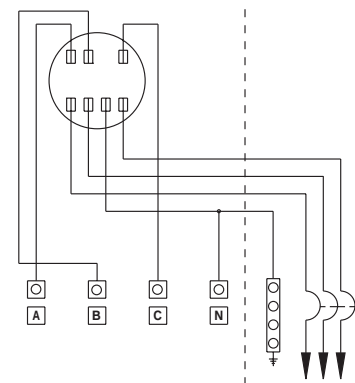


The sum of disconnects ampere rating cannot exceed 125% of the continuous ampere rating of the socket.

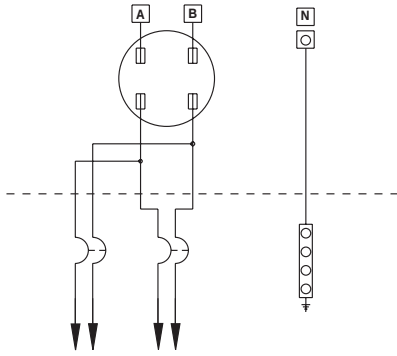
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Catalog #
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U2M2R

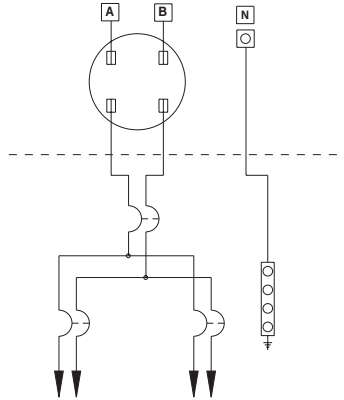


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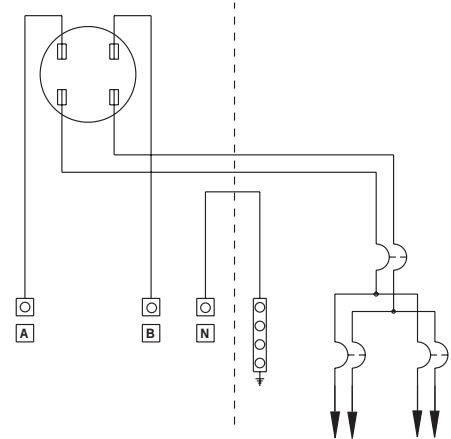


The sum of disconnects ampere rating cannot exceed 125% of the continuous ampere rating of the socket.

Catalog #
2M11RF
2M11R



Catalog #
2M211RF
2M211R

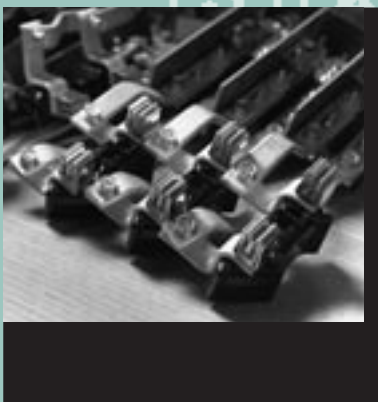


Catalog #
U2M211RF
U2M211R

COOPER B-Line



TEST BLOCK BYPASS METERING



214 MTB

B-Line



Test Block Bypass **TB Series**

100 Amp / 600 Volt Socket Only / Self-Contained



114TB

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead/underground feed
- Surface mount
- Top or bottom load exit

CONSTRUCTION

- Type 3R construction
- Safety socket with factory installed test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – 114TB only
- Provisions for 2 AW base caps or hub kits on top
- Padlock provision
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead / Underground–Surface Mount

CATALOG NUMBER	AIC RATING	BRANCH CIRCUITS	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
114TB	†	NONE	125	100	600	1Ø 3W	4	AW	14 AWG - 2/0 AWG	14 AWG - 1/0 AWG	Fig. 1	24	12	4 5/8
115TB	†	NONE	125	100	600	3Ø 3W	5	AW	14 AWG - 2/0 AWG	14 AWG - 1/0 AWG	Fig. 1	24	12	4 5/8
117TB	†	NONE	125	100	600	3Ø 4W	7	AW	14 AWG - 2/0 AWG	14 AWG - 1/0 AWG	Fig. 1	24	12	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

† = Meter sockets on this page have certain short circuit current ratings when used in conjunction with the tables on page 68

Note: For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.

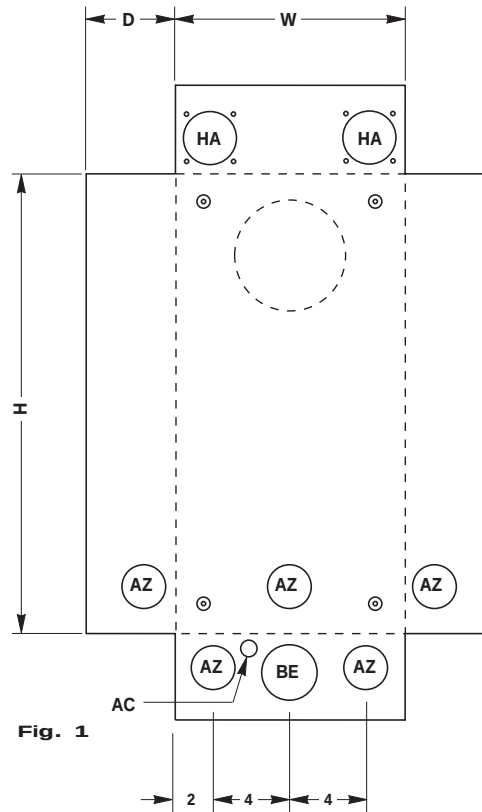


Fig. 1

Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 AZ = 2" - $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1"
 BE = $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "
 HA = AW HUB

Test Block Bypass MTB Series

100 Amp / 10K AIC / 240 Volt Self-Contained Meter-Main



214MTB



U214MTB

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTB only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTB	(1) 100A 2P CB	NONE	10K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
215MTB	(1) 100A 3P CB	NONE	10K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
217MTB	(1) 100A 3P CB	NONE	10K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8

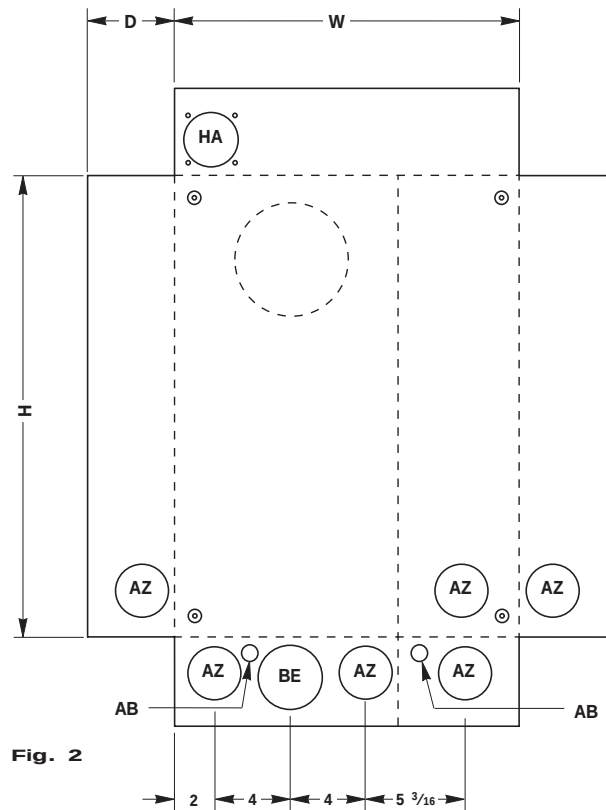
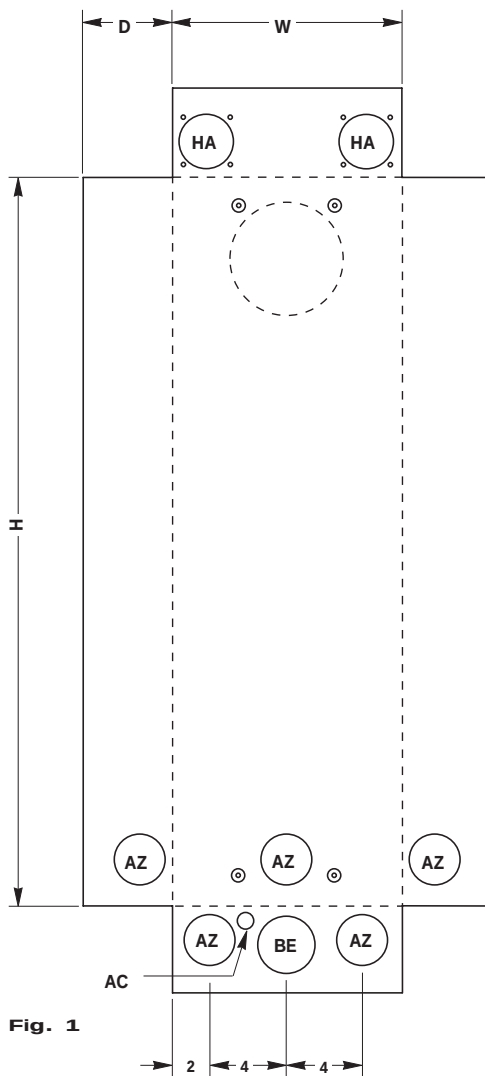
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTB	(1) 100A 2P CB	NONE	10K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U215MTB	(1) 100A 3P CB	NONE	10K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U217MTB	(1) 100A 3P CB	NONE	10K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.

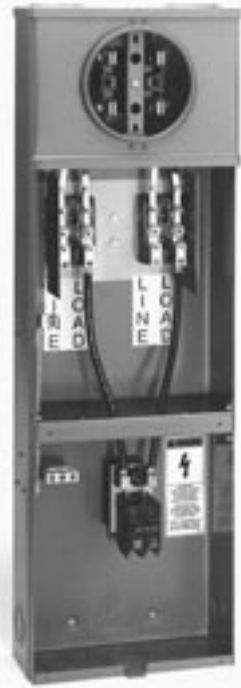


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Test Block Bypass MTBMS84 Series - Vandal Proof Cover

100 Amp / 10K AIC / 240 Volt Self-Contained Meter-Main



214MTBMS84



U214MTBMS84

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp breaker and test/bypass facilities¹
- Main breaker protected by padlockable steel cover
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBHMS84 only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBMS84	(1) 100A 2P CB	NONE	10K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
215MTBMS84	(1) 100A 3P CB	NONE	10K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
217MTBMS84	(1) 100A 3P CB	NONE	10K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8

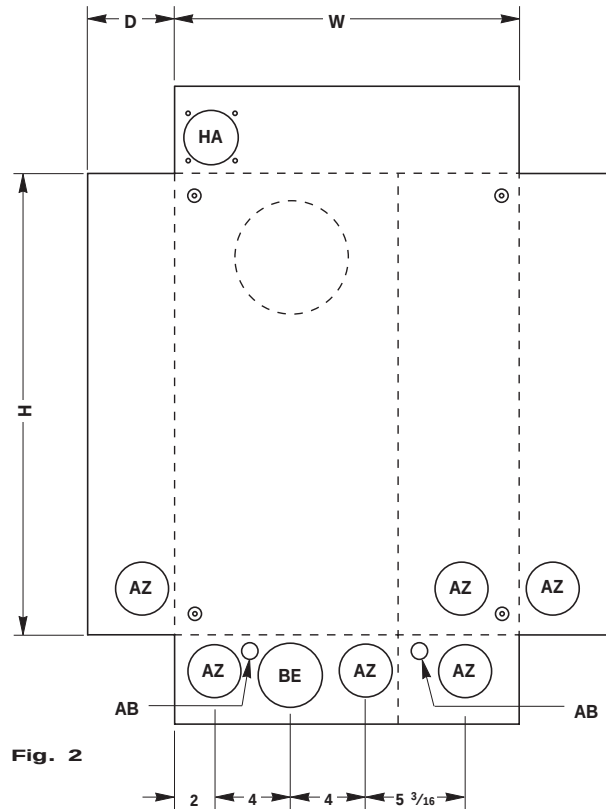
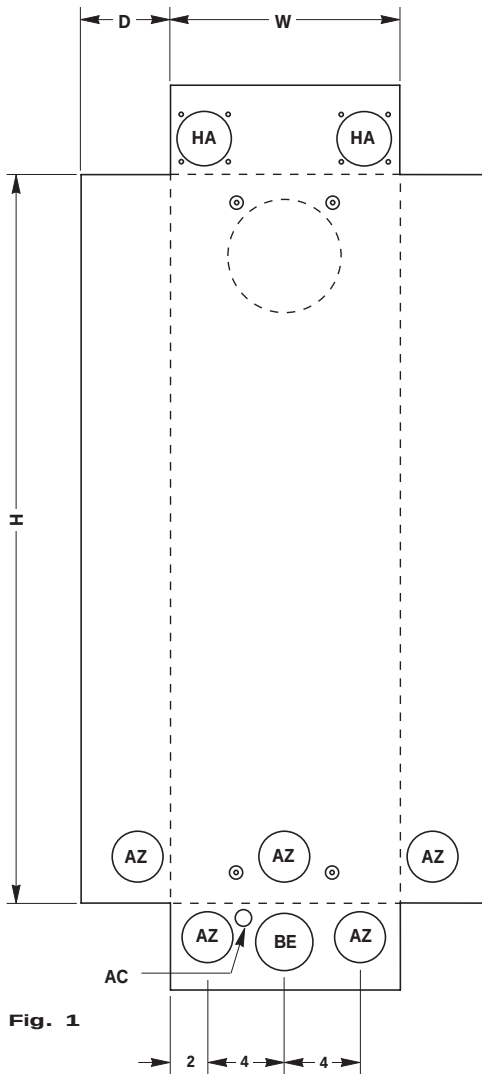
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBMS84	(1) 100A 2P CB	NONE	10K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U215MTBMS84	(1) 100A 3P CB	NONE	10K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U217MTBMS84	(1) 100A 3P CB	NONE	10K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

$AB = \frac{1}{2}"$
 $AC = \frac{1}{2}" - \frac{1}{4}"$
 $AZ = 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}" - 1"$
 $BE = 2 \frac{1}{2}" - 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}"$
 $HA = AW \text{ HUB}$

Test Block Bypass MTBHMS45 Series

100 Amp / 22K AIC / 240 Volt Self-Contained Meter-Main



214MTBHMS45



U214MTBHMS45

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBHMS45 only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBHMS45	(1) 100A 2P CB	NONE	22K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
215MTBHMS45	(1) 100A 3P CB	NONE	22K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
217MTBHMS45	(1) 100A 3P CB	NONE	22K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8

Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBHMS45	(1) 100A 2P CB	NONE	22K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U215MTBHMS45	(1) 100A 3P CB	NONE	22K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U217MTBHMS45	(1) 100A 3P CB	NONE	22K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.

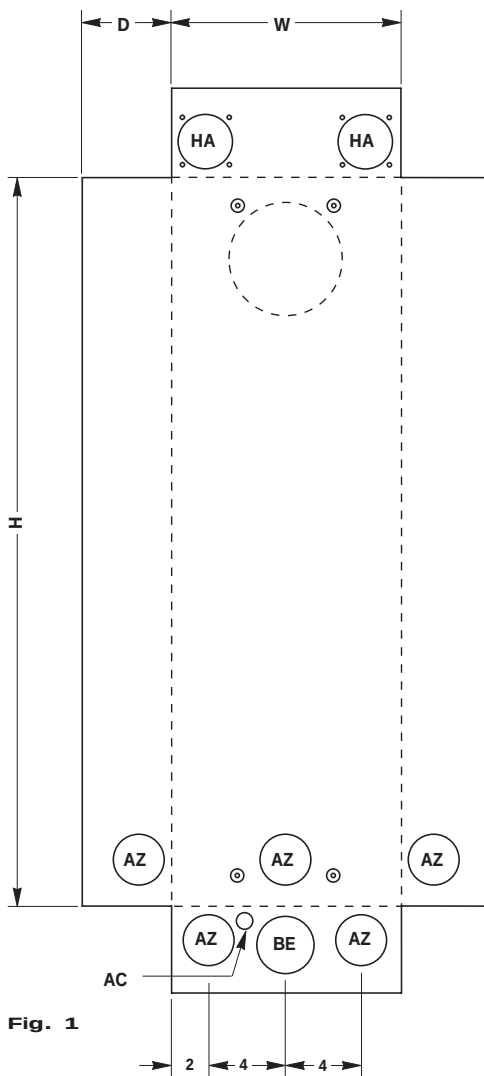


Fig. 1

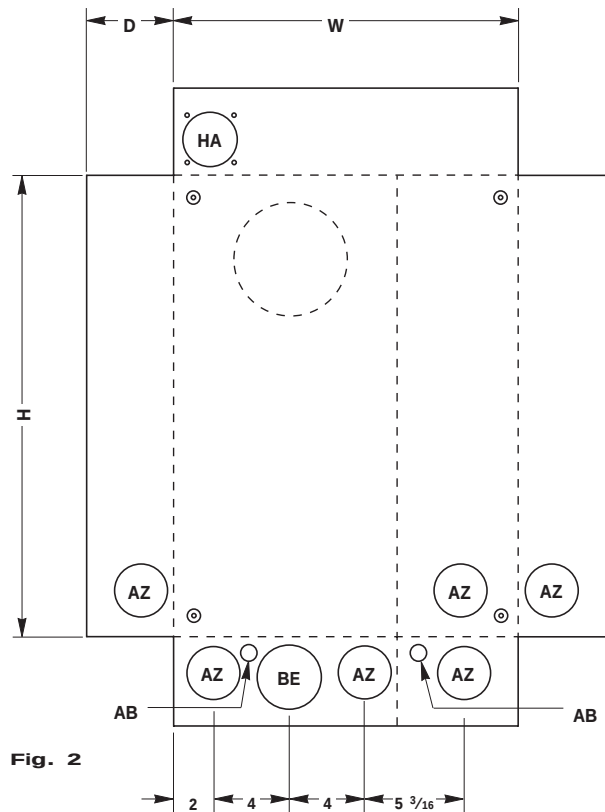


Fig. 2

Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Test Block Bypass **MTBH Series**

100 Amp / 65K AIC / 240 Volt Self-Contained Meter-Main



214MTBH



U214MTBH

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBH only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBH	(1) 100A 2P CB	NONE	65K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 1	38	12	4 5/8
215MTBH	(1) 100A 3P CB	NONE	65K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 1	38	12	4 5/8
217MTBH	(1) 100A 3P CB	NONE	65K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 2/0 AWG	Fig. 1	38	12	4 5/8

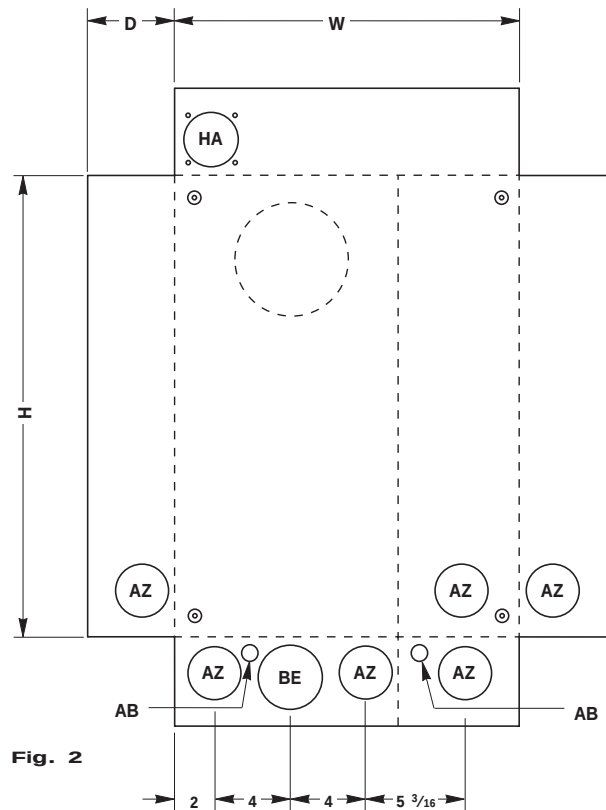
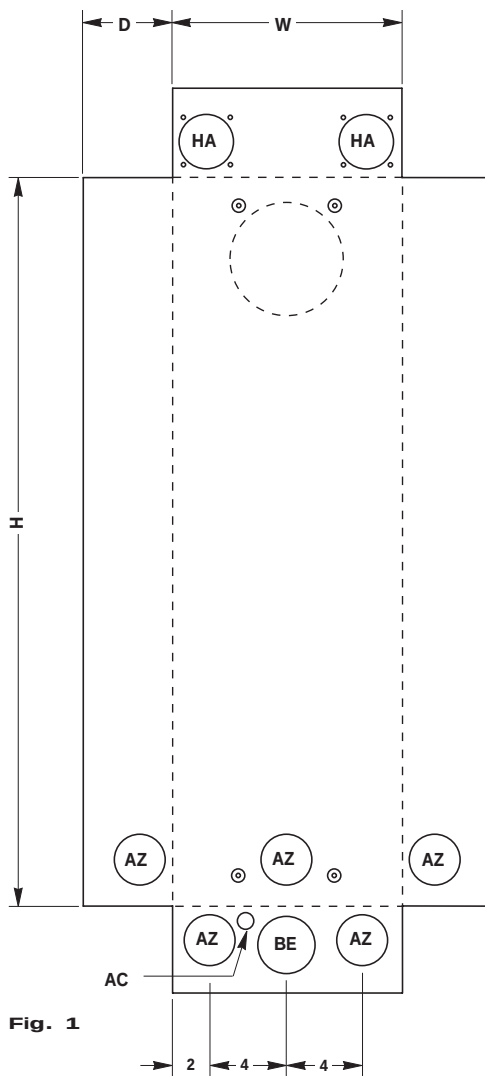
Overhead / Underground–Flush Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBH	(1) 100A 2P CB	NONE	65K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U215MTBH	(1) 100A 3P CB	NONE	65K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U217MTBH	(1) 100A 3P CB	NONE	65K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Test Block Bypass **MTBP Series**

100 Amp / 200K AIC / 240 Volt Self-Contained Meter-Main



214 MTBP



U214 MTBP

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp fusible pullout and test/bypass facilities¹
- “T” fuses are included
- Snap type sealing ring included
- 5th jaw provision at nine o’clock – U/214MTBP only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBP	(1) 100A 2P pullout	NONE	200K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 1	38	12	4 ½
215MTBP	(1) 100A 3P pullout	NONE	200K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 1	38	12	4 ½
217MTBP	(1) 100A 3P pullout	NONE	200K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 1	38	12	4 ½

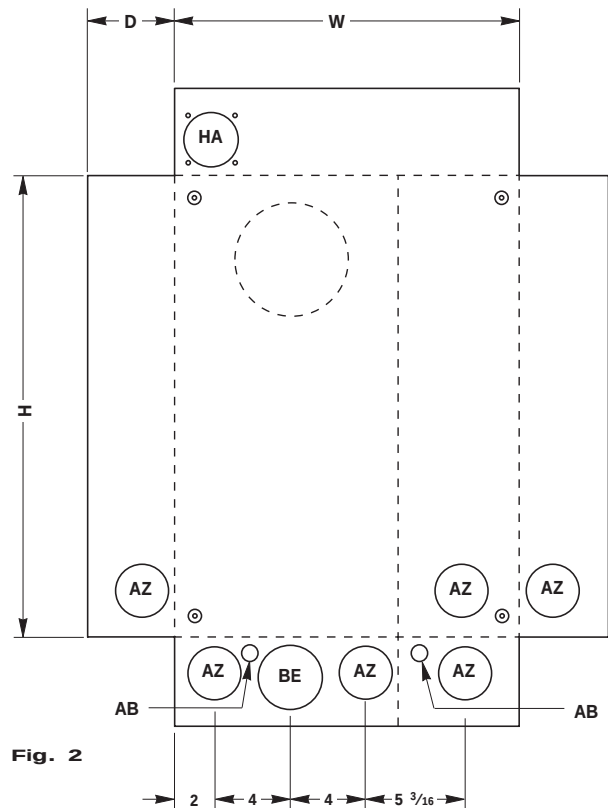
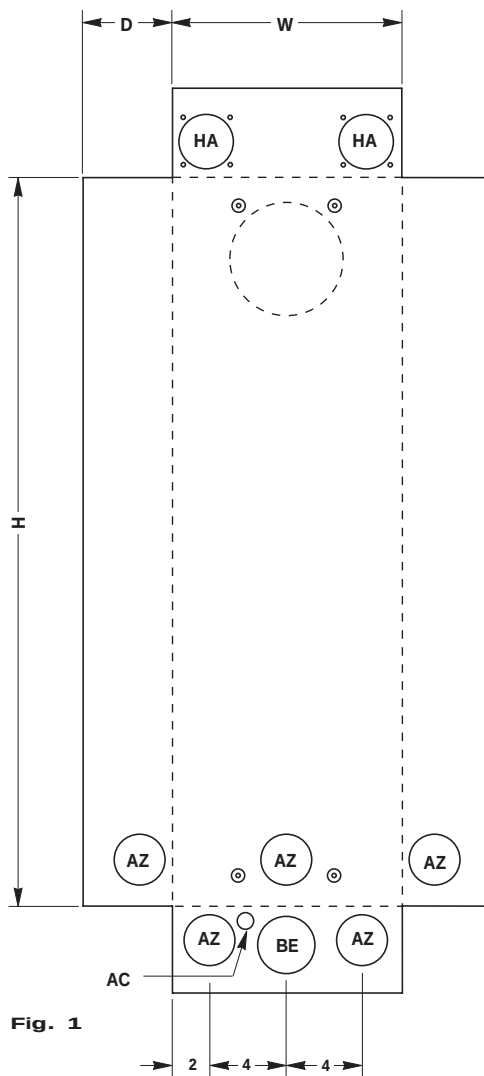
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROVISIONS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBP	(1) 100A 2P pullout	NONE	200K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	18	4 ½
U215MTBP	(1) 100A 3P pullout	NONE	200K	100 100	240*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	18	4 ½
U217MTBP	(1) 100A 3P pullout	NONE	200K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	18	4 ½

¹ = 60-in. lbs torque recommended for circuit-closing nut

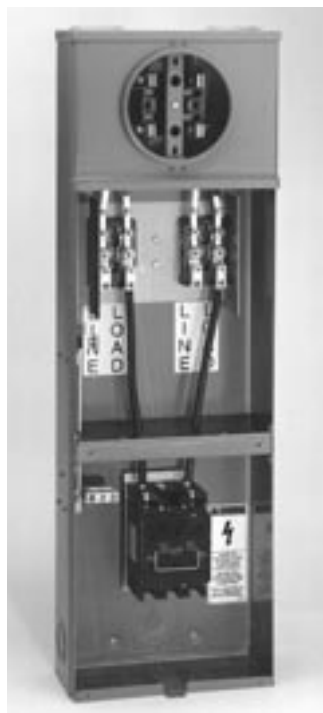
* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.



Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB


214MTBMS15

U214MTBMS15
APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBMS15 only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBMS15	(1) 100A 2P CB	NONE	10K	100 100	240/480	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
215MTBMS15	(1) 100A 3P CB	NONE	10K	100 100	480	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
217MTBMS15	(1) 100A 3P CB	NONE	10K	100 100	480/277	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8

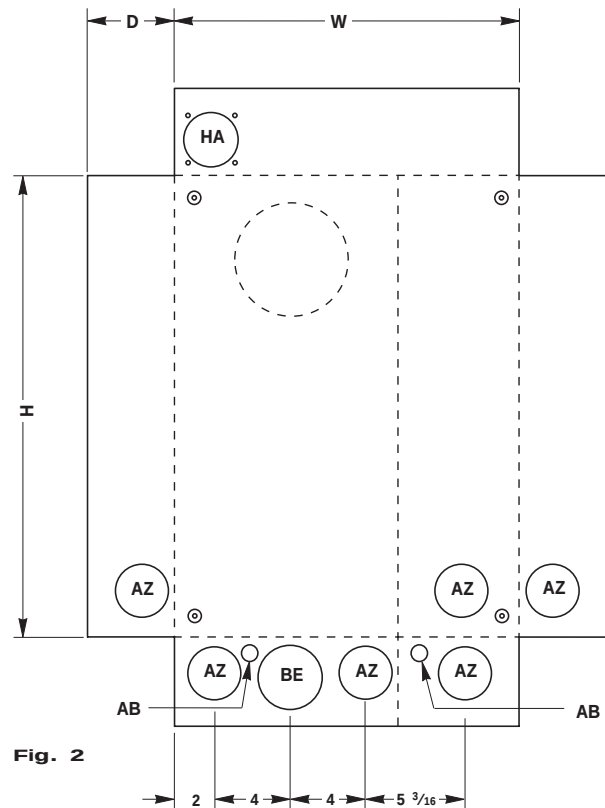
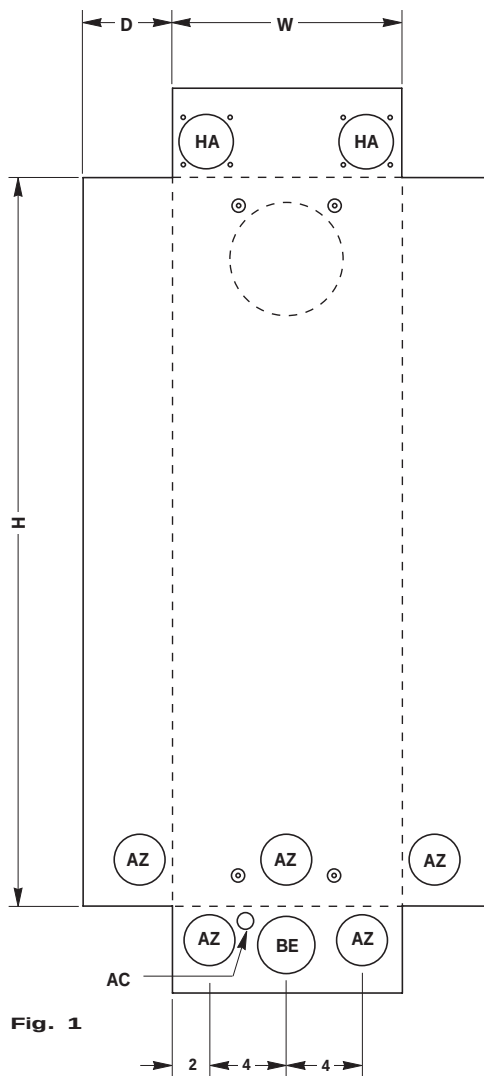
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBMS15	(1) 100A 2P CB	NONE	10K	100 100	240/480	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U215MTBMS15	(1) 100A 3P CB	NONE	10K	100 100	480	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U217MTBMS15	(1) 100A 3P CB	NONE	10K	100 100	480/277	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Test Block Bypass MTBHMS15 Series

100 Amp / 42K AIC / 480 Volt Self-Contained Meter-Main



214MTBHMS15



U214MTBHMS15

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main-safety socket with factory installed 100amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBHMS15 only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead-Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBHMS15	(1) 100A 2P CB	NONE	42K	100 100	240/480	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
215MTBHMS15	(1) 100A 3P CB	NONE	42K	100 100	480*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8
217MTBHMS15	(1) 100A 3P CB	NONE	42K	100 100	480/277	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	38	12	4 5/8

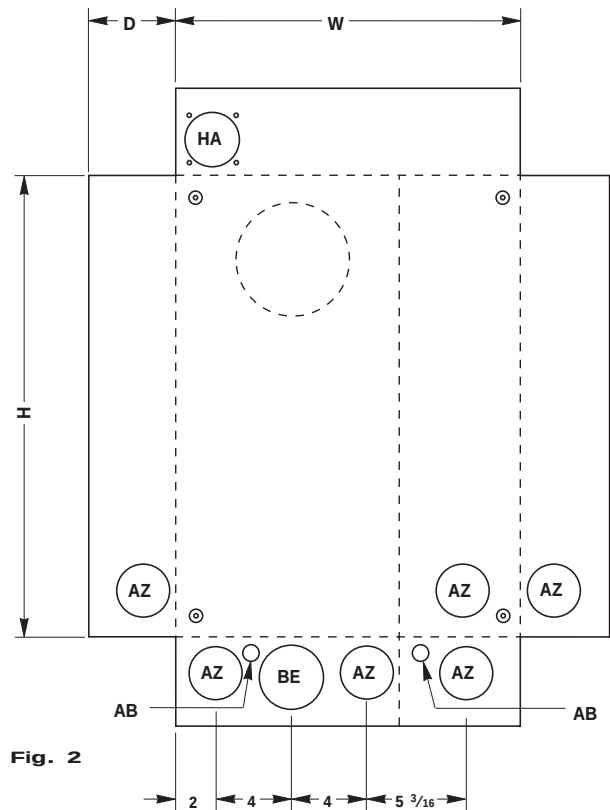
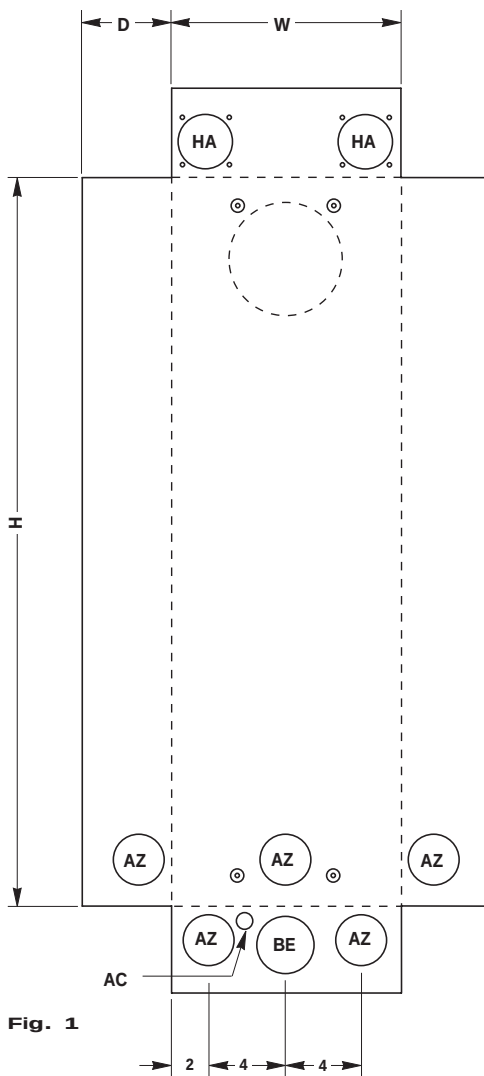
Overhead / Underground-Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBHMS15	(1) 100A 2P CB	NONE	42K	100 100	240/480	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U215MTBHMS15	(1) 100A 3P CB	NONE	42K	100 100	480*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8
U217MTBHMS15	(1) 100A 3P CB	NONE	42K	100 100	480/277	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	18	4 5/8

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 480/277V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Test Block Bypass **MTBPMS15 Series** 100 Amp / 200K AIC / 480 Volt Self-Contained Meter-Main



214MTBPMS15



U214MTBPMS15

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 100amp fusible pullout and test/bypass facilities¹
- “T” fuses included
- Snap type sealing ring included
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style
- 5th jaw provision at nine o'clock - U215MTBPMS15 only

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
214MTBPMS15	(1) 100A 2P pullout	NONE	200K	100 100	240/480	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 1	38	12	4 ½
215MTBPMS15	(1) 100A 3P pullout	NONE	200K	100 100	480*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 1	38	12	4 ½
217MTBPMS15	(1) 100A 3P pullout	NONE	200K	100 100	480/277	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 1	38	12	4 ½

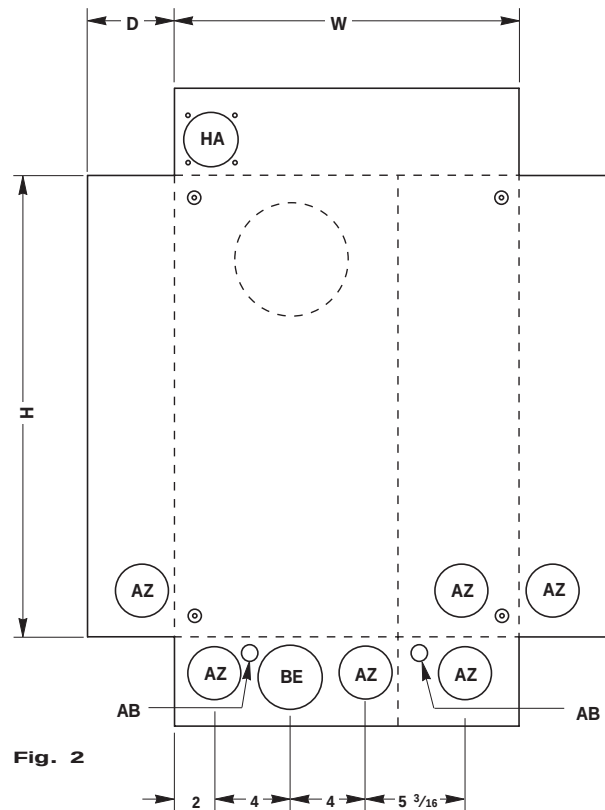
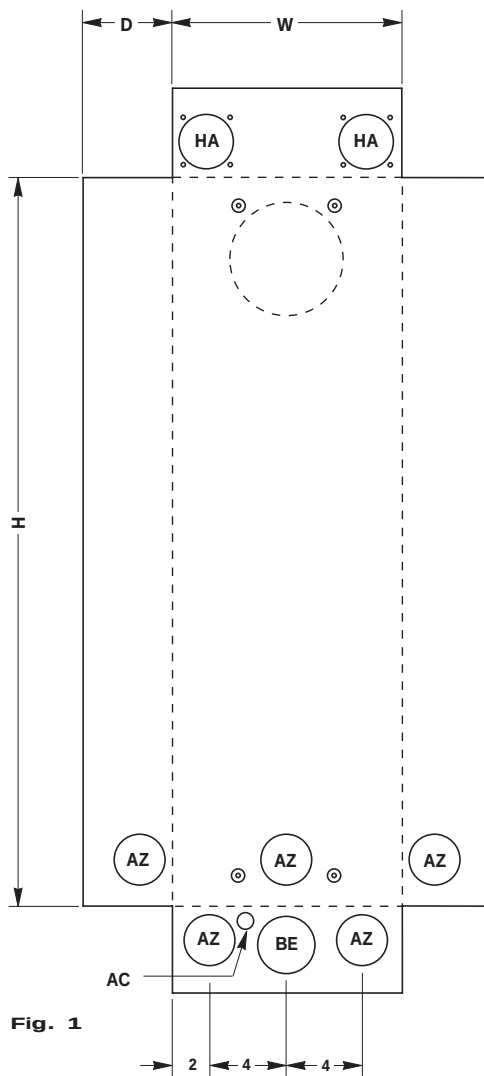
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBPMS15	(1) 100A 2P pullout	NONE	200K	100 100	240/480	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	18	4 ½
U215MTBPMS15	(1) 100A 3P pullout	NONE	200K	100 100	480*	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	18	4 ½
U217MTBPMS15	(1) 100A 3P pullout	NONE	200K	100 100	480/277	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	18	4 ½

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 480/277V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Test Block Bypass MTBL / MTBPL Series

100 Amp / 10K AIC / 240 Volt Self-Contained Meter-Main Load-Center



U214MTBL



U214MTBPL

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead/underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main-load center-safety socket with factory installed test/bypass facilities.¹ Main disconnecting device available as circuit breaker or fusible pullout ("T" fuses are included)
- Separate sealable utility compartment
- Padlock provision on load side hinged door
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBL only
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Ground bar kit — catalog #50011A
- Fifth jaw kit — catalog #50371
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Breaker filler plate #25319

Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U214MTBL	(1) 100A 2P CB	12/24	10K*	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 1	24	20	4 5/8
U215MTBL	(1) 100A 3P CB	18/36	10K*	100 100	240**	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	25	4 5/8
U217MTBL	(1) 100A 3P CB	18/36	10K*	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN CIRCUIT BREAKER	14 AWG - 1/0 AWG	Fig. 2	24	25	4 5/8
U214MTBPL	(1) 100A 2P pullout	12/24	100K	100 100	120/240	1Ø 3W	4	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	24	25	4 5/8
U215MTBPL	(1) 100A 3P pullout	18/36	100K	100 100	240**	3Ø 3W	5	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	28	25	4 5/8
U217MTBPL	(1) 100A 3P pullout	18/36	100K	100 100	208/120 & 240/120	3Ø 4W	7	AW	14 AWG - 2/0 AWG	MAIN PULLOUT	14 AWG - 1/0 AWG	Fig. 2	28	25	4 5/8

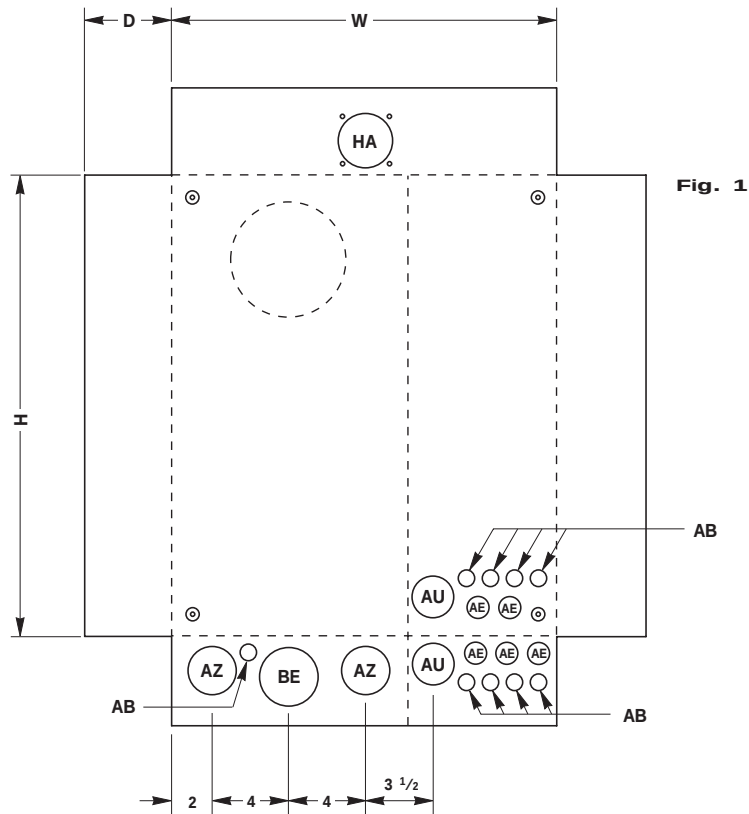
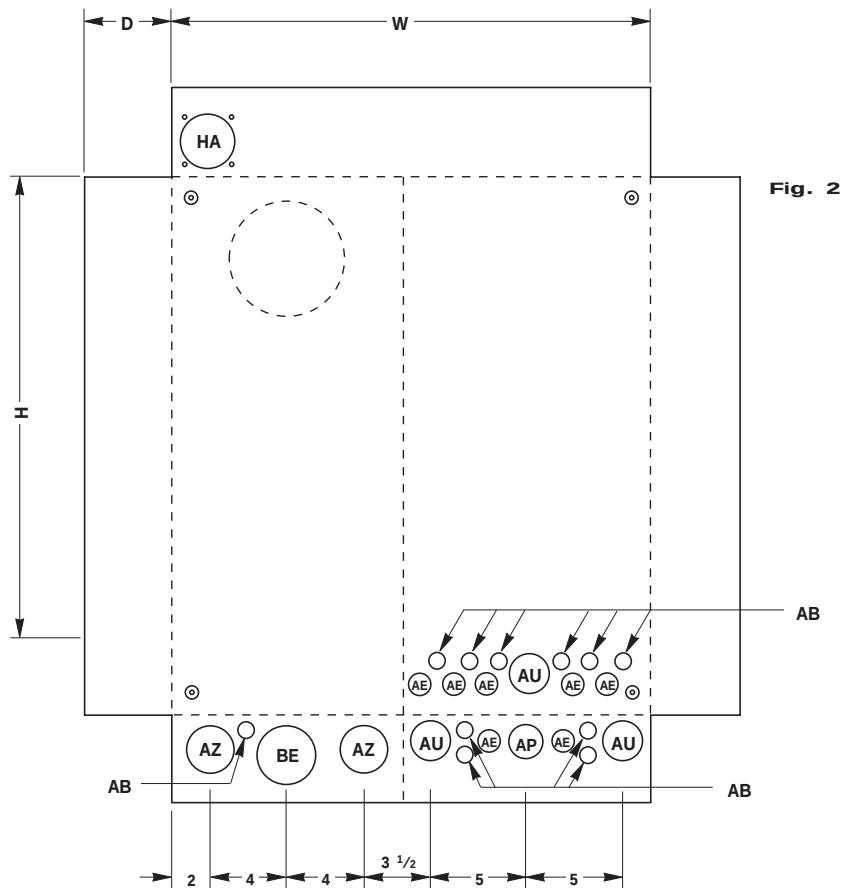
¹ = 60-in. lbs torque recommended for circuit-closing nut

* Available in 22K and 65K on request

** For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

Note: For branch circuits, order type "QP" breaker 15amp-100amp

For Safety Socket Bypass instructions see page 74.


Fig. 1

Fig. 2
Knockouts — Conduit Sizes

$AB = \frac{1}{2}"$
 $AE = \frac{3}{4}" - \frac{1}{2}"$
 $AP = 1 \frac{1}{4}" - 1" - \frac{3}{4}" - \frac{1}{2}"$
 $AU = 1 \frac{1}{2}" - 1 \frac{1}{4}" - 1" - \frac{3}{4}"$
 $AZ = 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}" - 1"$
 $BE = 2 \frac{1}{2}" - 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}"$
 $HA = AW \text{ HUB}$

Test Block Bypass TB Series

200 Amp / 600 Volt Self-Contained Socket Only



124TB

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead/underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Safety socket with factory installed test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – 124TB only
- Provisions for 2 AW base caps or hub kits on top
- Padlock provision
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead or Underground–Surface Mount

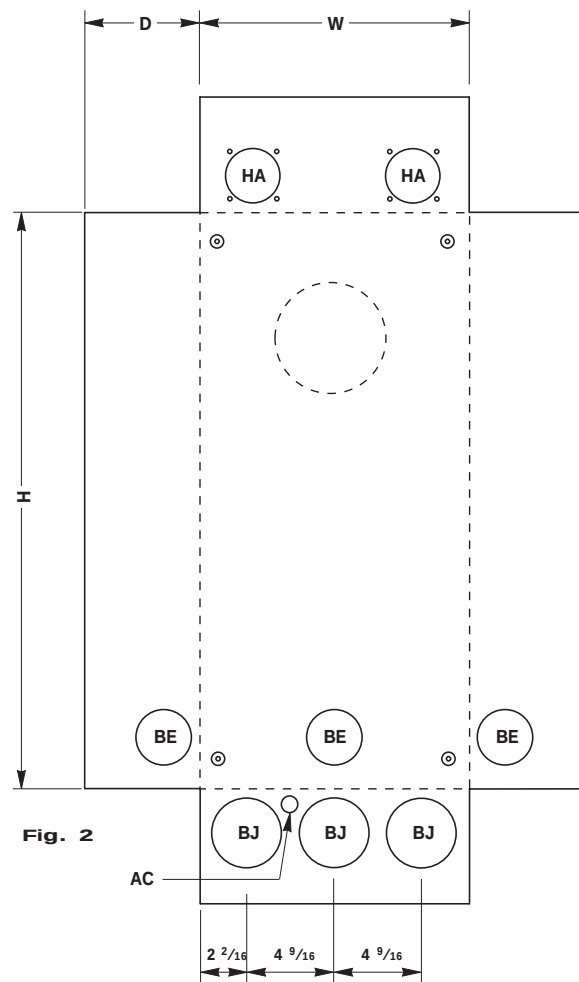
CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE CONDUCTOR LINE/LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
124TB	NONE	NONE	†	-- 200	600	1Ø 3W	4	AW	6 AWG - 250 kcmil		6 AWG - 1/0 AWG	Fig. 1	30	14	6
125TB	NONE	NONE	†	-- 200	600	3Ø 3W	5	AW	6 AWG - 250 kcmil		6 AWG - 1/0 AWG	Fig. 1	30	14	6
127TB	NONE	NONE	†	-- 200	600	3Ø 4W	7	AW	6 AWG - 250 kcmil		6 AWG - 1/0 AWG	Fig. 1	30	14	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 68

Note: For 208/120V, 1Ø 3W systems, order 4 jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " – $\frac{1}{4}$ "
 BE = $2 \frac{1}{2}$ " – 2" – $1 \frac{1}{2}$ " – $1 \frac{1}{4}$ "
 BJ = 3" – $2 \frac{1}{2}$ " – 2"
 HA = AW HUB

Test Block Bypass MTB Series

200 Amp / 10K AIC / 240 Volt Self-Contained Meter-Main



224MTB



U224MTB

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 200amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/224MTB only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

Overhead—Surface Mount									CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTB	(1) 200A 2P CB	NONE	10K	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6
225MTB	(1) 200A 3P CB	NONE	10K	200	--	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6
227MTB	(1) 200A 3P CB	NONE	10K	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6

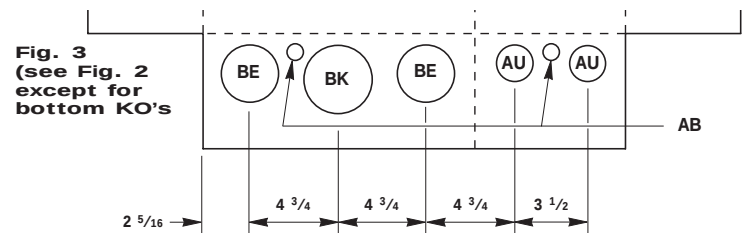
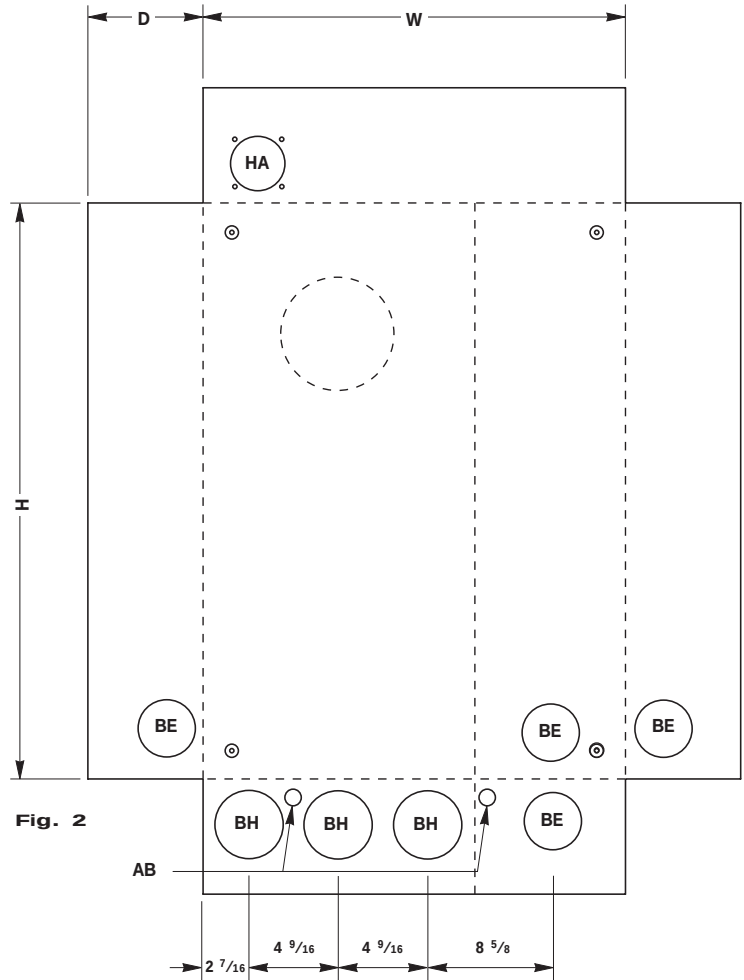
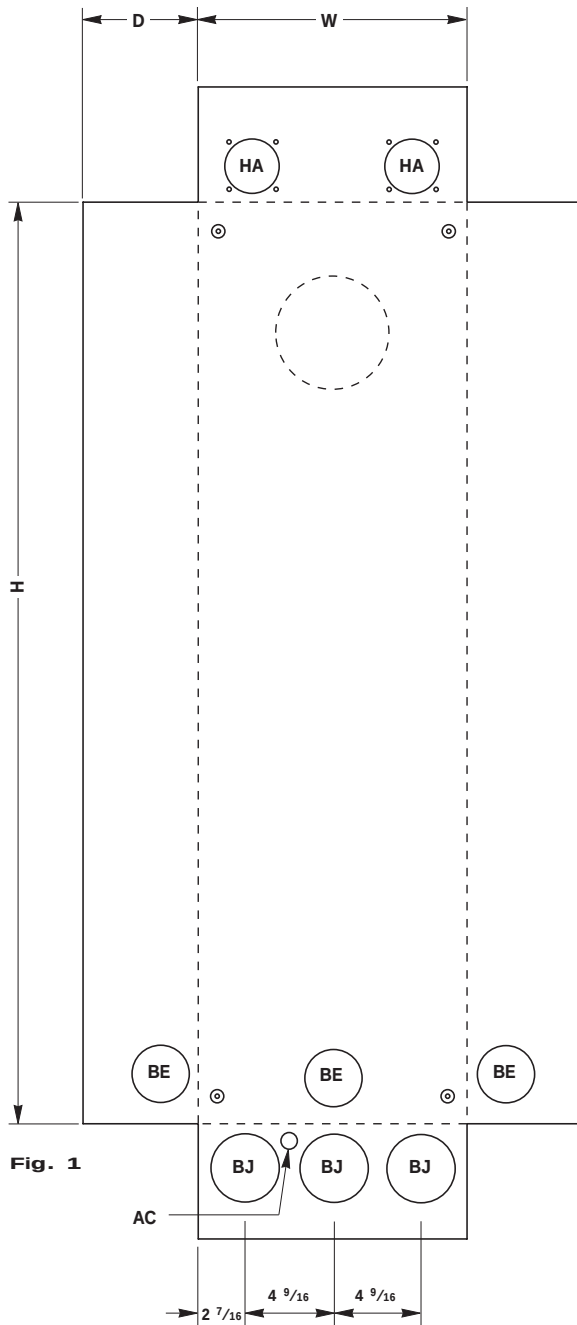
Overhead / Underground–Surface Mount

Overhead / Underground—Surface Mount										CONDUCTOR LUG RANGE			DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
U224MTB	(1) 200A 2P CB	NONE	10K	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U225MTB	(1) 200A 3P CB	NONE	10K	200	--	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U227MTB	(1) 200A 3P CB	NONE	10K	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U224M11TB	(2) 100A 2P CB	NONE	10K	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 3	30	22	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = $\frac{1}{2}$ "
 AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1" - $\frac{3}{4}$ "
 BE = $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "
 BH = 3" - $2\frac{1}{2}$ "
 BJ = 3" - $2\frac{1}{2}$ " - 2"
 BK = 3" - $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ "
 HA = AW HUB

Test Block Bypass **MTBMS84 Series**

200 Amp / 10K AIC 240 Volt Self-Contained Socket Only



224MTBMS84



U224MTBMS84

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main-safety socket with factory installed 200amp breaker and test/bypass facilities¹
- Main breaker protected by padlockable steel cover
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/214MTBMS84 only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead-Surface Mount

Overhead—Surface Mount									CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTBMS84	(1) 200A 2P CB	NONE	10K	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6
225MTBMS84	(1) 200A 3P CB	NONE	10K	200	--	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6
227MTBMS84	(1) 200A 3P CB	NONE	10K	200	--	240/120 & 208/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6

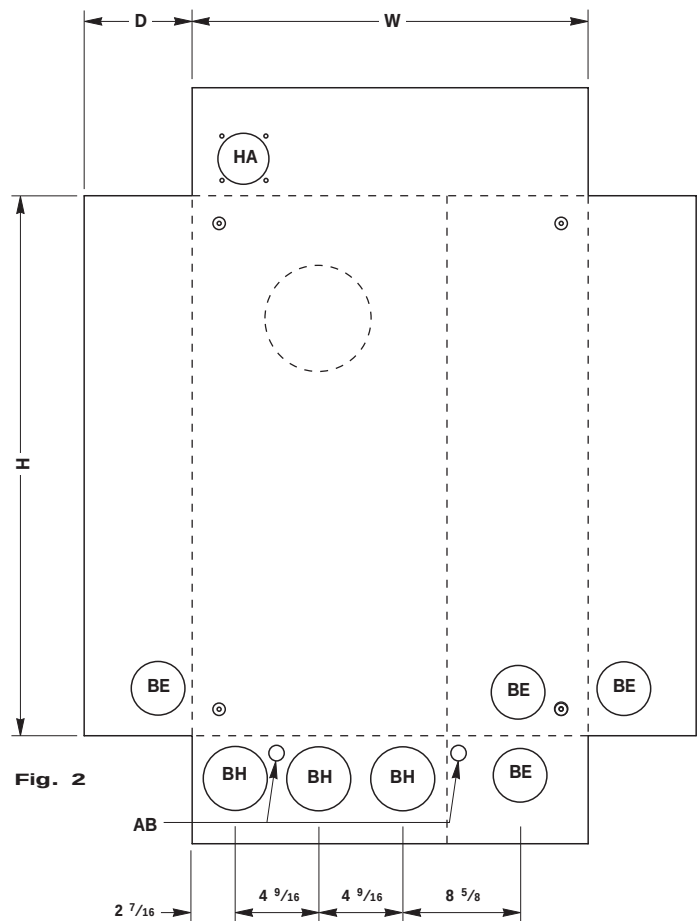
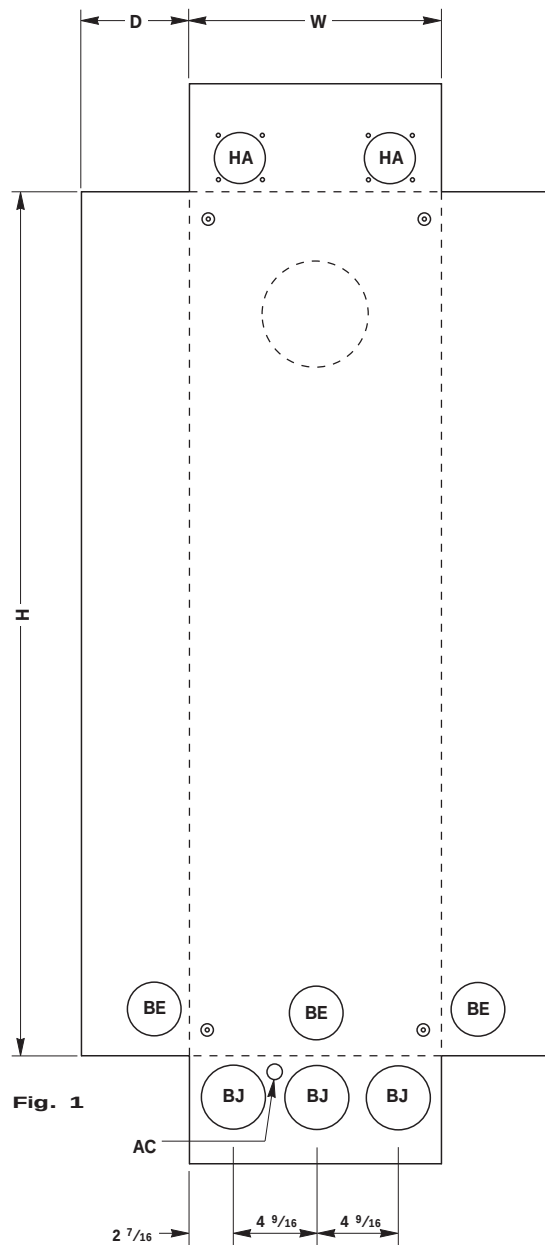
Overhead / Underground-Surface Mount

Overhead / Underground—Surface Mount									CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE CONDUCTOR		NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
										LINE	LOAD					
U224MTBMS84	(1) 200A 2P CB	NONE	10K	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U225MTBMS84	(1) 200A 3P CB	NONE	10K	200	--	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U227MTBMS84	(1) 200A 3P CB	NONE	10K	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HA = AW HUB

Test Block Bypass MTBHMS45 Series 200 Amp / 22K AIC / 240 Volt Self-Contained Meter-Main



224MTBHMS45



U224MTBHMS45

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main – safety socket with factory installed 200 amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/224MTBHMS45 only
- Provisions for 2 AW base caps or hub kits on top - overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTBHMS45	(1) 200A 2P CB	NONE	22K	200 --	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6
225MTBHMS45	(1) 200A 3P CB	NONE	22K	200 --	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6
227MTBHMS45	(1) 200A 3P CB	NONE	22K	200 --	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	48	14	6

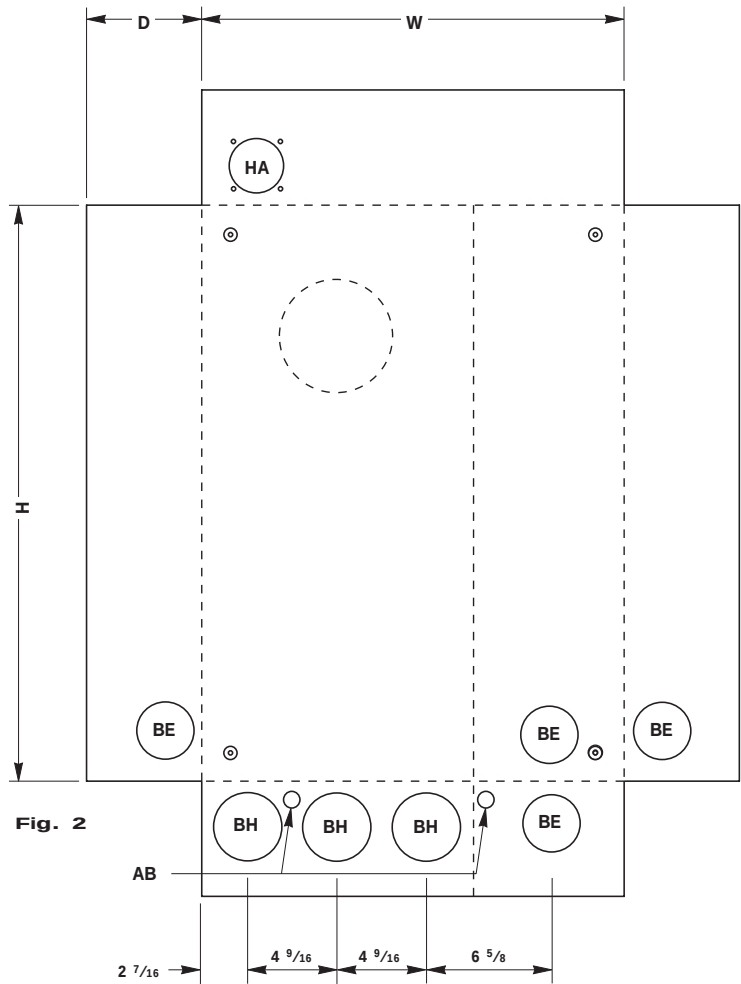
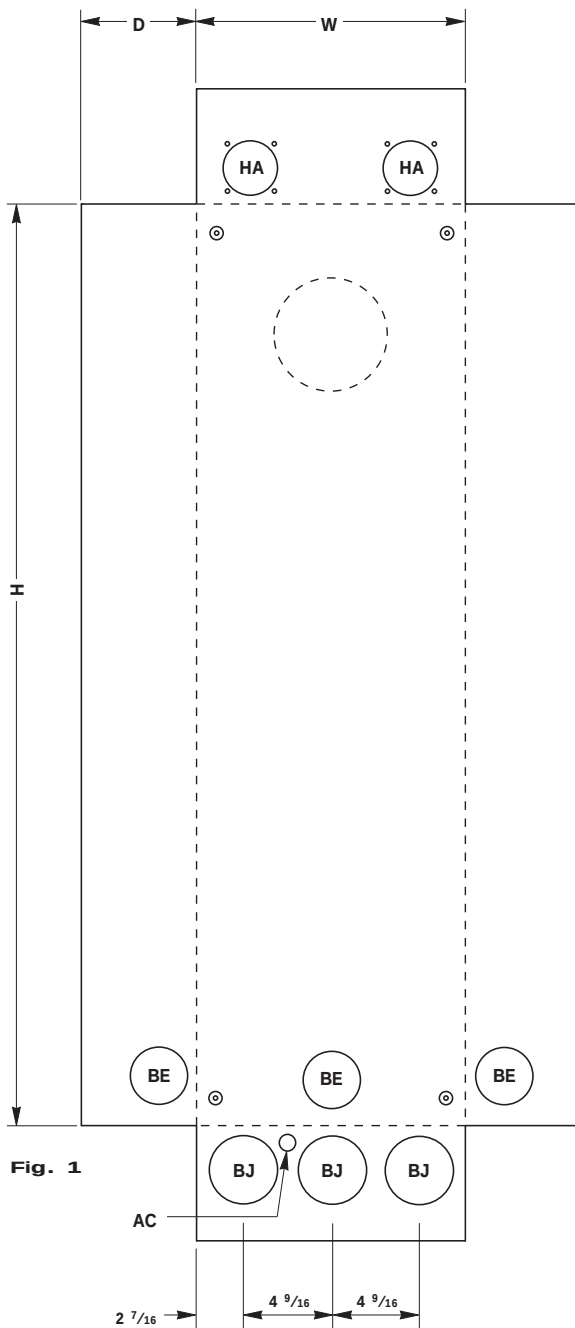
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U224MTBHMS45	(1) 200A 2P CB	NONE	22K	200 --	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U225MTBHMS45	(1) 200A 3P CB	NONE	22K	200 --	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6
U227MTBHMS45	(1) 200A 3P CB	NONE	22K	200 --	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	30	22	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HA = AW HUB

Test Block Bypass **MTBH Series**

200 Amp / 42K AIC / 240 Volt Self-Contained Meter-Main



224MTBH



U224MTBH

APPLICATION

- Single meter position
- to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 200amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/224MTBH only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTBH	(1) 200A 2P CB	NONE	42K	200	--	1Ø 3W	4	AW	6 AWG - 250kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250kcmil	Fig. 1	48	14	6
225MTBH	(1) 200A 3P CB	NONE	42K	200	--	240*	3Ø 3W	5	AW	6 AWG - 250kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250kcmil	Fig. 1	48	14	6
227MTBH	(1) 200A 3P CB	NONE	42K	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250kcmil	Fig. 1	48	14	6

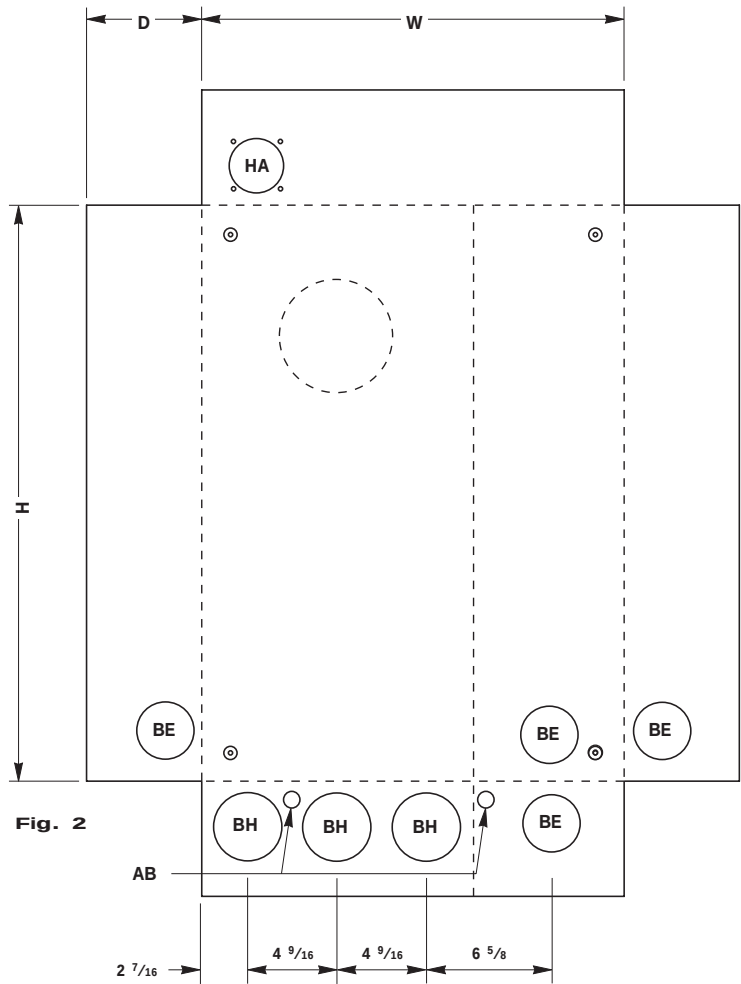
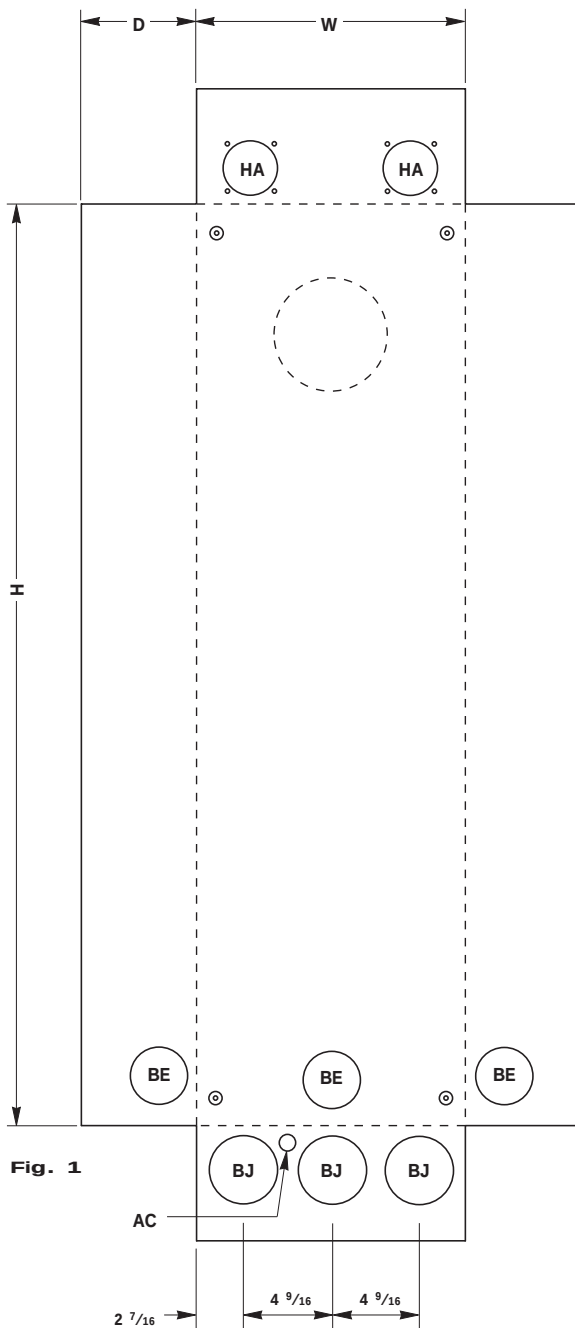
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
U224MTBH	(1) 200A 2P CB	NONE	42K	200	--	1Ø 3W	4	AW	6 AWG - 250kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250kcmil	Fig. 2	30	22	6
U225MTBH	(1) 200A 3P CB	NONE	42K	200	--	240*	3Ø 3W	5	AW	6 AWG - 250kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250kcmil	Fig. 2	30	22	6
U227MTBH	(1) 200A 3P CB	NONE	42K	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250kcmil	Fig. 2	30	22	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HA = AW HUB

Test Block Bypass MTBHMS15 Series

200 Amp / 22K AIC / 480 Volt Self-Contained Meter-Main



224MTBHMS15



U224MTBHMS15

APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 200amp breaker and test/bypass facilities¹
- Snap type sealing ring included
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style
- 5th jaw provision at nine o'clock - U224MTBHMS15 only

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTBHMS15	(1) 200A 2P CB	NONE	22K	200 --	240/480	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250 kcmil	Fig. 1	51	14	6
225MTBHMS15	(1) 200A 3P CB	NONE	22K	200 --	480*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250 kcmil	Fig. 1	51	14	6
227MTBHMS15	(1) 200A 3P CB	NONE	22K	200 --	480/277	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250 kcmil	Fig. 1	51	14	6

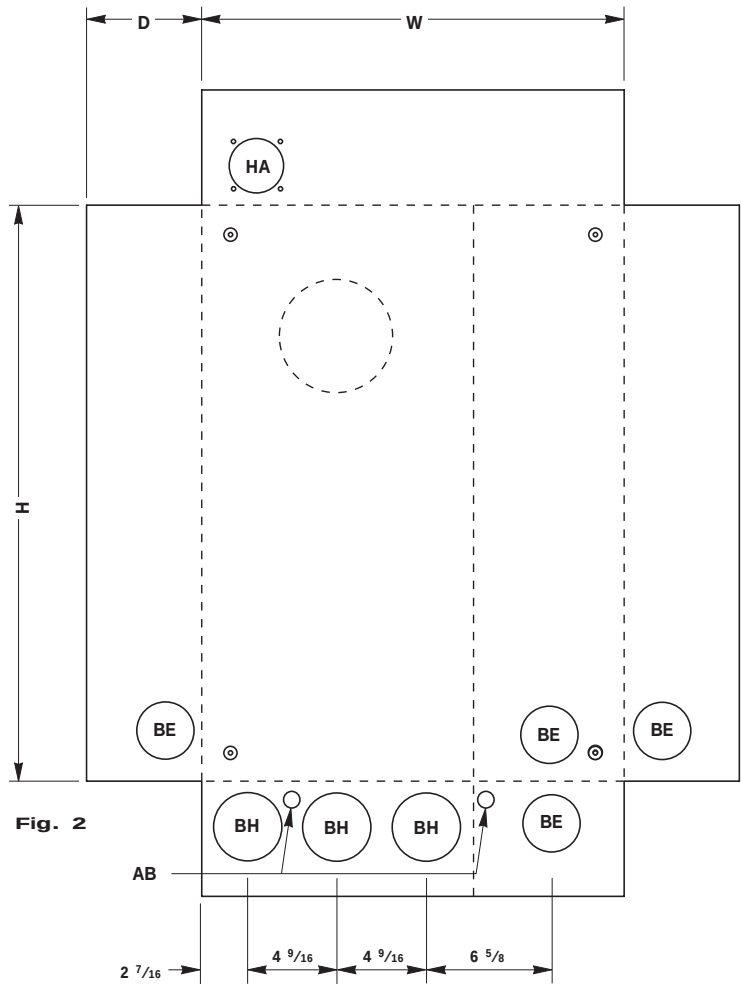
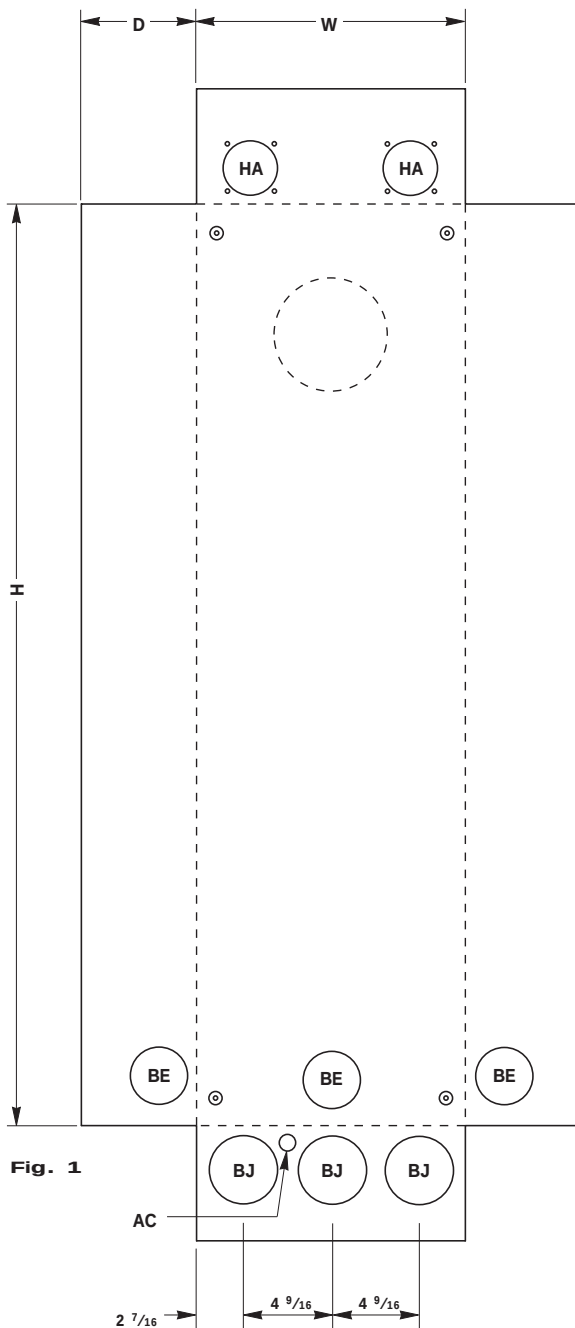
Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
U224MTBHMS15	(1) 200A 2P CB	NONE	22K	200 --	240/480	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250 kcmil	Fig. 2	30	22	6
U225MTBHMS15	(1) 200A 3P CB	NONE	22K	200 --	480*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250 kcmil	Fig. 2	30	22	6
U227MTBHMS15	(1) 200A 3P CB	NONE	22K	200 --	480/277	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER		6 AWG - 250 kcmil	Fig. 2	30	22	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HA = AW HUB

Test Block Bypass **MTBP Series**

200 Amp / 200K AIC / 240 Volt Self-Contained Meter-Main



224 MTBP



U224 MTBP

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main—safety socket with factory installed 200amp fusible pullout and test/bypass facilities¹
- “T” fuses included
- Snap type sealing ring included
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style
- 5th jaw provision at nine o'clock - U224MTBP only

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead—Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTBP	(1) 200A 2P pullout	NONE	200K	200 --	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN PULLOUT		6 AWG - 250 kcmil	Fig. 1	48	14	6
225MTBP	(1) 200A 3P pullout	NONE	200K	200 --	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN PULLOUT		6 AWG - 250 kcmil	Fig. 1	48	14	6
227MTBP	(1) 200A 3P pullout	NONE	200K	200 --	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN PULLOUT		6 AWG - 250 kcmil	Fig. 1	48	14	6

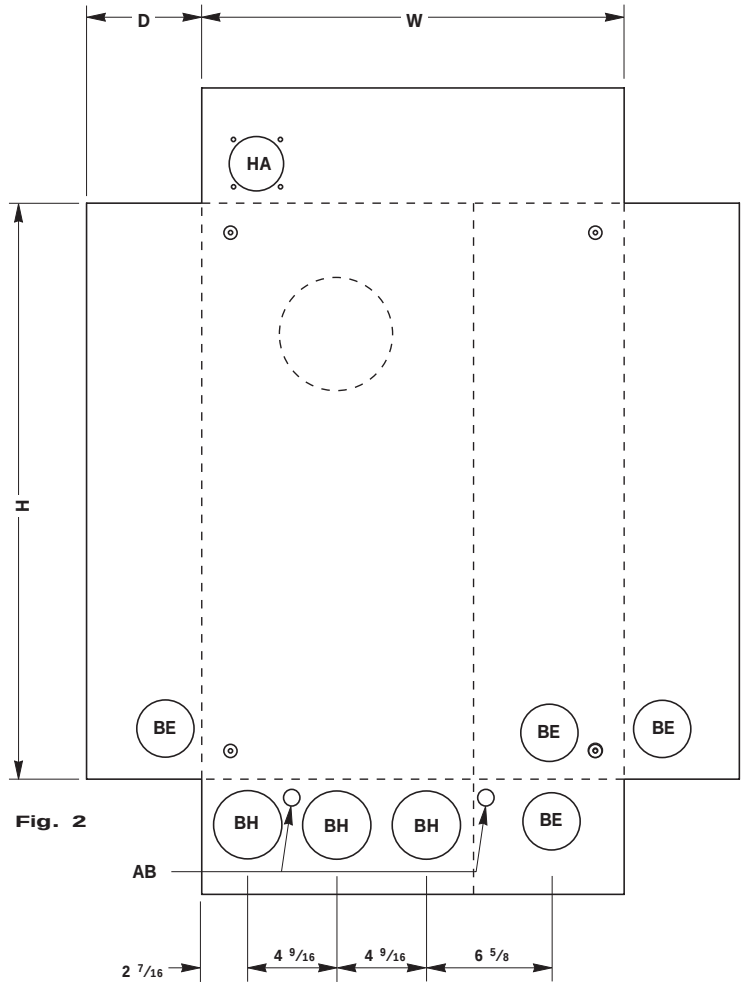
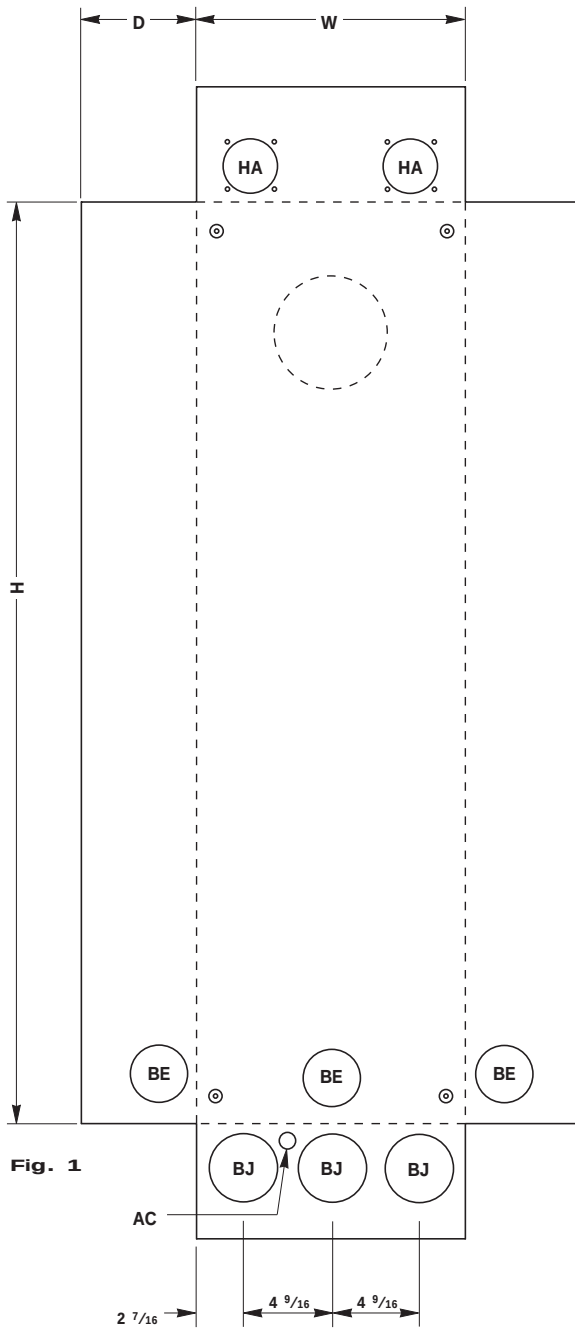
Overhead / Underground—Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
U224MTBP	(1) 200A 2P pullout	NONE	200K	200 --	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN PULLOUT		6 AWG - 250 kcmil	Fig. 2	30	22	6
U225MTBP	(1) 200A 3P pullout	NONE	200K	200 --	240*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN PULLOUT		6 AWG - 250 kcmil	Fig. 2	30	22	6
U227MTBP	(1) 200A 3P pullout	NONE	200K	200 --	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN PULLOUT		6 AWG - 250 kcmil	Fig. 2	30	22	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HA = AW HUB

Test Block Bypass **MTBPMS15 Series** 200 Amp / 200K AIC / 480 Volt Self-Contained Meter-Main



224MTBPMS15



U224MTBPMS15

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main–safety socket with factory installed 200amp fusible pullout and test/bypass facilities¹
- “T” fuses included
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/224MTBPMS15 only
- Provisions for 2 AW base caps or hub kits on top – overhead units only
- Padlock provision
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Fifth jaw kit — catalog #50371
- Center and offset pole mounting brackets
- Bussed gutters, see page 75
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Overhead–Surface Mount

Overhead—Surface Mount									CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
224MTBPMS15	(1) 200A 2P pullout	NONE	200K	200	--	240/480	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 1	48	14	6
225MTBPMS15	(1) 200A 3P pullout	NONE	200K	200	--	480*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 1	48	14	6
227MTBPMS15	(1) 200A 3P pullout	NONE	200K	200	--	480/277	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 1	48	14	6

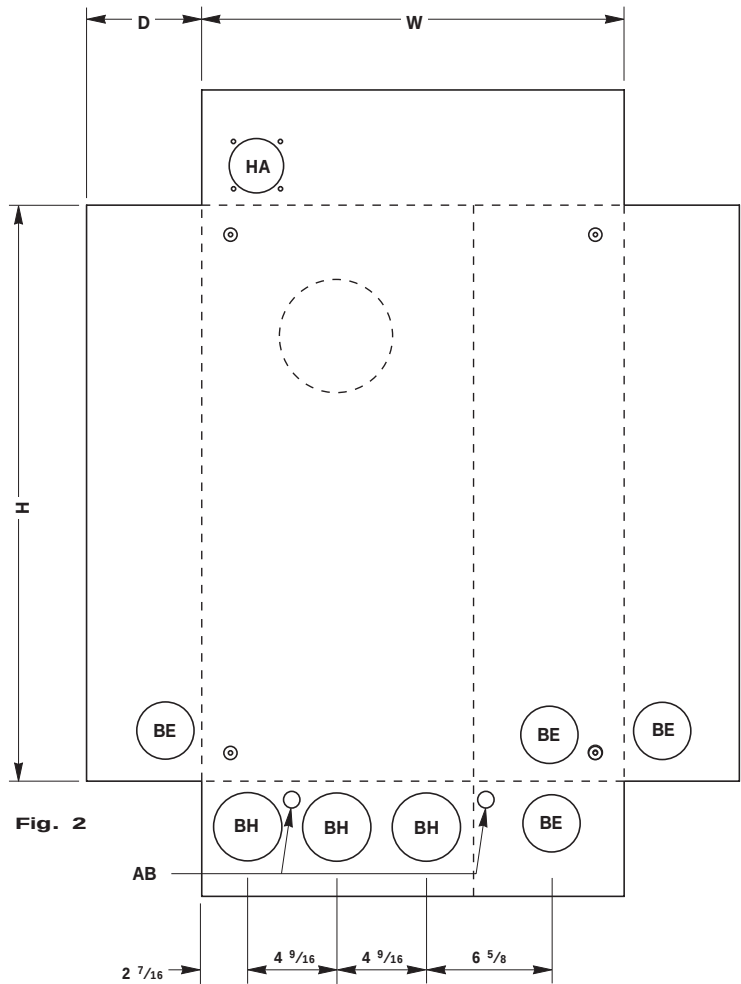
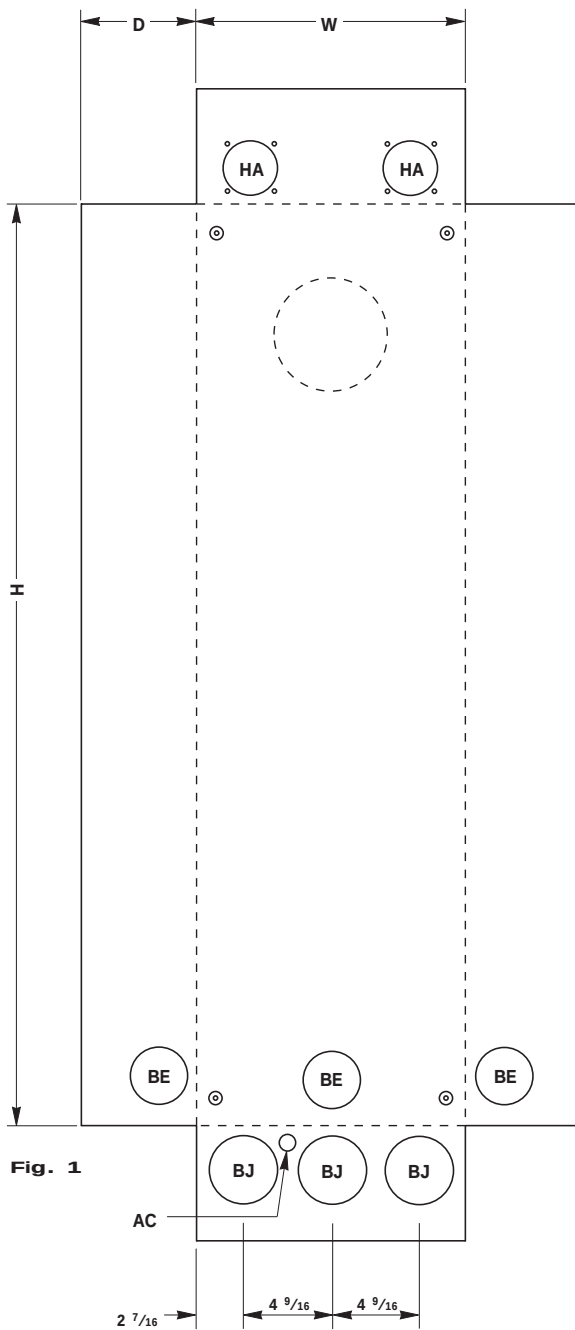
Overhead / Underground–Surface Mount

Overhead / Underground—Surface Mount										CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	PROV.	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)	
U224MTBPMS15	(1) 200A 2P pullout	NONE	200K	200	--	240/480	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 2	30	22	6	
U225MTBPMS15	(1) 200A 3P pullout	NONE	200K	200	--	480*	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 2	30	22	6	
U227MTBPMS15	(1) 200A 3P pullout	NONE	200K	200	--	480/277	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 2	30	22	6	

¹ = 60-in. lbs torque recommended for circuit-closing nut

* For 480/277V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

For Safety Socket Bypass instructions see page 74.


Knockouts — Conduit Sizes

AB = 1/2"
 AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HA = AW HUB

Test Block Bypass MTBL / MTBPL Series**200 Amp / 10K AIC / 240 Volt Self-Contained Meter-Main Load-Center****U224MTBL****U224MTBPL****APPLICATION**

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Combination meter/main load center – safety socket with factory installed test/bypass facilities.¹ Main disconnecting device available as circuit breaker or fusible pullout.
- “T” fuses are included
- Separate sealable utility compartment
- Padlock provision on load side hinged door
- Snap type sealing ring included
- 5th jaw provision at nine o'clock – U/224MTBL and U224MTBPL only
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Ground bar kit — catalog #50011A
- Fifth jaw kit — catalog #50371
- AW hubs
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Siemens filler plate #25319

Overhead / Underground-Surface Mount

Overhead / Underground – Surface Mount									CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)	
U224MTBL	(1) 200A 2P CB	20/40	10K*	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	30	27	6
U225MTBL	(1) 200A 3P CB	24/42	10K*	200	--	240**	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	32	27	6
U227MTBL	(1) 200A 3P CB	24/42	10K*	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	32	27	6
U224MTBPL	(1) 200A 2P pullout	20/40	100K	200	--	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 1	30	27	6
U225MTBPL	(1) 200A 3P pullout	24/42	100K	200	--	240**	3Ø 3W	5	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 1	32	27	6
U227MTBPL	(1) 200A 3P pullout	24/42	100K	200	--	208/120 & 240/120	3Ø 4W	7	AW	6 AWG - 250 kcmil	MAIN PULLOUT	6 AWG - 250 kcmil	Fig. 1	32	27	6

¹ = 60-in. lbs torque recommended for circuit-closing nut

* Available in 42K on request

** For 208/120V, 1Ø 3W systems, order 4-jaw unit and a 5th jaw kit

Note: For branch circuits, order type “QP” breaker 15amp-100amp

For Safety Socket Bypass instructions see page 74.



Fig. 1

$AB = \frac{1}{2}"$
 $AE = \frac{3}{4}" - \frac{1}{2}"$
 $AP = 1 \frac{1}{4}" - 1" - \frac{3}{4}" - \frac{1}{2}"$
 $AU = 1 \frac{1}{2}" - 1 \frac{1}{4}" - 1" - \frac{3}{4}"$
 $BH = 3" - 2 \frac{1}{2}"$
 $HA = AW \text{ HUB}$

The meter sockets shown in this section have certain short circuit current ratings when used in conformance with the tables below:

WHEN USED IN CONJUNCTION WITH FUSE OR BREAKER	THIS METER SOCKET IS RATED FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN	At Volts Max.
--	--	---------------

Class 100 Meter Sockets

100Amp class J, T, RK1 or RK5 fuse	100,000 RMS Symmetrical Amperes	600
100Amp Siemens type "HQP" circuit breaker	65,000* RMS Symmetrical Amperes	240
100Amp Westinghouse type "QHPX" circuit breaker	42,000* RMS Symmetrical Amperes	240
100Amp listed circuit breaker	25,000* RMS Symmetrical Amperes	240

Class 200 Meter Sockets

200Amp class J or T fuse	200,000 RMS Symmetrical Amperes	600
200Amp class RK-1 fuse	42,000 RMS Symmetrical Amperes	480
200Amp Siemens type "FXD6" circuit breaker	22,000* RMS Symmetrical Amperes	480
200Amp Siemens type "HFD6" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJ2-H" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJH2" circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp West. type "CAH" circuit breaker	22,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker (1Ø only)	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

Class 320 Meter Sockets

400Amp class J or T fuse	100,000* RMS Symmetrical Amperes	600
400Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

**Not in excess of the circuit breaker interrupting rating*

Note: This table does not apply to meter-breaker units or to CT rated sockets

Main Breaker Data

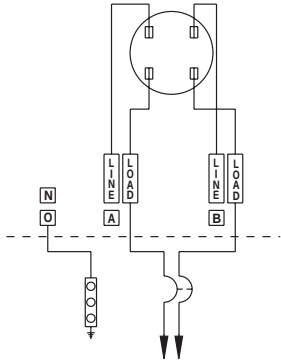
CATALOG NUMBER	CIRCLE AW BREAKER #	ITE BREAKER #	AMPACITY	VOLTAGE	# OF POLES	AIC RATING
U214MTB	25458P	Q2100	100A	240	2P	10K
U215MTB	25460P	Q3100	100A	240	3P	10K
U217MTB	25460P	Q3100	100A	240	3P	10K
U214MTBHMS45	25464P	Q2100H	100A	240	2P	22K
U215MTBHMS45	25466P	Q3100H	100A	240	3P	22K
U217MTBHMS45	25466P	Q3100H	100A	240	3P	22K
U214MTBH	25470P	Q2100HH	100A	240	2P	42K
U215MTBH	25472P	Q3100HH	100A	240	3P	42K
U217MTBH	25472P	Q3100HH	100A	240	3P	42K
U214MTBMS15	25534N	ED42B100	100A	480	2P	10K
U215MTBMS15	25536N	ED43B100	100A	480	3P	10K
U217MTBMS15	25536N	ED43B100	100A	480	3P	10K
U214MTBHMS15	25544N	HED42B100	100A	480	2P	42K
U215MTBHMS15	25546N	HED43B100	100A	480	3P	42K
U217MTBHMS15	25546N	HED43B100	100A	480	3P	42K
U214MTBL	25458P	Q2100	100A	240	2P	10K
U215MTBL	25460P	Q3100	100A	240	3P	10K
U217MTBL	25460P	Q3100	100A	240	3P	10K
U224MTB	25508K	QJ22B200	200A	240	2P	10K
U225MTB	25510K	QJ23B200	200A	240	3P	10K
U227MTB	25510K	QJ23B200	200A	240	3P	10K
U224MTBHMS45	25512K	QJH22B200H	200A	240	2P	22K
U225MTBHMS45	25514K	QJH23B200H	200A	240	3P	22K
U227MTBHMS45	25514K	QJH23B200H	200A	240	3P	22K
U224MTBH	25516K	QJ22B200H	200A	240	2P	42K
U225MTBH	25518K	QJ23B200H	200A	240	3P	42K
U227MTBH	25518K	QJ23B200H	200A	240	3P	42K
U224MTBMS15	25552J	FXD62B200	200A	480	2P	10K
U225MTBMS15	25554J	FXD63B200	200A	480	3P	10K
U227MTBMS15	25554J	FXD63B200	200A	480	3P	10K
U224MTBHMS15	25552J	FXD62B200	200A	480	2P	22K
U225MTBHMS15	25554J	FXD63B200	200A	480	3P	22K
U227MTBHMS15	25554J	FXD63B200	200A	480	3P	22K

Main Pullout Data

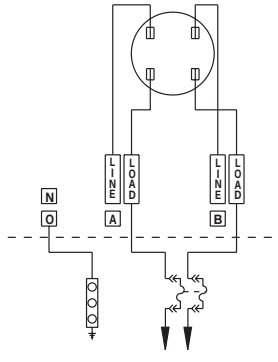
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U215MTBP	20404B	PT323	100A	240	3P	200K
U217MTBP	20404B	PT323	100A	240	3P	200K
U214MTBPMS15	20404E	PT363-2P	100A	480	2P	200K
U215MTBPMS15	20404F	PT363	100A	480	3P	200K
U217MTBPMS15	20404F	PT363	100A	480	3P	200K
U224MTBP	20404C	PT324-2P	200A	240	2P	200K
U225MTBP	20404D	PT324	200A	240	3P	200K
U227MTBP	20404D	PT324	200A	240	3P	200K
U224MTBPMS15	20404G	PT364-2P	200A	480	2P	200K
U225MTBPMS15	20404H	PT364	200A	480	3P	200K
U227MTBPMS15	20404H	PT364	200A	480	3P	200K

Main Pullout Data

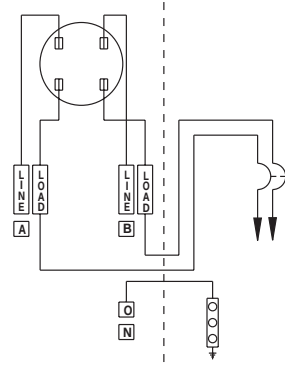
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U214MTBPL	25050A	TFP223	100A	240	2P	100K
U215MTBPL	25051A	TFP323	100A	240	3P	100K
U217MTBPL	25051A	TFP323	100A	240	3P	100K
U224MTBPL	25052A	TFP224	200A	240	2P	100K
U225MTBPL	25053A	TFP324	200A	240	3P	100K
U227MTBPL	25053A	TFP324	200A	240	3P	100K



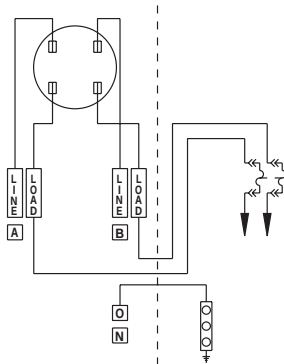
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214MTBH
214MTBMS15
214MTBHMS15
224MTB
224MTBHMS45
224MTBH
224MTBHMS15



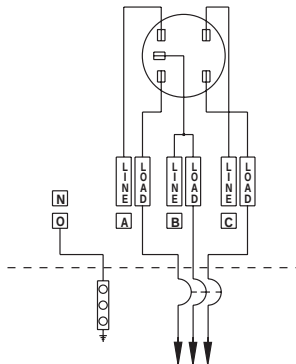
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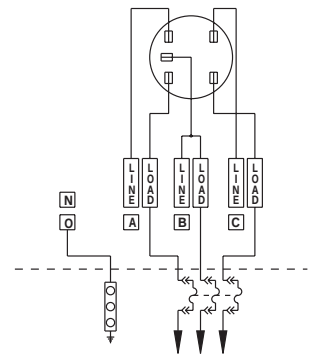
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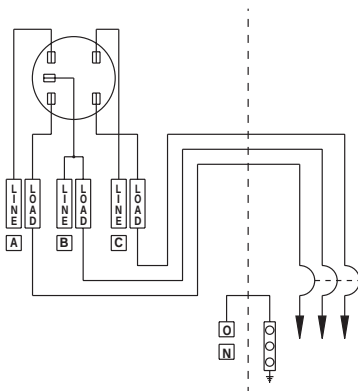
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225MTBHMS45

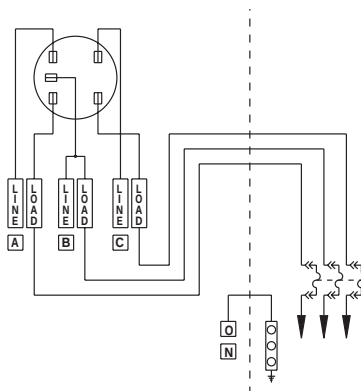


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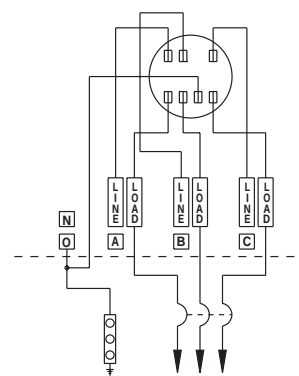
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U225MTBH
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U225MTBHMS15



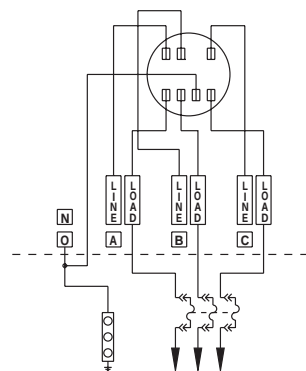
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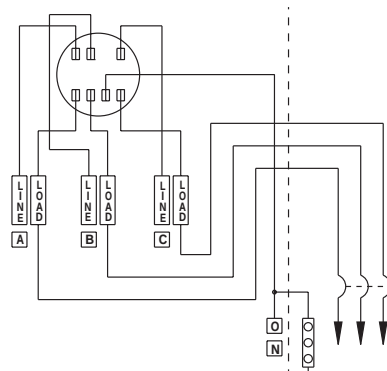
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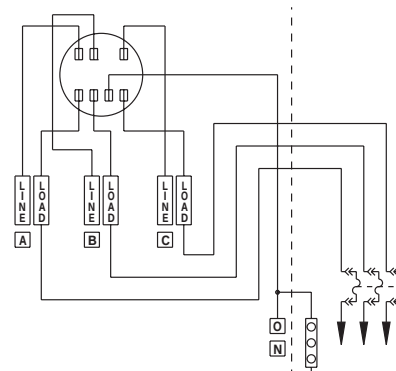
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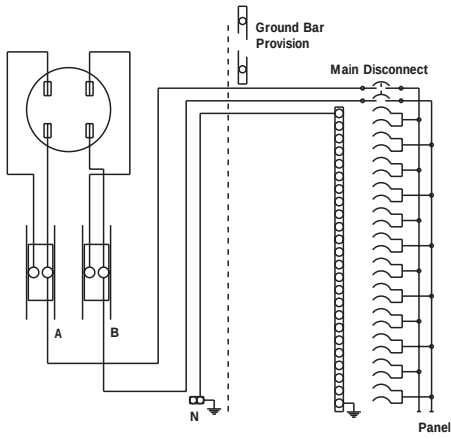
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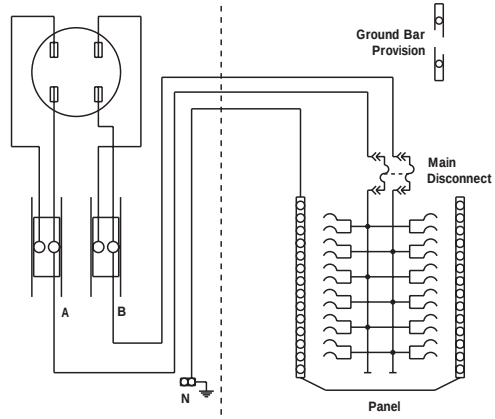


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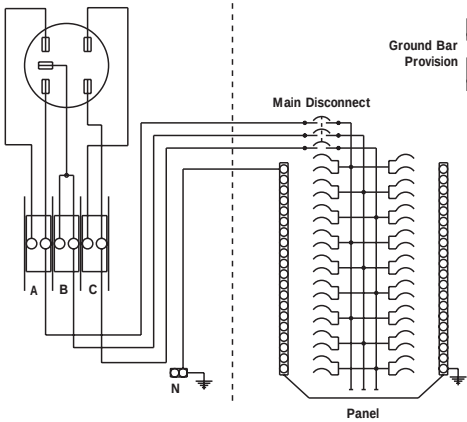
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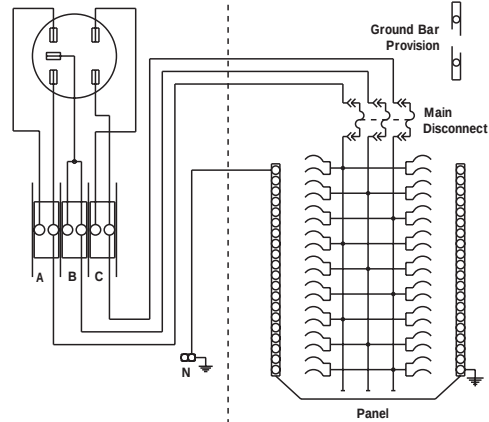
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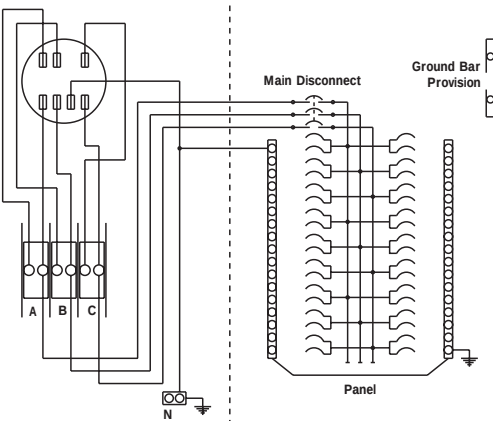
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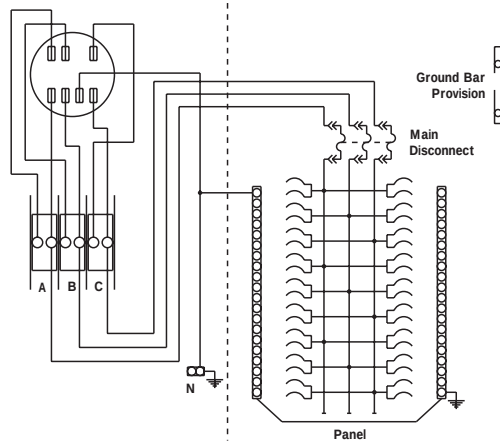
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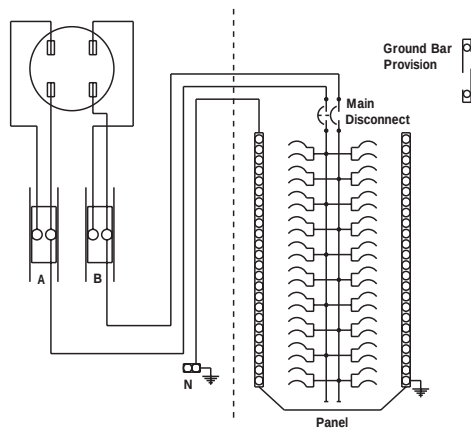
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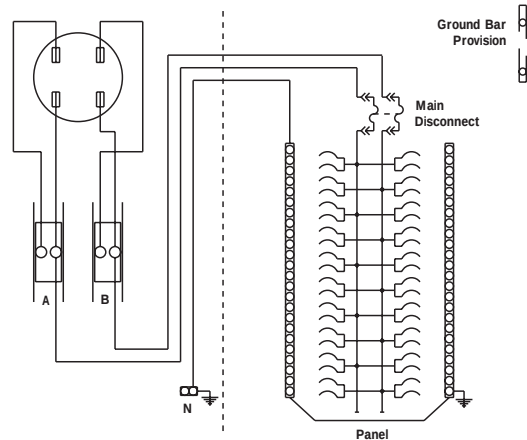
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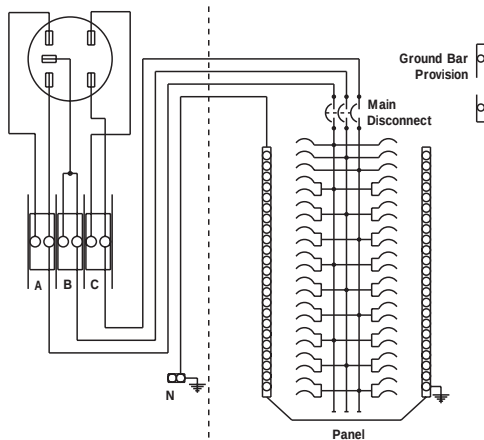
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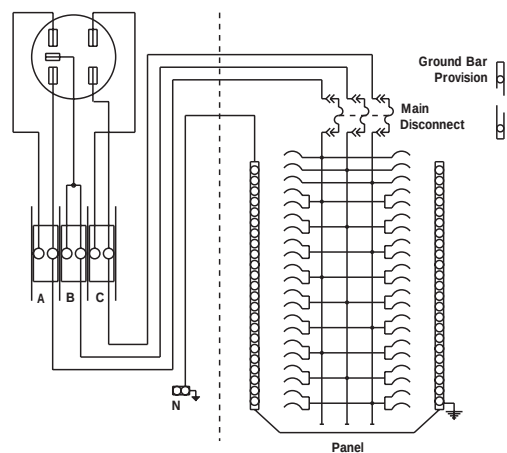
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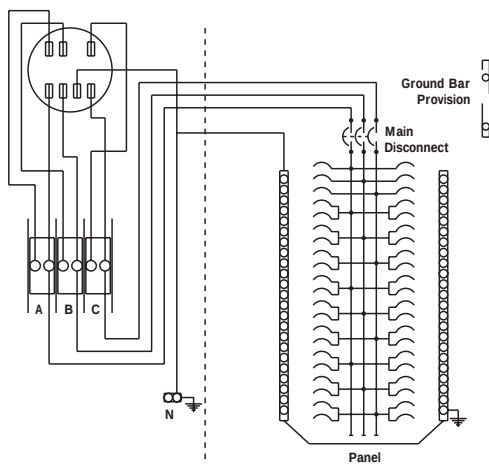
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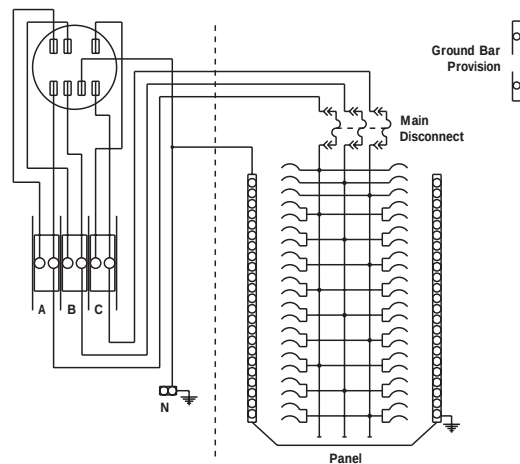
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U225MTBL



Catalog #
U225MTBPL



Catalog #
U227MTBL



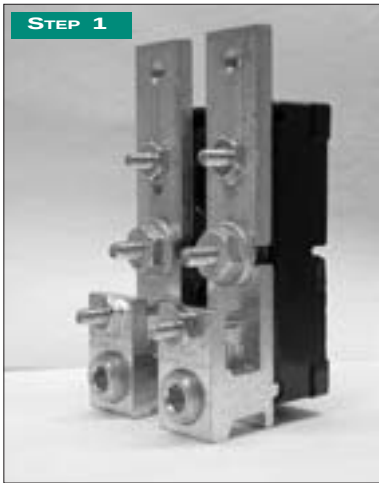
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U227MTBPL

Test Block Bypass Safety Socket Bypass Instructions

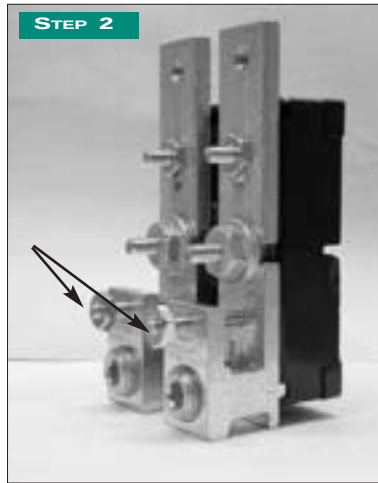
This procedure should be performed Only by Qualified Utility Personnel

Test Block Bypass

4



Test Block in normal operation. All screw terminals are in the closed position and tightened to the required torque specification.



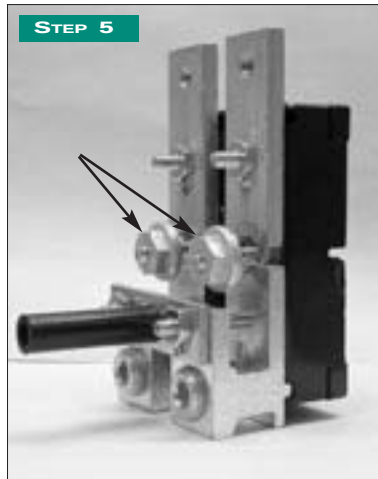
Loosen Terminal Bypass Nuts.



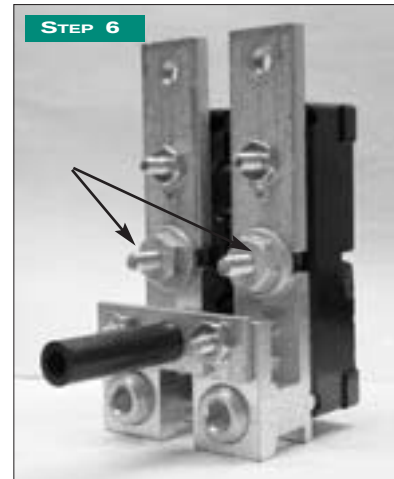
Picture shows the "Bypass Link" used to bypass the meter. (Normally supplied by utility)



Install Bypass Link as shown and tighten the Terminal Bypass Nuts to required torque specifications.



With Bypass Link securely in place, loosen Circuit Closing Nuts. All current and voltage potential has now been isolated from the socket. Meter may now be safely removed from socket.



After meter has been replaced, securely tighten the Circuit Closing Nut to required torque specification.



Loosen Terminal Bypass Nuts and remove Bypass Link. Meter is now energized.

Torque table for
100 & 200 Amp units.

Circuit Closing Nuts: 60 in-lbs
Terminal Bypass Nuts: 45 in-lbs



Tighten Terminal Bypass Nuts.

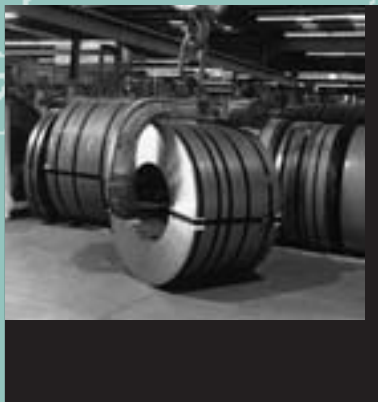
COOPER B-Line



BUSSED GUTTERS

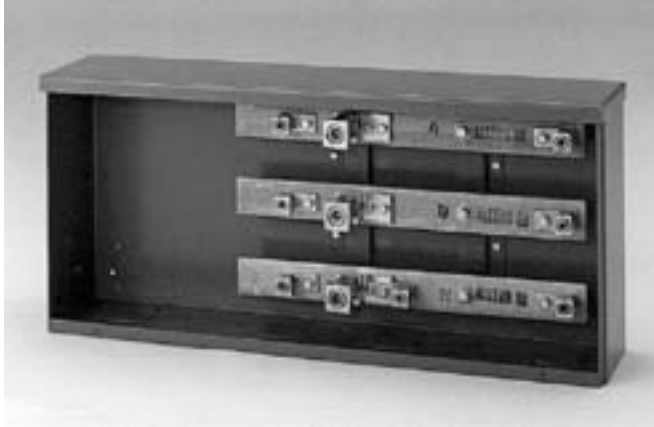


R1024HCC



D HOLE
250-20
ER NUMBER
TERIOR
MOUNTING HOLES)

B-Line



R1122HC

APPLICATION

- For ganging TB – MTB – MTBP or MTBH units under common feed

CONSTRUCTION

- Type 3R construction
- Aluminum bussing
- Knockouts on bottom end for AW hub opening

STANDARDS

- UL 1773 listed

Note: For underground feed most utilities require the use of underground termination enclosure series “R-9000” (page 82) ahead of bussed gutters.

1Ø 3W

CATALOG NUMBER	METER POSITIONS	AIC RATING	AMPACITY	VOLTAGE	CONDUCTOR LUG RANGE			FIGURE NUMBER	DIMENSIONS (INCHES)		
					PHASE LINE	CONDUCTOR LOAD*	NEUTRAL CONDUCTOR**		HEIGHT (H)	WIDTH (W)	DEPTH (D)
R1122HC	2	10K	400	600	(1) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 1	13	28 ¾	6
R1123HC	3	10K	400	600	(1) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 2	13	42 ¾	6
R1123HD	3	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 2	22	42 ¾	6
R1124HD	4	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 3	22	57	6
R1125HD	5	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 4	22	71 ¼	6
R1126HD	6	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 5	22	85 ¾	6
R1124HE	4	10K	800	600	(3) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 3	22	57	6
R1125HE	5	10K	800	600	(3) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 4	22	71 ¼	6
R1126HE	6	10K	800	600	(3) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 5	22	85 ¾	6

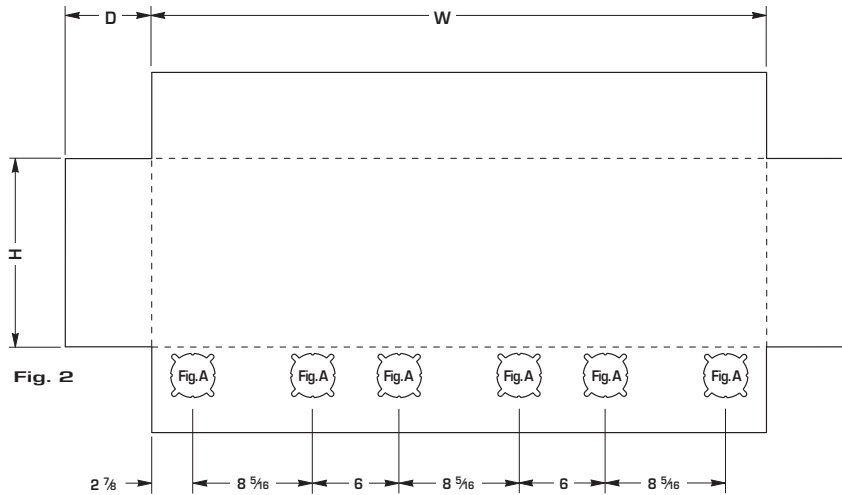
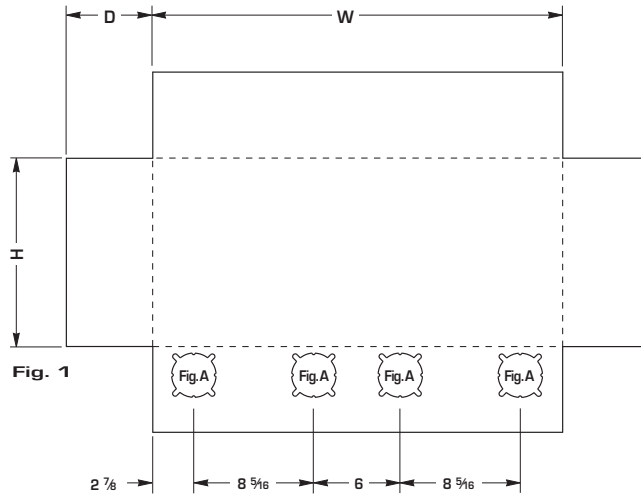
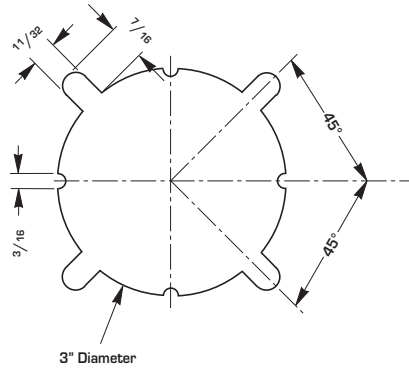
3Ø 4W

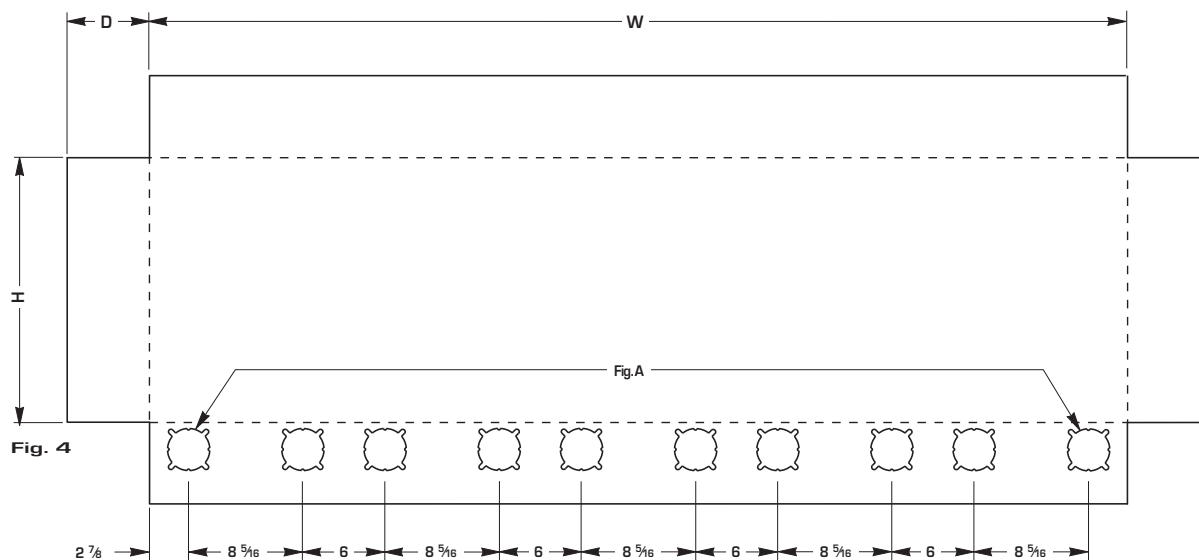
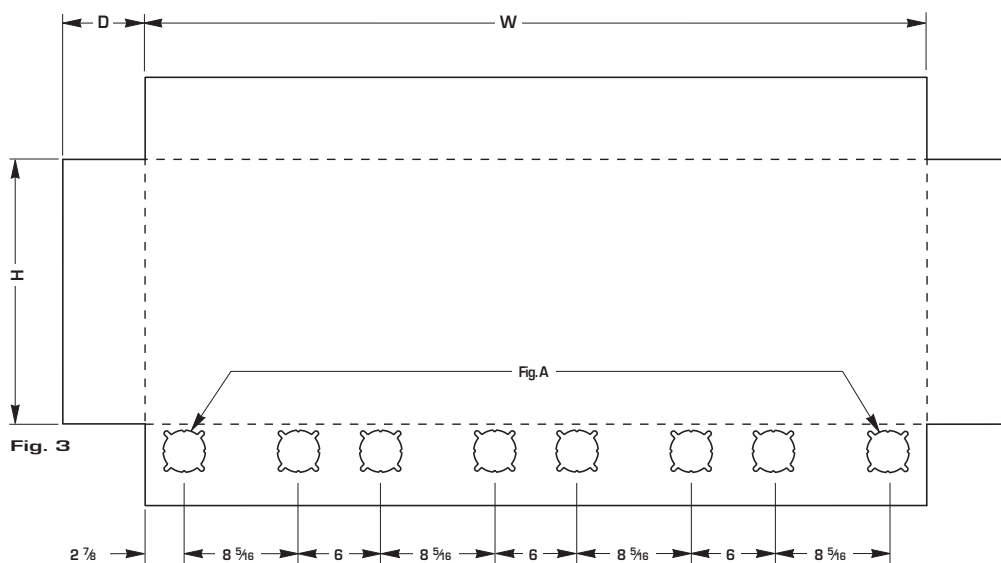
CATALOG NUMBER	METER POSITIONS	AIC RATING	AMPACITY	VOLTAGE	CONDUCTOR LUG RANGE			FIGURE NUMBER	DIMENSIONS (INCHES)		
					PHASE LINE	CONDUCTOR LOAD*	NEUTRAL CONDUCTOR**		HEIGHT (H)	WIDTH (W)	DEPTH (D)
R1122HCC	2	10K	400	600	(1) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 1	22	28 ¾	6
R1123HCC	3	10K	400	600	(1) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 2	22	42 ¾	6
R1123HDD	3	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 2	22	42 ¾	6
R1124HDD	4	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 3	22	57	6
R1125HDD	5	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 4	22	71 ¼	6
R1126HDD	6	10K	600	600	(2) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 5	22	85 ¾	6
R1124HEE	4	10K	800	600	(3) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 3	28 ½	57	6
R1125HEE	5	10K	800	600	(3) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 4	28 ½	71 ¼	6
R1126HEE	6	10K	800	600	(3) 4 AWG - 600 kcmil	6 AWG - 600 kcmil	4 AWG - 600 kcmil	Fig. 5	28 ½	85 ¾	6

* = Load lugs pre-installed - one set per meter position

** = Ground lug secured to neutral bus 6 AWG - 250 kcmil

Clover Leaf
Knockout
(Fig. A)





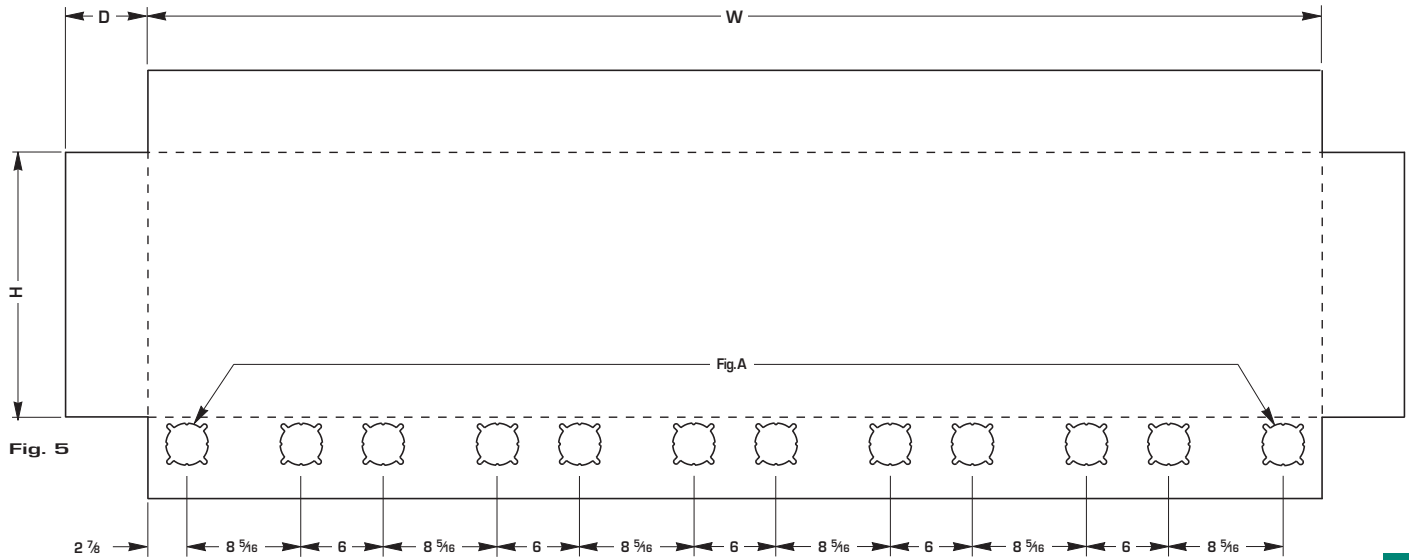


Fig. 5

Bussed Gutters

400 Amp - 2000 Amp



R1024HC

APPLICATION

- Intended for use as a distribution point for multiple load applications

CONSTRUCTION

- Type 3R construction
- **Tin-plated aluminum bussing is standard. Copper available as special order.**
- $\frac{5}{16}$ -18 mounting holes for load lugs - single location per ϕ per foot width.

STANDARDS

- UL 1773 listed

FINISH

- ANSI 61 gray acrylic electrocoat finish

1Ø 3W

CATALOG NUMBER	AIC RATING	AMPACITY	VOLTAGE	BUS SIZE	CONDUCTOR LUG RANGE			DIMENSIONS (INCHES)		
					PHASE LINE*	CONDUCTOR LOAD	NEUTRAL CONDUCTOR*	HEIGHT (H)	WIDTH (W)	DEPTH (D)
R1024HC	10K	400	600	$\frac{1}{4}$ " x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	24	6
R1036HC	10K	400	600	$\frac{1}{4}$ " x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	36	6
R1048HC	10K	400	600	$\frac{1}{4}$ " x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	48	6
R1060HC	10K	400	600	$\frac{1}{4}$ " x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	60	6
R1072HC	10K	400	600	$\frac{1}{4}$ " x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	72	6
R1036HD	10K	600	600	$\frac{1}{4}$ " x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	22	36	6
R1048HD	10K	600	600	$\frac{1}{4}$ " x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	22	48	6
R1060HD	10K	600	600	$\frac{1}{4}$ " x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	22	60	6
R1072HD	10K	600	600	$\frac{1}{4}$ " x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	22	72	6
R1048HE	10K	800	600	$\frac{1}{4}$ " x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	22	48	6
R1060HE	10K	800	600	$\frac{1}{4}$ " x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	22	60	6
R1072HE	10K	800	600	$\frac{1}{4}$ " x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	22	72	6

* Every 600 kcmil lug will accept (2) 1/0 - 250 kcmil cables.

Bussed Gutters

400 Amp - 2000 Amp

3Ø 4W

CATALOG NUMBER	AIC RATING	AMPACITY	VOLTAGE	BUS SIZE	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR*	DIMENSIONS (INCHES)		
					PHASE LINE*	CONDUCTOR LOAD		HEIGHT (H)	WIDTH (W)	DEPTH (D)
R1024HCC	10K	400	600	¼" x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	24	6
R1036HCC	10K	400	600	¼" x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	36	6
R1048HCC	10K	400	600	¼" x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	48	6
R1060HCC	10K	400	600	¼" x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	60	6
R1072HCC	10K	400	600	¼" x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	72	6
R1096HCC	10K	400	600	¼" x 2" AL	(1) 4 AWG - 600 kcmil	NONE	(1) 4 AWG - 600 kcmil	22	96	6
R1036HDD	10K	600	600	¼" x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	28 ½	36	6
R1048HDD	10K	600	600	¼" x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	28 ½	48	6
R1060HDD	10K	600	600	¼" x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	28 ½	60	6
R1072HDD	10K	600	600	¼" x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	28 ½	72	6
R1096HDD	10K	600	600	¼" x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	28 ½	96	6
R10120HDD	10K	600	600	¼" x 3" AL	(2) 4 AWG - 600 kcmil	NONE	(2) 4 AWG - 600 kcmil	28 ½	120	6
R1048HEE	10K	800	600	¼" x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	28 ½	48	6
R1060HEE	10K	800	600	¼" x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	28 ½	60	6
R1072HEE	10K	800	600	¼" x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	28 ½	72	6
R1096HEE	10K	800	600	¼" x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	28 ½	96	6
R10120HEE	10K	800	600	¼" x 4" AL	(3) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	28 ½	120	6
R1060HFF	10K	1200	600	¼" x 6" AL	(4) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	60	6
R1072HFF	10K	1200	600	¼" x 6" AL	(4) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	72	6
R1096HFF	10K	1200	600	¼" x 6" AL	(4) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	96	6
R10120HFF	10K	1200	600	¼" x 6" AL	(4) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	120	6
R1072HGG	10K	1600	600	¼" x 6" AL**	(6) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	72	6
R1096HGG	10K	1600	600	¼" x 6" AL**	(6) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	96	6
R10120HGG	10K	1600	600	¼" x 6" AL**	(6) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	120	6
R1072HHH	10K	2000	600	¼" x 6" AL***	(6) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	72	6
R1096HHH	10K	2000	600	¼" x 6" AL***	(6) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	96	6
R10120HHH	10K	2000	600	¼" x 6" AL***	(6) 4 AWG - 600 kcmil	NONE	(3) 4 AWG - 600 kcmil	36	120	6

* Every 600 kcmil lug will accept (2) 1/0 - 250 kcmil cables.

** 2 per Ø

*** 3 per Ø

Bussed Gutters

Bussed Termination Enclosures



R9000C



R9000EE

APPLICATION

- For termination of power utility supply cables

CONSTRUCTION

- Type 3R construction
- Removable door with sealing provision
- Lift handles enclosure covers
- Line studs, load lugs

STANDARDS

- UL 1773 listed

FINISH

- ANSI 61 gray acrylic electrocoat finish

Underground-Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY	VOLTAGE	SERVICE TYPE	CONDUCTOR LUG RANGE		DIMENSIONS (INCHES)		
					PHASE & NEUTRAL LINE*	CONDUCTOR LOAD	HEIGHT (H)	WIDTH (W)	DEPTH (D)
R9007A	--	100	600	1Ø or 3Ø, 3W	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	8	12	4
R9000B	10K	200	600	1Ø or 3Ø, 3W	6 AWG - 250 kcmil	6 AWG - 250 kcmil	26	12	6
R9000BB	10K	200	600	3Ø, 4W	6 AWG - 250 kcmil	6 AWG - 250 kcmil	26	16	6
R9000C	42K	400	600	1Ø or 3Ø, 3W	2 STUDS / Ø	6 AWG - 600 kcmil	44	12	7
R9000CC	42K	400	600	3Ø, 4W	2 STUDS / Ø	6 AWG - 600 kcmil	44	18	7
R9000E	65K	800	600	1Ø or 3Ø, 3W	4 STUDS / Ø	(3) 4 AWG - 600 kcmil	52	18	11
R9000EE	65K	800	600	3Ø, 4W	4 STUDS / Ø	(3) 4 AWG - 600 kcmil	52	26	11
R9000F	65K	1200	600	1Ø or 3Ø, 3W	6 STUDS / Ø	(4) 4 AWG - 600 kcmil	52	24	11
R9000FF	65K	1200	600	3Ø, 4W	6 STUDS / Ø	(4) 4 AWG - 600 kcmil	52	36	11

* Every 600 kcmil lug will accept (2) 1/0 - 250 kcmil cables.



R9000CL

APPLICATION

- For termination of power utility supply cables

CONSTRUCTION

- Type 3R construction
- Removable door with sealing provision
- Lift handles enclosure covers
- One piece line/load extrusion - no worrisome connections
- Line & load lugs

STANDARDS

- UL 1773 listed

FINISH

- ANSI 61 gray acrylic electrocoat finish

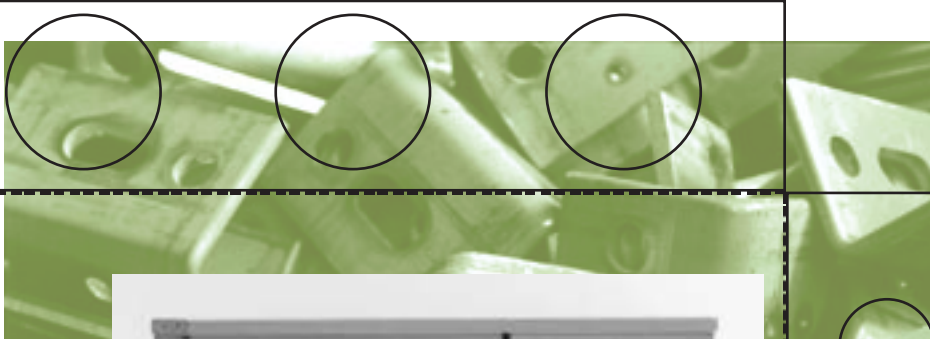
Overhead/Underground - Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY	VOLTAGE	SERVICE TYPE	CONDUCTOR LUG RANGE		DIMENSIONS (INCHES)		
					PHASE & NEUTRAL LINE*	CONDUCTOR LOAD	HEIGHT (H)	WIDTH (W)	DEPTH (D)
R9000CL	42K	400	600	1Ø or 3Ø, 3W	(1) 4 AWG - 600 kcmil	(2) 1/0 - 250 kcmil	44	12	7
R9000CCL	42K	400	600	3Ø, 4W	(1) 4 AWG - 600 kcmil	(2) 1/0 - 250 kcmil	44	18	7
R9000EL	65K	800	600	1Ø or 3Ø, 3W	(3) 4 AWG - 600 kcmil	(6) 1/0 - 250 kcmil	52	18	11
R9000EEL	65K	800	600	3Ø, 4W	(3) 4 AWG - 600 kcmil	(6) 1/0 - 250 kcmil	52	26	11
R9000FL	65K	1200	600	1Ø or 3Ø, 3W	(4) 4 AWG - 600 kcmil	(8) 1/0 - 250 kcmil	52	24	11
R9000FFL	65K	1200	600	3Ø, 4W	(4) 4 AWG - 600 kcmil	(8) 1/0 - 250 kcmil	52	36	11

* Every 600 kcmil lug will accept (2) 1/0 - 250 kcmil cables.

Notes

COOPER B-Line



U4042MC



B-Line 


APPLICATION

- Single meter position
- Designed to receive watt-hour meters that meet ANSI C12.10

CONSTRUCTION

- Type 3R construction
- Manual bypass facilities
- H-base hub provision – 324N only
- Line/load lugs included for 324N and load lugs only included for 324C
- Snap type sealing ring included
- Ring Style

STANDARDS

- UL 414 listed, complies with ANSI-C12.7.

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Flush trim kit — catalog #FK1432 or FK2432
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

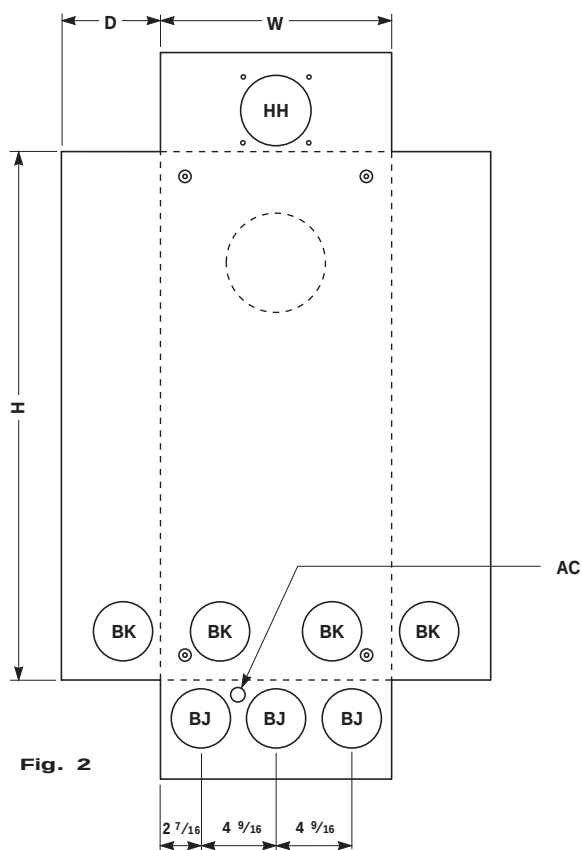
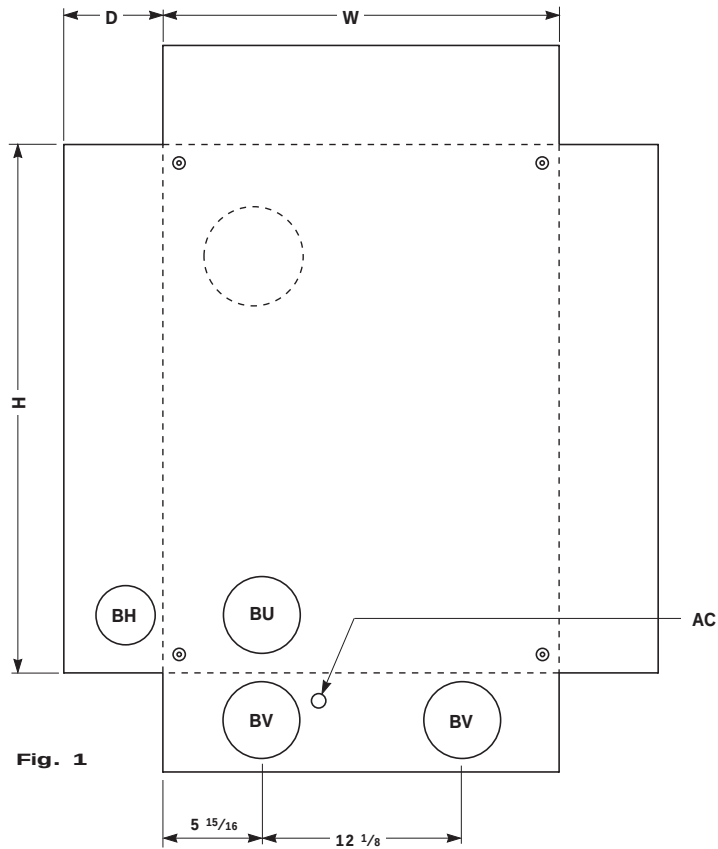
324N
Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
										PHASE & NEUTRAL LINE	CONDUCTOR LOAD		HEIGHT (H)	WIDTH (W)	DEPTH (D)
324C	NONE	NONE	†	400 320	600	1Ø 3W	4	MCC	NONE	STUDS	(1) 4 AWG - 600 kcmil or (2) 1 AWG-250 kcmil	Fig. 1	32	24	6

Overhead–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX. CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
										PHASE & NEUTRAL LINE/LOAD	CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
324N	NONE	NONE	†	400 320	600	1Ø 3W	4	MCC	H	(1) 4 AWG - 600 kcmil or (2) 1/0-250 kcmil		Fig. 2	32	14	6

† Meter sockets on this page have certain short circuit ratings when used in conformance with the tables on page 93.



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " – $\frac{1}{4}$ "
 BH = 3" – 2 $\frac{1}{2}$ "
 BJ = 3" – 2 $\frac{1}{2}$ " – 2"
 BK = 3" – 2 $\frac{1}{2}$ " – 2" – 1 $\frac{1}{2}$ "
 BU = 4" – 3 $\frac{1}{2}$ "
 BV = 4" – 3 $\frac{1}{2}$ " – 3"
 HH = H-BASE HUB


U404MC
APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- For residential installations
- Underground feed

CONSTRUCTION

- Type 3R construction
- Manual circuit closing bypass on MCC styles
- Snap type sealing ring included
- Ring Style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

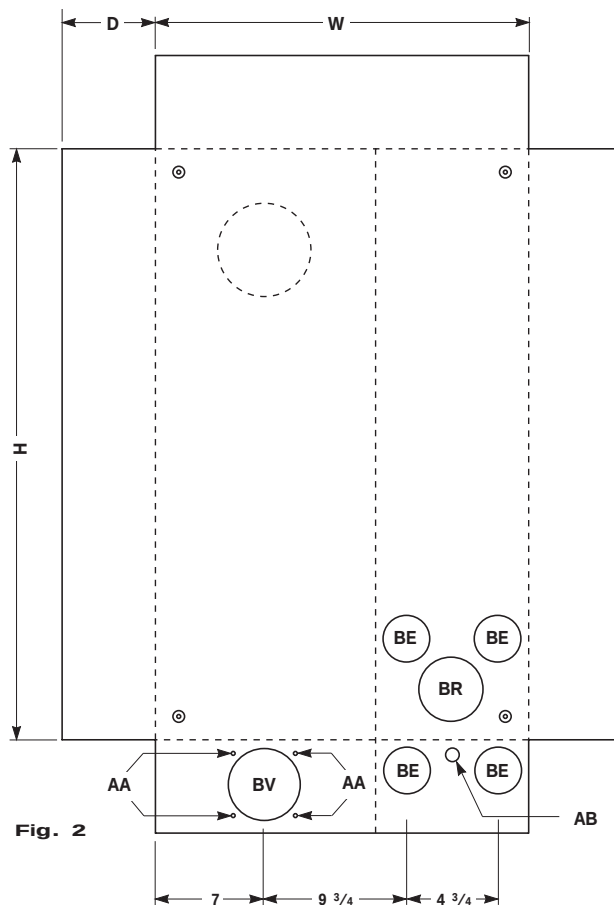
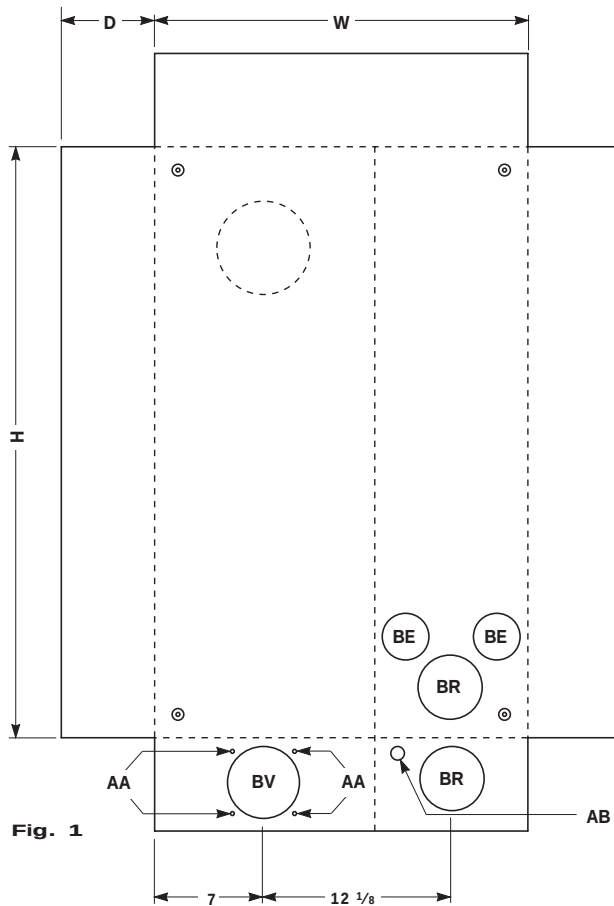
ACCESSORIES

- Flush trim kit — catalog #FK2438
- Overhead kit — catalog # CK8326
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening

Underground-Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
										LINE	PHASE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
U404MC	(1) 400A 2P CB	NONE	22K	400	120/240	1Ø 3W	4	NONE	NONE	STUDS	MAIN	CIRCUIT BREAKER	6 AWG - 600 kcmil	Fig. 1	38	24	6
U404MCC	(1) 400A 2P CB	NONE	22K	400	120/240	1Ø 3W	4	NONE	MCC	STUDS	MAIN	CIRCUIT BREAKER	6 AWG - 600 kcmil	Fig. 1	38	24	6
U4042MC	(2) 200A 2P CB	NONE	10K*	400	120/240	1Ø 3W	4	NONE	NONE	STUDS	MAIN	CIRCUIT BREAKER	14 AWG - 350 kcmil	Fig. 2	38	24	6
U4042MCC	(2) 200A 2P CB	NONE	10K*	400	120/240	1Ø 3W	4	NONE	MCC	STUDS	MAIN	CIRCUIT BREAKER	14 AWG - 350 kcmil	Fig. 2	38	24	6

*22K & 42K AIC available upon request



Knockouts — Conduit Sizes

$AA = \frac{1}{4}"$
 $AB = \frac{1}{2}"$
 $BE = 2 \frac{1}{2}" - 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}"$
 $BR = 3 \frac{1}{2}" - 3" - 2 \frac{1}{2}" - 2"$
 $BV = 4" - 3 \frac{1}{2}" - 3"$

Class 320 Metering

400 Amp / Self-Contained Meter-Main / Loadcenter



U4042230MC

APPLICATION

- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Underground feed

CONSTRUCTION

- Type 3R construction
- Manual circuit closing bypass on MCC styles
- Load side hinged padlockable door
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

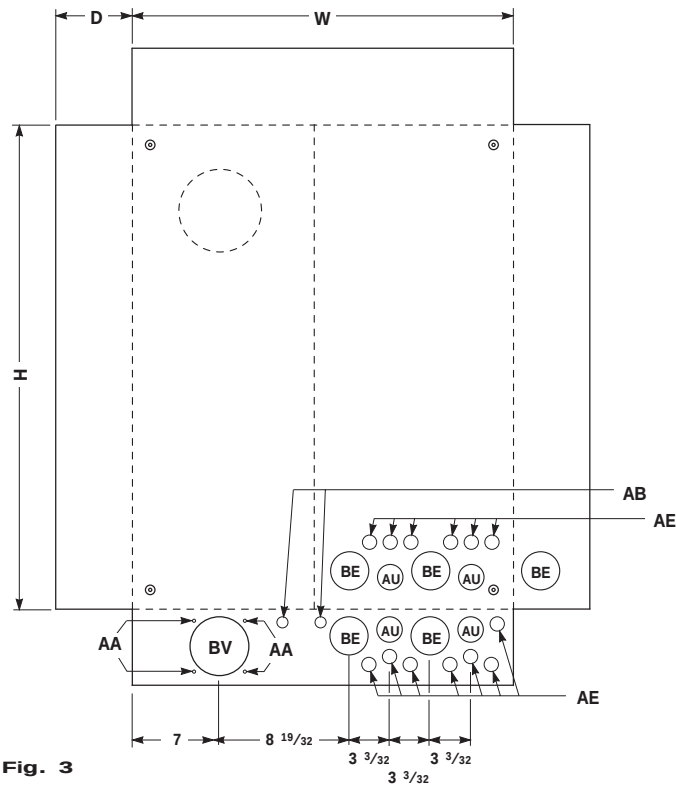
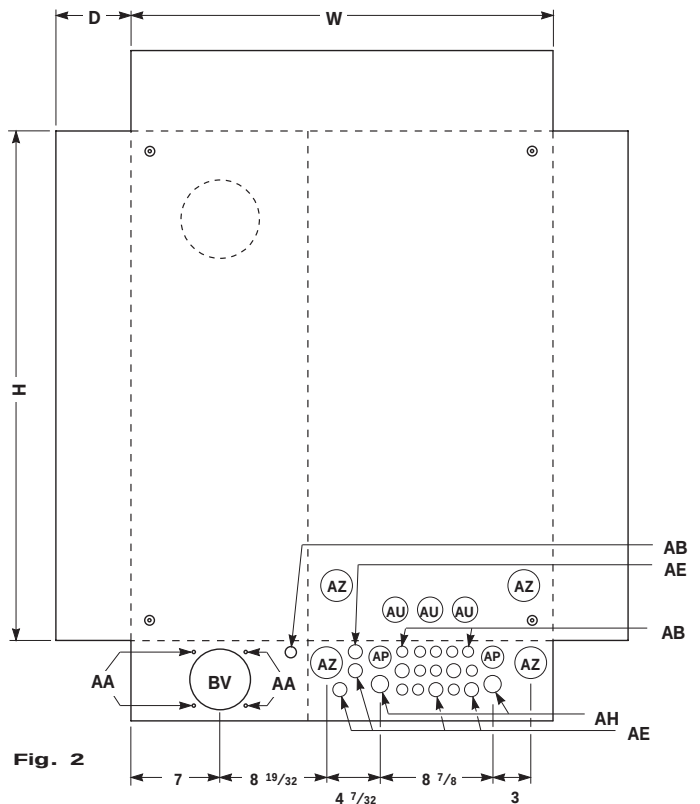
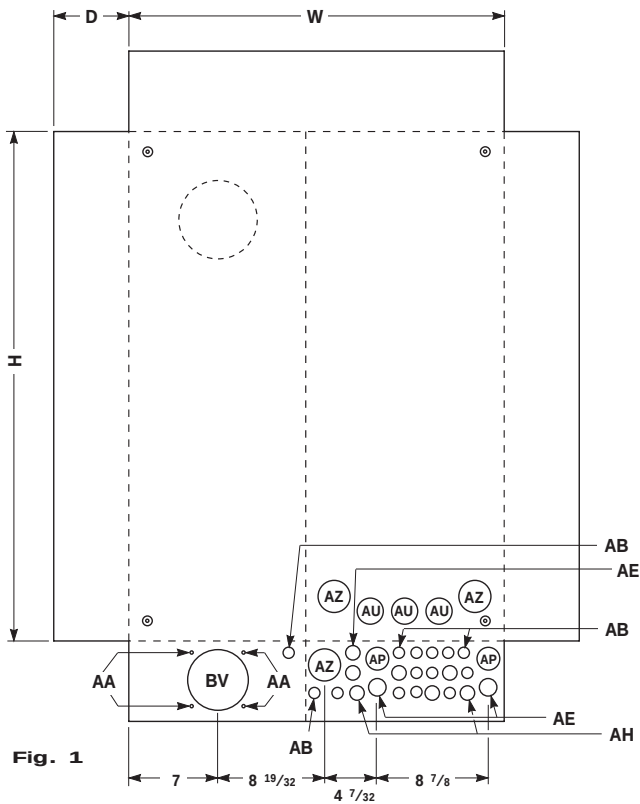
ACCESSORIES

- Flush trim kit — catalog #FK3038 or FK3447
- Overhead kit — catalog #CK8326
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Breaker filler plate #25319

Underground-Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	BRANCH CIRCUITS	AIC RATING	AMPACITY MAX.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE			FIGURE NUMBER	DIMENSIONS (INCHES)		
										LINE	PHASE CONDUCTOR LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
U40411230MC	(1) 200A 2P CB & (2) 100A Prov.	30/40	22K	400	120/240	1Ø 3W	4	NONE	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	38	30	6
U40411230MCC	(1) 200A 2P CB & (2) 100A Prov.	30/40	22K	400	120/240	1Ø 3W	4	MCC	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	38	30	6
U4042230MC	(1) 200A 2P CB & (1) 200A Prov.	30/40	22K	400	120/240	1Ø 3W	4	NONE	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	38	30	6
U4042230MCC	(1) 200A 2P CB & (1) 200A Prov.	30/40	22K	400	120/240	1Ø 3W	4	MCC	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	38	30	6
U404430MC	(1) 400A 2P CB	30	22K	400	120/240	1Ø 3W	4	NONE	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 600 kcmil	Fig. 2	47	34	6
U404430MCC	(1) 400A 2P CB	30	22K	400	120/240	1Ø 3W	4	MCC	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 600 kcmil	Fig. 2	47	34	6
U4042208MC	(1) 200A 2P CB & (1) 200A Prov.	8	22K	400	120/240	1Ø 3W	4	NONE	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 3	38	30	6
U4042208MCC	(1) 200A 2P CB & (1) 200A Prov.	8	22K	400	120/240	1Ø 3W	4	MCC	NONE	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 3	38	30	6

Note: For branch circuits, order type "QP" breaker 15amp-100amp
Only available in 22K AIC



Knockouts — Conduit Sizes

AA	= $\frac{1}{4}$ "
AB	= $\frac{1}{2}$ "
AE	= $\frac{3}{4}$ " - $\frac{1}{2}$ "
AH	= 1 " - $\frac{3}{4}$ "
AP	= $1 \frac{1}{4}$ " - 1 " - $\frac{3}{4}$ " - $\frac{1}{2}$ "
AU	= $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ " - 1 " - $\frac{3}{4}$ "
AZ	= 2 " - $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ " - 1 "
BE	= $2 \frac{1}{2}$ " - 2 " - $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ "
BV	= 4 " - $3 \frac{1}{2}$ " - 3 "

Main Breaker Data

CATALOG NUMBER	CIRCLE AW BREAKER #	ITE BREAKER #	AMPACITY	# OF POLES	AIC RATING
U404MC/MCC	25564F	JXD22B400	400A	2P	22K
U4042MC/MCC	25508K	QJ22B200	200A	2P	10K
U40411230MC/MCC	--	* EQ9685R	200A	2P	22K
U4042230MC/MCC	--	* EQ9685R	200A	2P	22K
U4044300MC/MCC	25564F	JXD22B400	400A	2P	22K
U4042208MC	--	* EQ9685R	200A	2P	22K
U4042208MCC	--	* EQ9685R	200A	2P	22K

*EQ style breakers are not field replaceable

Breaker Provision Data

CATALOG NUMBER	CIRCLE AW BREAKER #	ITE PULLOUT #	AMPACITY	# OF POLES	AIC RATING
U40411230MC/MCC	25458P	Q2100	100A	2P	10K
U4042230MC/MCC	25494D	Q2200BH	200A	2P	22K
	25492D	Q2200B	200A	2P	10K
U4042208MC/MCC	25494D	Q2200BH	200A	2P	22K
	25492D	Q2200B	200A	2P	10K

The meter sockets shown in this section have certain short circuit current ratings when used in conformance with the tables below:

WHEN USED IN CONJUNCTION WITH FUSE OR BREAKER	THIS METER SOCKET IS RATED FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN	AT VOLTS MAX.
--	--	---------------

Class 100 Meter Sockets

100Amp class J, T, RK1 or RK5 fuse	100,000 RMS Symmetrical Amperes	600
100Amp Siemens type "HQP" circuit breaker	65,000* RMS Symmetrical Amperes	240
100Amp Westinghouse type "QHPX" circuit breaker	42,000* RMS Symmetrical Amperes	240
100Amp listed circuit breaker	25,000* RMS Symmetrical Amperes	240

Class 200 Meter Sockets

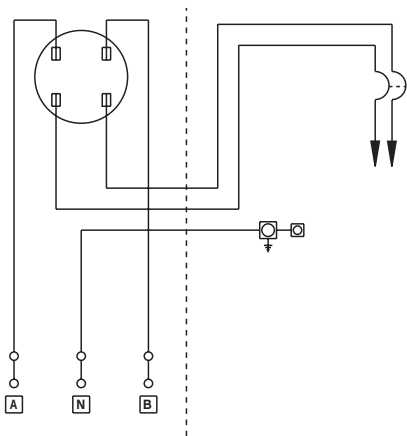
200Amp class J or T fuse	200,000 RMS Symmetrical Amperes	600
200Amp class RK-1 fuse	42,000 RMS Symmetrical Amperes	480
200Amp Siemens type "HFD6" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJ2-H" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJH2" circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp West. type "CAH" circuit breaker	22,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker (1Ø only)	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

Class 320 Meter Sockets

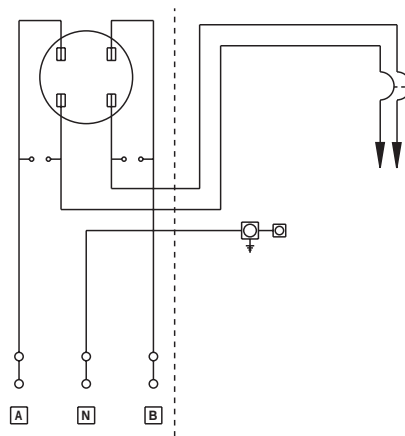
400Amp class J or T fuse	100,000* RMS Symmetrical Amperes	600
400Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

**Not in excess of the circuit breaker interrupting rating*

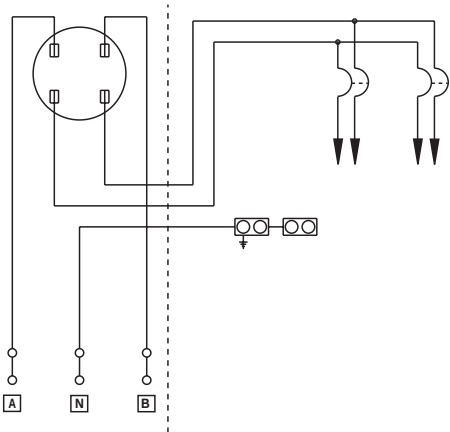
Note: This table does not apply to meter-breaker units or to CT rated sockets



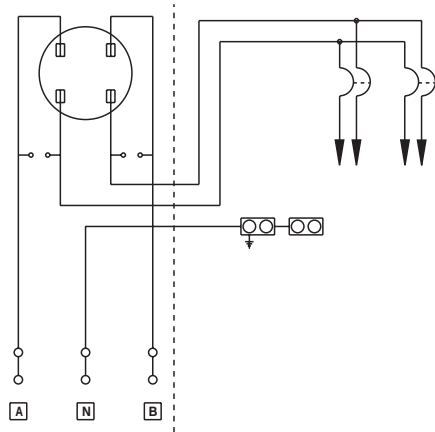
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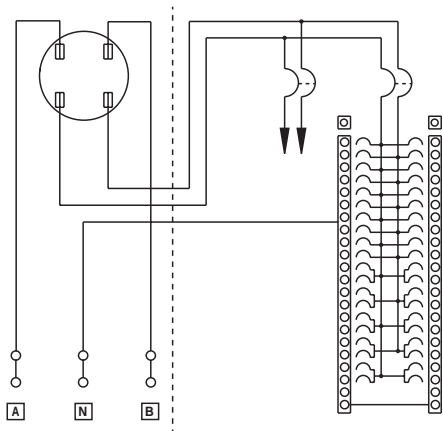
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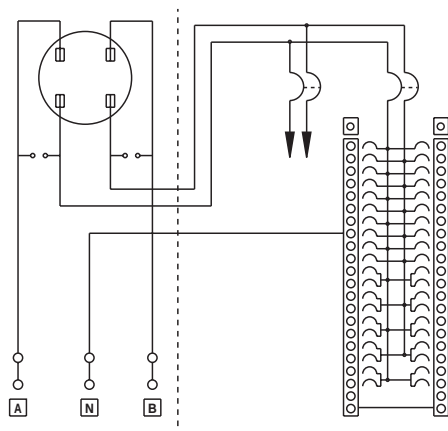
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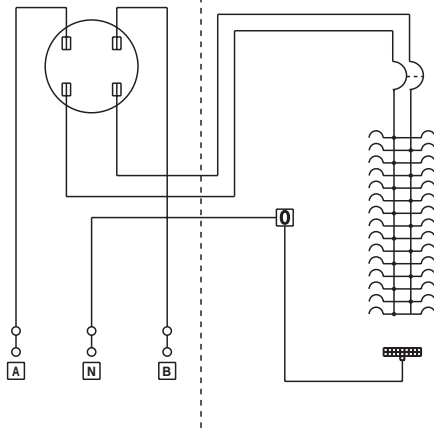
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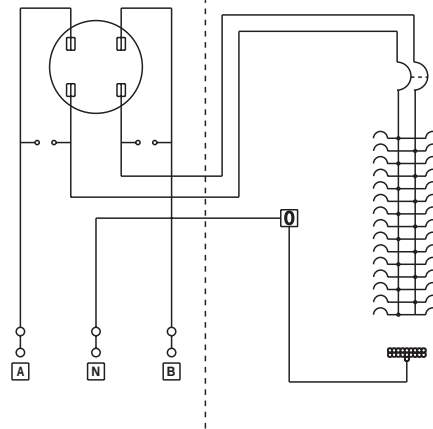
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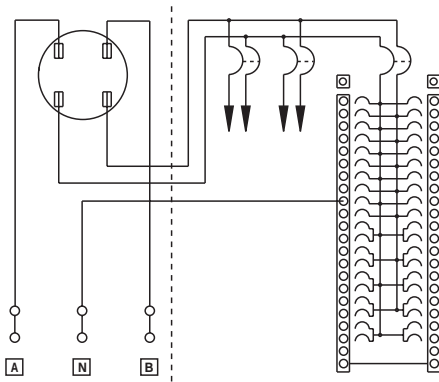
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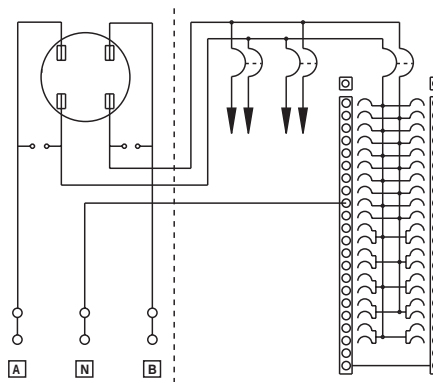
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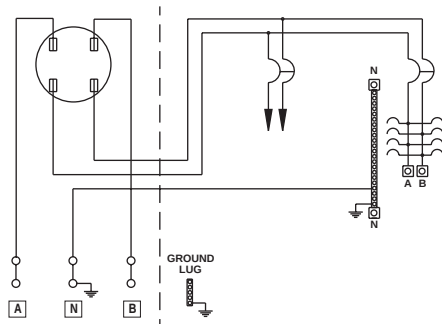
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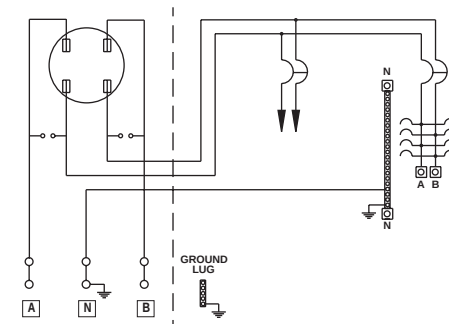
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Catalog #
U4042208MC



Catalog #
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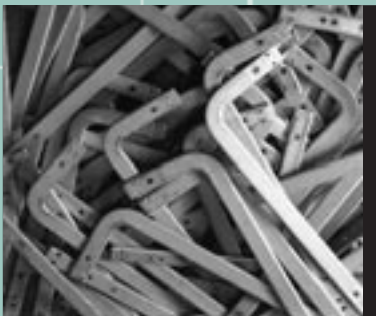
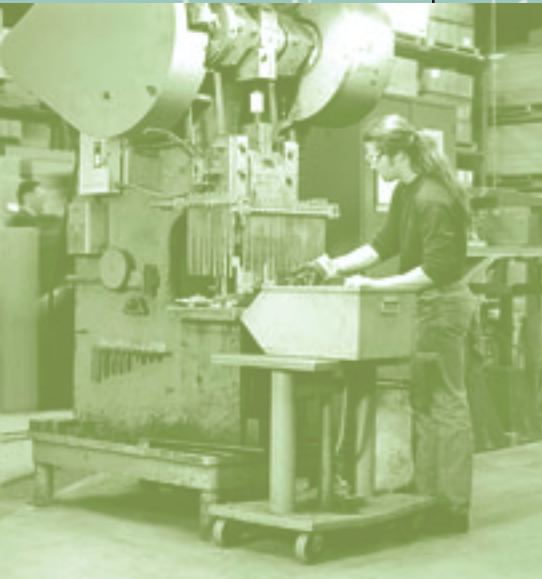
Notes

UTILITY / CURRENT TRANSFORMER METERING

COOPER B-Line



121413



B-Line



**051HS 13****APPLICATION**

- Single meter position
- Designed to receive watt-hour positions that meet ANSI C12.10
- For use with separate CT enclosure
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- AW hub provision
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

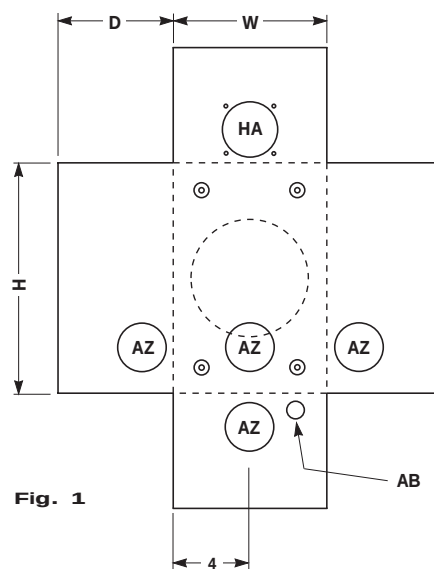
ACCESSORIES

- Screw type sealing ring — catalog #25016D
- AW hubs
- Steel or clear lexan covers for socket opening

Overhead / Underground—Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
924MS77 *	NONE	20	20	600	1Ø	4	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
925	NONE	20	20	600	1Ø	5	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
926	NONE	20	20	600	1Ø	6	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
928	NONE	20	20	600	1Ø or 3Ø	8	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
051HS 13	NONE	20	20	600	3Ø	13	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8
051HS 15	NONE	20	20	600	3Ø	15	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	12	8	4 5/8

*MS77 = 1" Hub installed


Knockouts — Conduit Sizes

$AB = \frac{1}{2}"$
 $AZ = 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}" - 1"$
 $HA = AW \text{ HUB}$

**121413****APPLICATION**

- Single meter position
- Designed to receive watt-hour positions that meet ANSI C12.10
- For use with separate CT enclosure
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- Test switch provisions
- Available with installed pre-wired test switches – add prefix “W” to catalog number
- AW hub provision
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

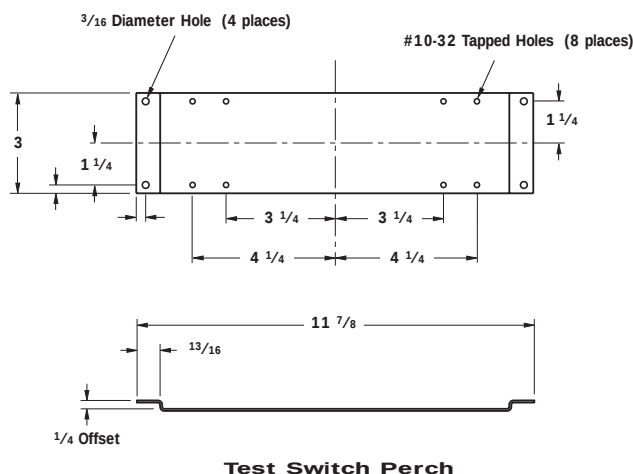
ACCESSORIES

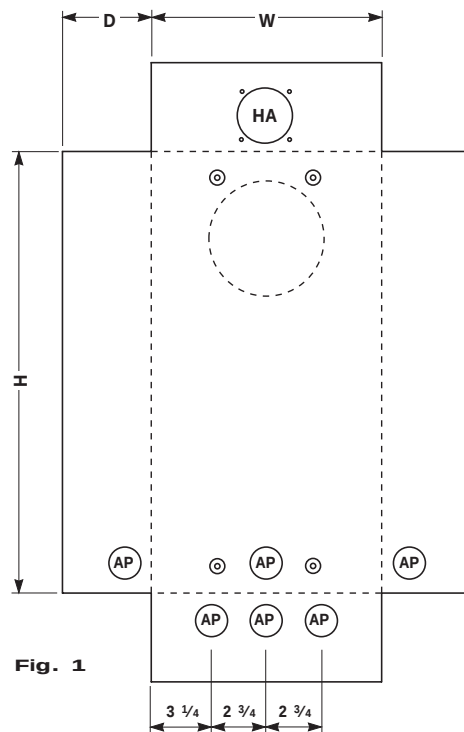
- Screw type sealing ring — catalog #25016D
- AW hubs
- Steel or clear lexan covers for socket openings

Overhead / Underground–Surface Mount

CATALOG* NUMBER	MAIN DISCONNECT	AMPACITY		VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
		MAX.	CONT.					ALL TERMINALS	GROUNDING TERMINAL		HEIGHT (H)	WIDTH (W)	DEPTH (D)
12144	NONE	20	20	600	1Ø	4	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	12	4 5/8
12145	NONE	20	20	600	1Ø	5	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	12	4 5/8
12146	NONE	20	20	600	1Ø	6	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	12	4 5/8
12148	NONE	20	20	600	1Ø or 3Ø	8	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	12	4 5/8
121413	NONE	20	20	600	3Ø	13	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	12	4 5/8
121415	NONE	20	20	600	3Ø	15	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	12	4 5/8

* New reversible test switch perch allows test switch installation at two heights




Fig. 1
Knockouts — Conduit Sizes

AP = 1 1/4" - 1" - 3/4" - 1/2"
HA = AW HUB

Test Switch Perch Instructions

Drawing 1

Drawing 2

Drawing 3

To offset test switch perch so that additional space is available for the use of a test switch cover, see instructions below.

1. Remove (4) screws that hold the perch to the enclosure (see Drawing 1)

2. Flip perch over as shown (see Drawing 2)

3. Now use the screws you removed in step one and screw the perch to the enclosure, torque screws to 35 in./lbs. (see Drawing 3)

Utility / Current Transformer Metering

20 Amp /Current Transformer Rated Dual-Position With Test Switch Provision



1214213

APPLICATION

- 2 meter positions
- Designed to receive watthour positions that meet ANSI C12.10
- For use with separate CT enclosure
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- Test switch provisions
- Available with installed pre-wired test switches – add prefix “W” to catalog number
- Phase shifting transformer provisions
- AW hub provision
- Ring style
- Snap type sealing ring included

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

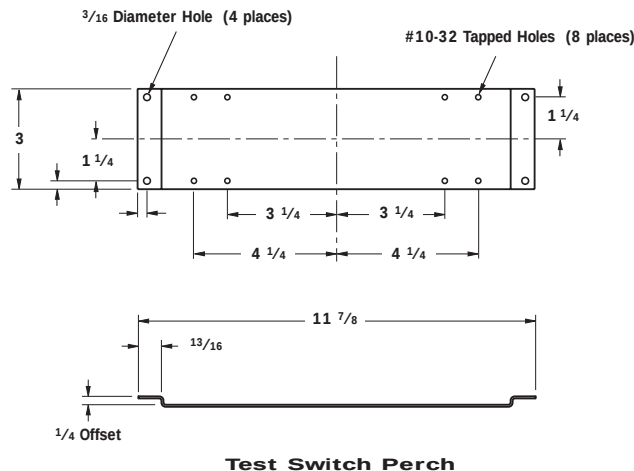
- ANSI 61 gray acrylic electrocoat finish

FINISH

- Screw type sealing ring — catalog #25016D
- AW hubs
- Steel or clear lexan covers for socket openings

Overhead / Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	AMP/CAPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
								ALL TERMINALS	GROUNDING TERMINAL		HEIGHT (H)	WIDTH (W)	DEPTH (D)
1214208	NONE	20	20	600	1Ø or 3Ø	8	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	24 3/8	4 5/8
1214213	NONE	20	20	600	3Ø	13	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	24 3/8	4 5/8
1214215	NONE	20	20	600	3Ø	15	AW	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	20	24 3/8	4 5/8



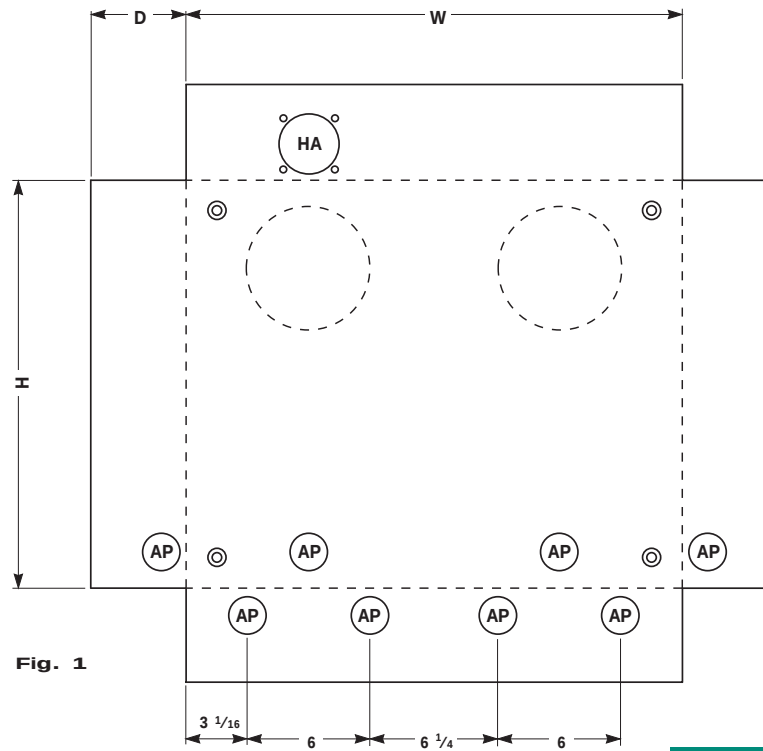


Fig. 1

Knockouts — Conduit Sizes

AP = 1 1/4" – 1" – 3/4" – 1/2"
 HA = AW HUB

Test Switch Perch Instructions

Drawing 1



Drawing 2



Drawing 3

To offset test switch perch so that additional space is available for the use of a test switch cover, see instructions below.

1. Remove (4) screws that hold the perch to the enclosure (see Drawing 1)
2. Flip perch over as shown (see Drawing 2)
3. Now use the screws you removed in step one and screw the perch to the enclosure, torque screws to 35 in/lbs. (see Drawing 3)

**121814****APPLICATION**

- Single meter positions
- Designed to receive watthour positions that meet ANSI C12.10
- Combination CT/meter enclosure
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- Removable test switch perch
- CT mounting base provision
- H-base hub provision – overhead only
- Ring style
- Snap type sealing ring included
- Cover has newly designed fixed handles (not shown)

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

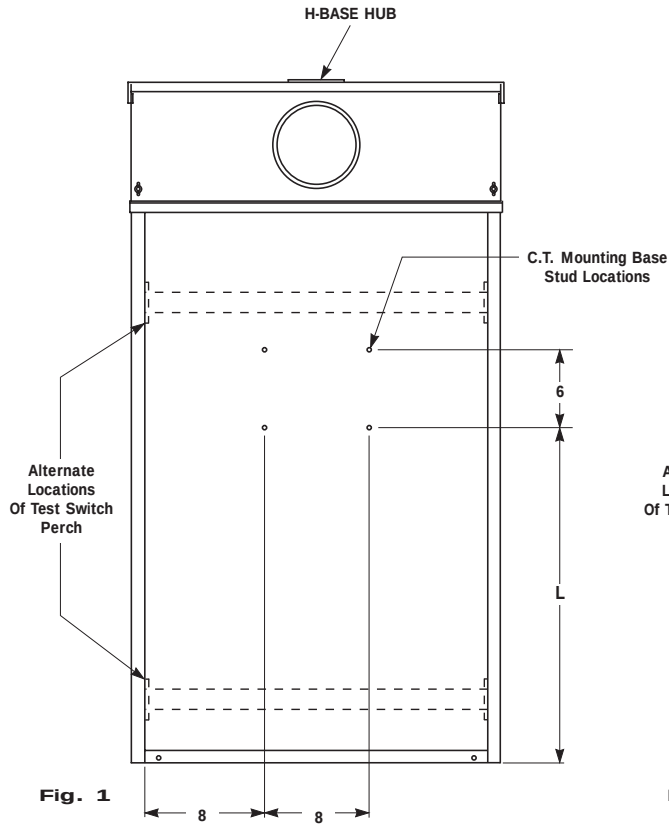
- Screw type sealing ring — catalog #25016D
- H-base hubs
- Steel or clear lexan covers for socket openings
- CT mounting bases
- 5th jaw kit — catalog #50371

Overhead / Underground–Surface Mount

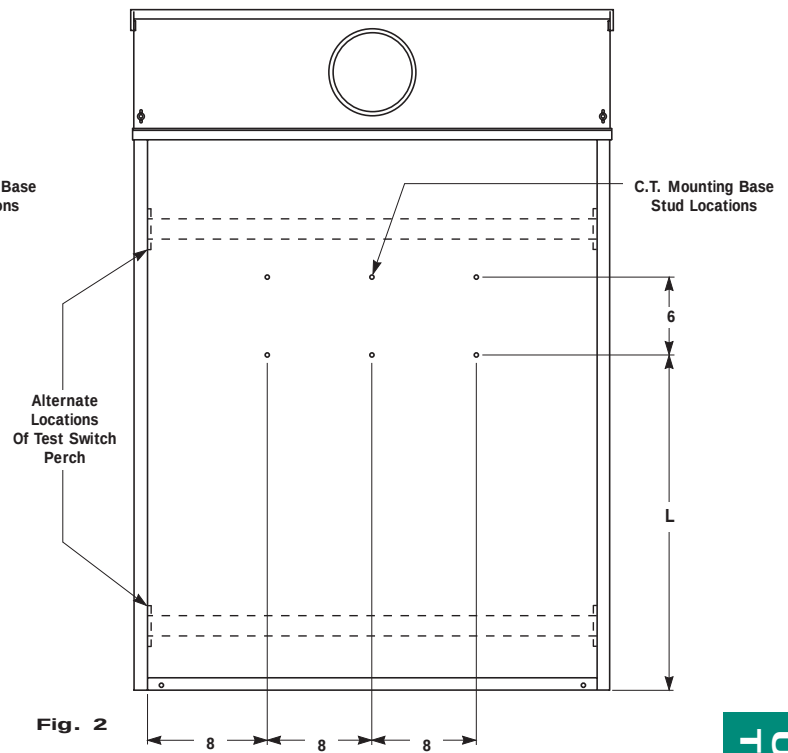
CATALOG NUMBER	MAIN DISCONNECT	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)			
								ALL TERMINALS	GROUNDING TERMINAL		HEIGHT (H)	WIDTH (W)	DEPTH (D)	(L)
121814	NONE	20	20	600	1Ø	4	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	42	24	11	15 1/16
121815	NONE	20	20	600	1Ø	5	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	42	24	11	15 1/16
121816	NONE	20	20	600	1Ø	6	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	42	24	11	15 1/16
121818	NONE	20	20	600	1Ø	8	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	42	24	11	15 1/16
122013	NONE	20	20	600	3Ø	13	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 2	42	36	11	15 1/16
122015	NONE	20	20	600	3Ø	15	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 2	42	36	11	15 1/16
122018	NONE	20	20	600	1Ø or 3Ø	8	H	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 2	42	36	11	15 1/16

Underground–Surface Mount

CATALOG NUMBER	MAIN DISCONNECT	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)			
								ALL TERMINALS	GROUNDING TERMINAL		HEIGHT (H)	WIDTH (W)	DEPTH (D)	(L)
U121814	NONE	20	20	600	1Ø	4	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	52	24	11	25 1/16
U121815	NONE	20	20	600	1Ø	5	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	52	24	11	25 1/16
U121816	NONE	20	20	600	1Ø	6	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	52	24	11	25 1/16
U121818	NONE	20	20	600	1Ø or 3Ø	8	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 1	52	24	11	25 1/16
U122013	NONE	20	20	600	3Ø	13	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 2	52	36	11	25 1/16
U122015	NONE	20	20	600	3Ø	15	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 2	52	36	11	25 1/16
U122018	NONE	20	20	600	1Ø or 3Ø	8	NONE	14 AWG - 10 AWG	14 AWG - 2/0 AWG	Fig. 2	52	36	11	25 1/16

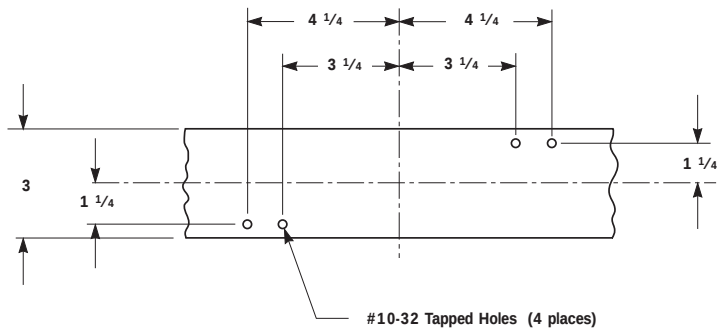


Accepts 6019xx Series C.T. Mounting Bases
see pages 110 & 111

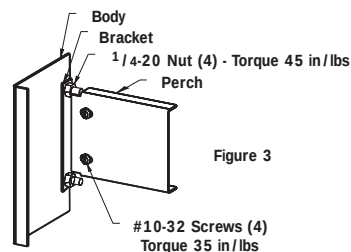
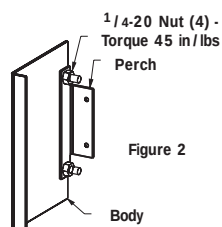
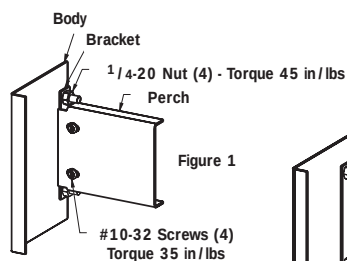


Accepts 6019xx Series and 6067xx Series C.T. Mounting Bases
see pages 110 & 111

Test Switch Perch



Test Switch Perch Instructions



This enclosure is assembled with the test switch installed at a factory offset distance from the cover (see Figure 1). If a greater offset is desired, follow these instructions:

1. Loosen and remove the screws holding the perch to the bracket, remove the perch. Loosen and remove the nuts on the bracket studs. (See Figure 1)
2. Remove and rotate the brackets 180 degrees and relocate back onto bracket studs. (See Figure 2) Then fasten the nuts back on the bracket studs and torque them to 45 in/lbs.
3. Place the perch on the brackets and fasten with the screws, and torque screws to 35 in/lbs. (See Figure 3)

**18249 RTCT****APPLICATION**

- Designed to house current transformers that meet ANSI C12.11
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

CONSTRUCTION

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for Utility current transformer mounting equipment, (see table)
- Cover is held secure by sliding it under the top end flange and fastening it to the bottom end and side flanges
- Cover mounting studs and wing nuts have a Utility sealing hole provision as well as a padlocking provision for sealing the cover to the enclosure
- Enclosures 36 inches wide x 42 inches high and larger have two overlapping covers
- Ground lug is mounted on the inside bottom end of each cabinet
- Cover has newly designed fixed handles (not shown)

STANDARDS

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R

FINISH

- ANSI 61 gray acrylic electrocoat finish

Type 3R Enclosures

CATALOG NUMBER	DIMENSIONS (INCHES)			GAUGE	DIMENSIONS (INCHES)				FIGURE NUMBER
	HEIGHT (H)	WIDTH (W)	DEPTH (D)		A	B	C	E	
18249 RTCT	24	18	9	16	--	--	--	--	Fig. 1
24329 RTCT	32	24	9	14	--	--	--	--	Fig. 1
242411 RTCT	24	24	11	14	9	8	8	--	Fig. 1
243011 RTCT	30	24	11	14	12	8	8	--	Fig. 1
243611 RTCT	36	24	11	14	15	8	8	--	Fig. 1
244811 RTCT	48	24	11	14	21	8	8	--	Fig. 1
303011 RTCT	30	30	11	12	12	7	8	8	Fig. 1
303611 RTCT	36	30	11	12	15	7	8	8	Fig. 1
363611 RTCT	36	36	11	12	15	10	8	8	Fig. 1
364211 RTCT	42	36	11	12	18	10	8	8	Fig. 1
364811 RTCT	48	36	11	12	21	10	8	8	Fig. 1
424211 RTCT	42	42	11	12	18	13	8	8	Fig. 1
484811 RTCT *	48	48	11	12	--	--	--	--	Fig. 1
303614 RTCT	36	30	14	12	15	7	8	8	Fig. 1
364814 RTCT	48	36	14	12	21	10	8	8	Fig. 1

Notes:

- 9" deep enclosures are for donut type C.T. s - no studs
- 24" wide, 11" deep enclosures accept 6019xx series C.T. Mounting Bases - see pages 110 & 111
- 30" and wider enclosures accept 6019xx & 6067xx series C.T. Mounting Bases - see pages 110 & 111
- Consult local utility for minimum sizes of C.T. enclosure requirements.

* Mounting studs not included

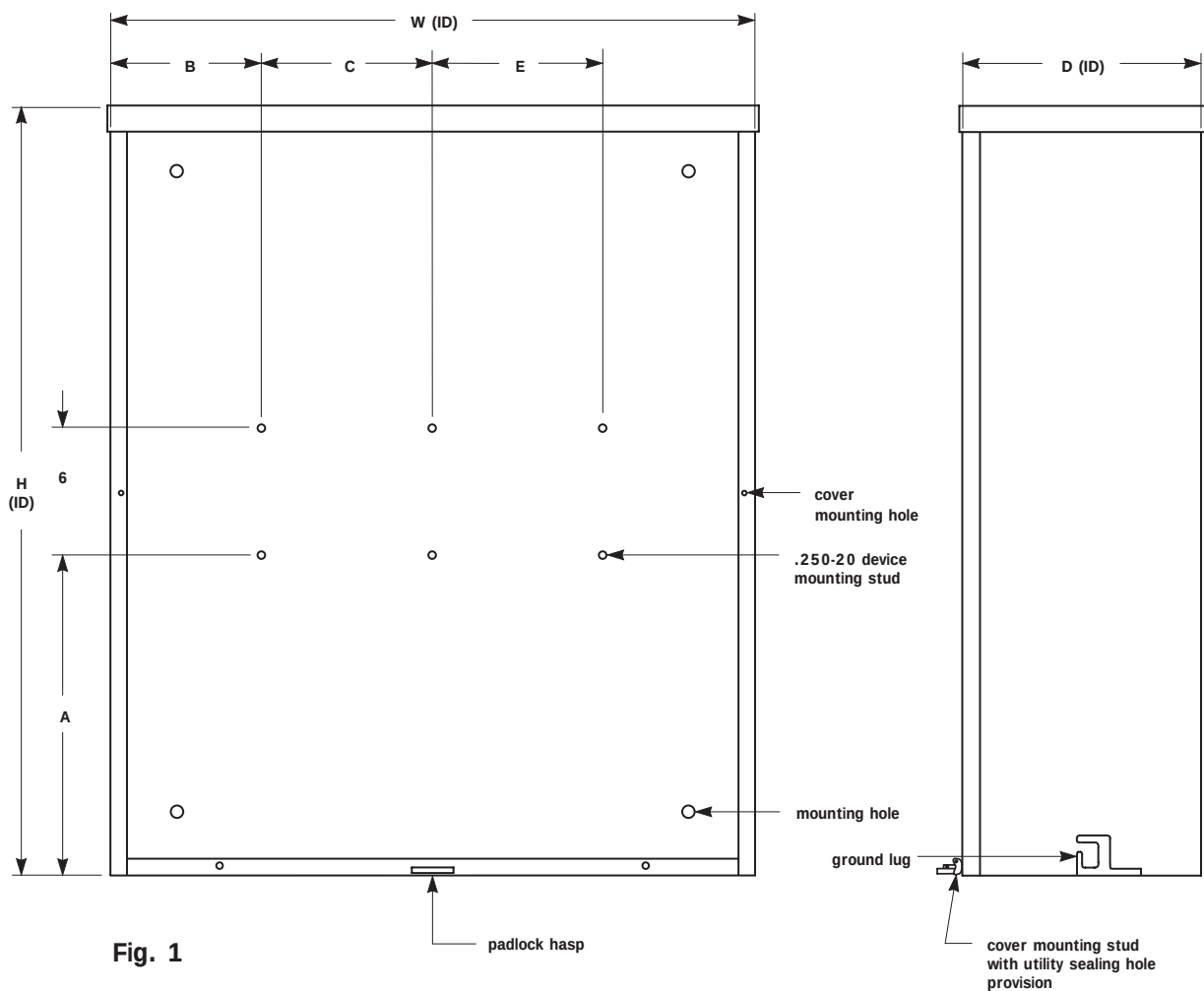


Fig. 1



364811HRTCT

APPLICATION

- Designed to house current transformers that meet ANSI C12.11
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

CONSTRUCTION

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for utility current transformer mounting equipment, (see table)
- Covers are secured to the body with a heavy-duty slip-hinge on the left side and mounting studs and wing nuts with Utility sealing hole provisions on the opposite side
- Covers are completely removable when in the open position
- Cover has newly designed fixed handles (not shown)
- Ground lug is mounted on the inside bottom end of each cabinet
- Pad-lockable hasp

STANDARDS

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R

FINISH

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Type 3R Enclosures

CATALOG NUMBER	DIMENSIONS (INCHES)			GAUGE	DIMENSIONS (INCHES)				FIGURE NUMBER
	HEIGHT (H)	WIDTH (W)	DEPTH (D)		A	B	C	E	
203611 HRTCT	36	20	11	14	--	--	--	--	Fig. 1
243011 HRTCT	30	24	11	14	12	8	8	--	Fig. 1
244811 HRTCT	48	24	11	14	21	8	8	--	Fig. 1
303611 HRTCT	36	30	11	12	15	7	8	8	Fig. 1
304811 HRTCT	48	30	11	12	21	7	8	8	Fig. 1
363611 HRTCT	36	36	11	12	15	10	8	8	Fig. 1
364811 HRTCT	48	36	11	12	21	10	8	8	Fig. 1
484814DD HRTCT	48	48	14	12	16	21	8	8	Fig. 2

← No Studs for donut type CT's.

Notes:

- 24" wide, 11" deep enclosures accept 6019xx series C.T. Mounting Bases - see pages 110 & 111
- 30" and wider enclosures accept 6019xx & 6067xx series C.T. Mounting Bases - see pages 110 & 111
- Consult local utility for minimum sizes of C.T. enclosure requirements

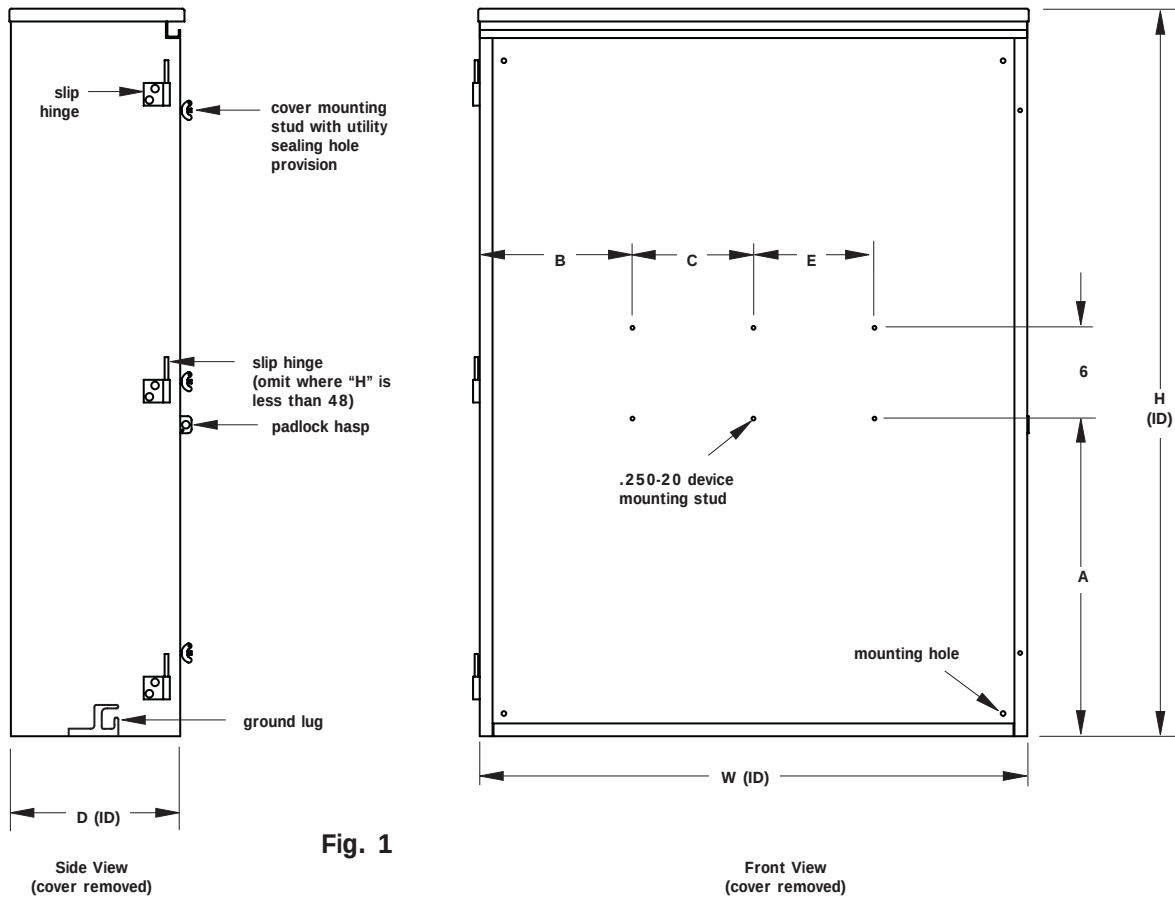


Fig. 1

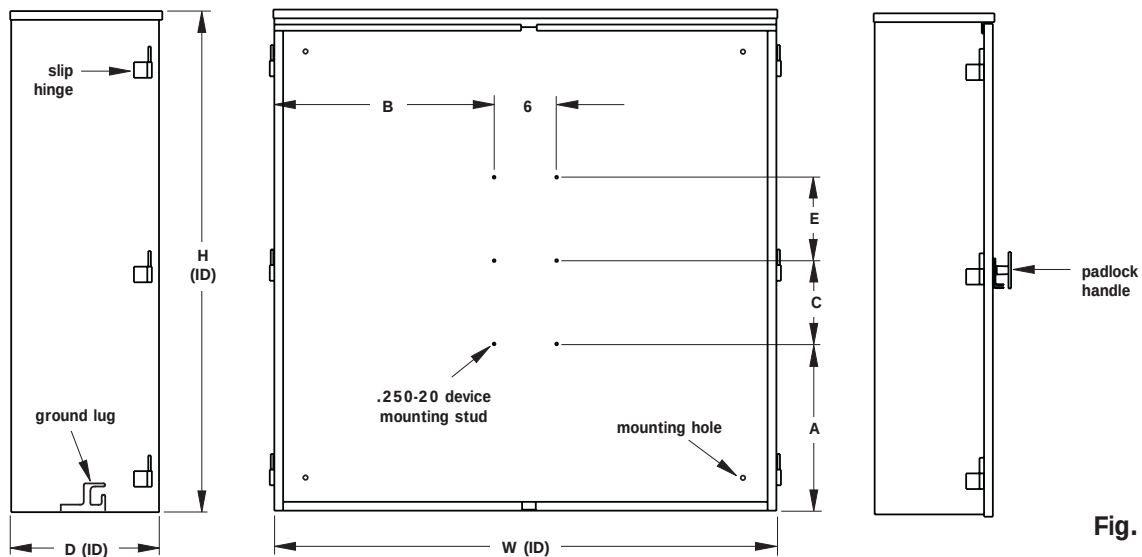
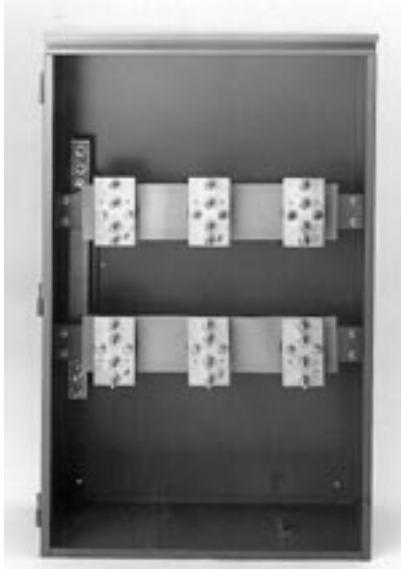


Fig. 2

Utility / Current Transformer Metering**800 Amp / 50K AIC / Bussed Current Transformer Enclosure****803 HEE****APPLICATION**

- For remote metering when main service is 201-800 amps
- For use with utility supplied bar type current transformers that meet ANSI C12.11

CONSTRUCTION

- Type 3R construction
- Removable hinged door with sealing provision
- Cover has newly designed fixed handles (not shown)

STANDARDS

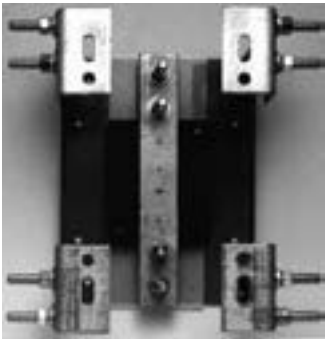
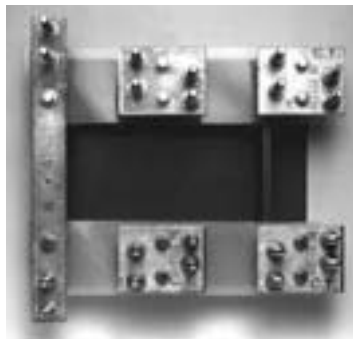
- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

Overhead / Underground–Surface Mount

CATALOG NUMBER	AIC RATING	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	CONDUCTOR LUG RANGE		DIMENSIONS (INCHES)		
						PHASE CONDUCTOR LINE/LOAD	NEUTRAL CONDUCTOR	HEIGHT (H)	WIDTH (W)	DEPTH (D)
803 HEE	50K	800	800	600	3Ø 4W	STUDS	STUDS	48	30	12

Utility / Current Transformer Metering**400-800 Amp / 10K & 50K AIC / Bussed Current Transformer Mounting Base****6019A****6019HA****APPLICATION**

- For use with CT rated metering enclosures
- For use with bar type CT that meet ANSI C12.11
- 1/2" studs on 13/4" centers - line & load

STANDARDS

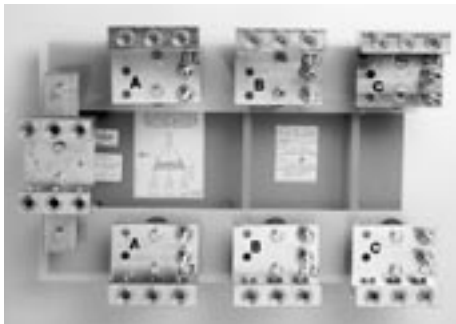
- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish (mounting plate only)

Overhead / Underground–Surface Mount

CATALOG NUMBER	AIC RATING	# OF C.T. PROVISIONS	AMPACITY CONT.	VOLTAGE MAX.	SERVICE TYPE	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	MIN. SIZE ENCLOSURE
						PHASE CONDUCTOR LINE	LOAD		
6019A	10K	2	400	600	1Ø or 3Ø 3W	STUDS	STUDS	STUDS	24"
6019HA	50K	2	400	600	1Ø or 3Ø 3W	STUDS	STUDS	STUDS	24"
6019E	10K	2	800	600	1Ø or 3Ø 3W	STUDS	STUDS	STUDS	24"
6019HE	50K	2	800	600	1Ø or 3Ø 3W	STUDS	STUDS	STUDS	24"
6067A	10K	3	400	600	3Ø 3W or 4W	STUDS	STUDS	STUDS	30"
6067HA	50K	3	400	600	3Ø 3W or 4W	STUDS	STUDS	STUDS	30"
6067EE	10K	3	800	600	3Ø 3W or 4W	STUDS	STUDS	STUDS	30"
6067HEE	50K	3	800	600	3Ø 3W or 4W	STUDS	STUDS	STUDS	30"



6067 HEEL

APPLICATION

- For use with CT rated metering enclosures
- For use with bar type CT that meet ANSI C12.11
- Integral mechanical lugs - line & load

STANDARDS

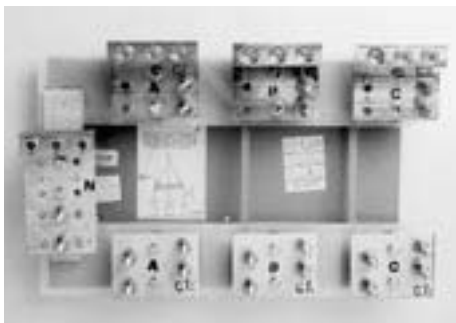
- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish (mounting plate only)

Overhead / Underground-Surface Mount

CATALOG NUMBER	AIC RATING	# OF C.T. PROVISIONS	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	CONDUCTOR LUG RANGE	
							LUG WIRE RANGE LINE & LOAD	
6019 HAL	50K	2	400	400	600	1Ø or 3Ø/3W	(1) 4 AWG - 600kcmil or (2) 1/0 - 250kcmil	
6019 HEL	50K	2	800	800	600	1Ø or 3Ø/3W	(3) 4 AWG - 600kcmil or (6) 1/0 - 250kcmil	
6067 HAL	50K	3	400	400	600	3Ø 4W	(1) 4 AWG - 600kcmil or (2) 1/0 - 250kcmil	
6067 HEEL	50K	3	800	800	600	3Ø 4W	(3) 4 AWG - 600kcmil or (6) 1/0 - 250kcmil	



6067 HEELS

APPLICATION

- For use with CT rated metering enclosures
- For use with bar type CT that meet ANSI C12.11
- Studs line side - lugs load side
- 1/2" studs on 1 3/4" centers

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish (mounting plate only)

Overhead / Underground-Surface Mount

CATALOG NUMBER	AIC RATING	# OF C.T. PROVISIONS	AMPACITY MAX.	CONT.	VOLTAGE	SERVICE TYPE	CONDUCTOR LUG RANGE	
							LINE	LUG WIRE RANGE LOAD
6019 HALS	50K	2	400	400	600	1Ø or 3Ø/3W	STUDS	(1) 4 AWG - 600kcmil or (2) 1/0 - 250kcmil
6019 HELS	50K	2	800	800	600	1Ø or 3Ø/3W	STUDS	(3) 4 AWG - 600kcmil or (6) 1/0 - 250kcmil
6067 HALS	50K	3	400	400	600	3Ø 4W	STUDS	(1) 4 AWG - 600kcmil or (2) 1/0 - 250kcmil
6067 HEELS	50K	3	800	800	600	3Ø 4W	STUDS	(3) 4 AWG - 600kcmil or (6) 1/0 - 250kcmil

**360****360****APPLICATION**

- Used primarily in special metering applications involving self-contained or CT metering

CONSTRUCTION

- Type 3R construction
- For connected motor loads up to and including 60 Horsepower at 480 volts
- 24H x 14W x 10D
- Hinged viewing window
- Includes brackets for pole mounting
- AW hub provision
- 3/4 inch plywood backboard

FINISH

- ANSI 61 gray acrylic electrocoat finish

STANDARDS

- Not UL listed

**345****345 & 351****APPLICATION**

- Used primarily in special metering applications involving self-contained "A" base metering or CT metering

CONSTRUCTION

- Type 3R construction
- 345: 24H x 18W x 11D
- 351: 30H x 24W x 11D
- Hinged door with padlock provision
- 3/4 inch plywood backboard

FINISH

- ANSI 61 gray acrylic electrocoat finish

STANDARDS

- Not UL listed

**352****352 & 353D****APPLICATION**

- Used primarily in special metering applications involving self-contained or CT metering

CONSTRUCTION

- Type 3R construction
- 28H x 28W x 11D
- Door hinged on right with padlock provision at left – 352 only
- Hinged, utility sealable meter window(s): 1 in 352 – 3 in 353D

FINISH

- ANSI 61 gray acrylic electrocoat finish

STANDARDS

- Not UL listed

**420 & 415H****420 & 415H****APPLICATION**

- Used primarily in special metering applications involving CT metering

CONSTRUCTION

- Type 3R construction
- 48H x 34W x 13D
- Double-doors with sealable 3-pt latch handle
- 3/4 inch plywood backboard

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Equipment mounting racks, catalog #415 (33 x 36), 415H (26 x 28)

STANDARDS

- Not UL listed

**421****422****421 & 422****APPLICATION**

- Used primarily in special metering applications involving CT metering

CONSTRUCTION

- Type 3R construction
- 48H x 34W x 13D
- Double-doors with sealable 3-pt latch handle
- Hinged, utility sealable meter window(s): 1 in 421 – 2 in 422
- 3/4 inch plywood backboard

FINISH

- ANSI 61 gray acrylic electrocoat finish

STANDARDS

- Not UL listed

Notes

COOPER B-Line



MULTIPLE METERING



2012 F



B-Line



Multiple Horizontal Indoor Metering**100 Amp Self-Contained Gangable Socket / 225 Amp Main Bus****172HSHDB****APPLICATION**

- For indoor horizontal ganging of meter sockets
- 1 - 4 meter positions
- Designed to receive watthour meters that meet ANSI C12.10

CONSTRUCTION

- Type 1 construction
- 225amp main bus
- Includes snap type sealing rings and removable ends
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Ends — catalog #171E
- Extension pull box — catalog #171 EXT
- Connecting link kit — catalog #LK171B
- Steel or clear lexan covers for socket openings
- 5th jaw kit — catalog #50365

Surface Mount

Surface Mount						CONDUCTOR LUG RANGE							DIMENSIONS (INCHES)			
CATALOG NUMBER	No. OF POS.	AIC RATING	MAIN BUS AMPACITY	SOCKET MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	PHASE CONDUCTOR		NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
171HS	1	†	225	125	100	600	1Ø 3W	4	NONE	14 AWG - 2/0 AWG	14 AWG - 2/0 AWG	14 AWG - 1/0 AWG	Fig. 1	12	12	4 ½
172HSHDB	2	†	225	125	100	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 2	12	24	4 ½
173HSHDB	3	†	225	125	100	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 3	12	36	4 ½
174HSHDB	4	†	225	125	100	600	1Ø 3W	4	NONE	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 4	12	48	4 ½

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 140.

Multiple Horizontal Indoor Metering

100 Amp Self-Contained Gangable Socket / 225 Amp Main Bus

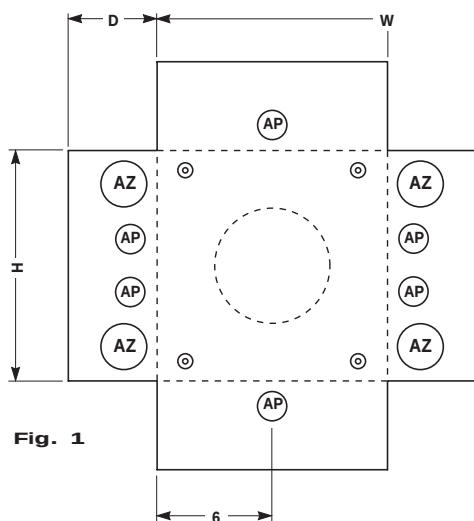


Fig. 1

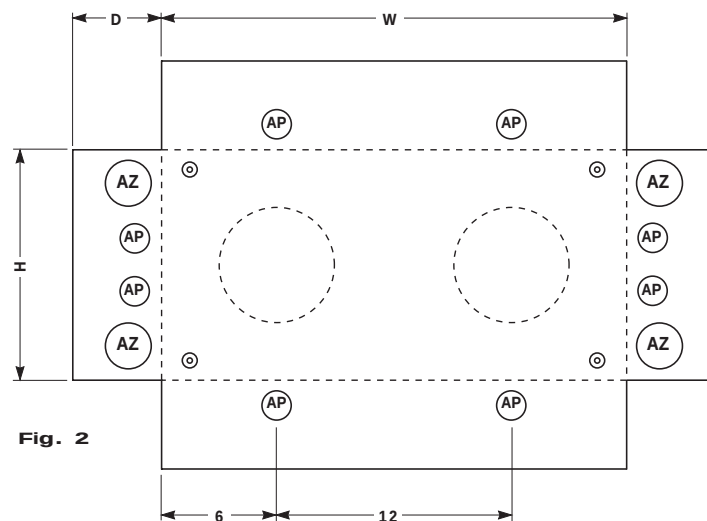


Fig. 2

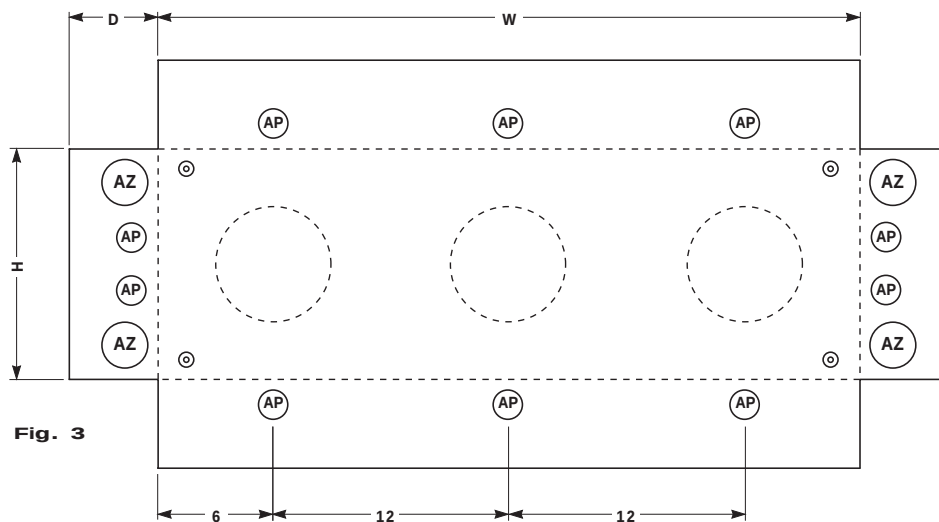


Fig. 3

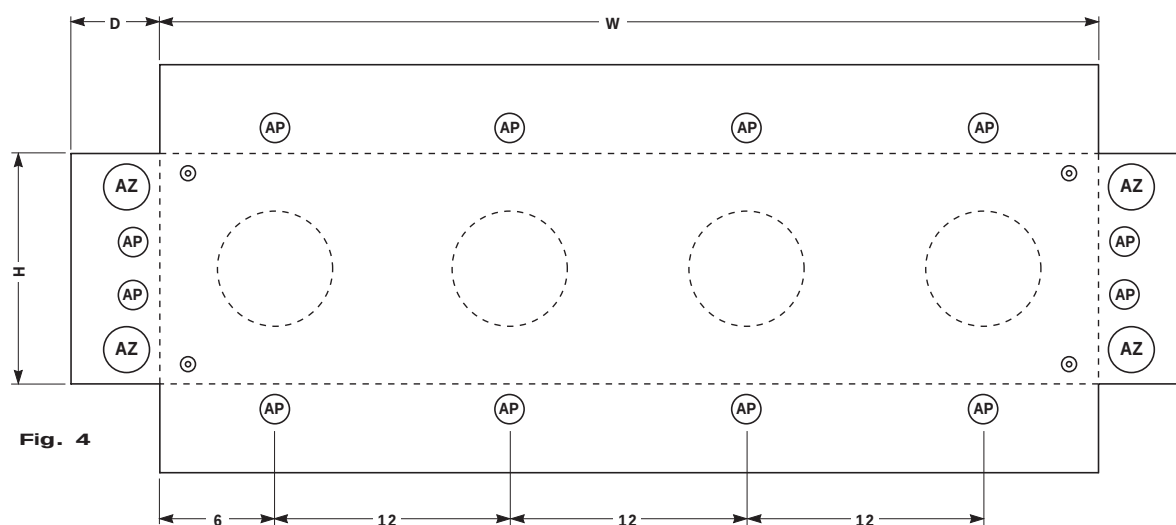


Fig. 4

Knockouts — Conduit Sizes

AP = 1 1/4" - 1" - 3/4" - 1/2"

AZ = 2" - 1 1/2" - 1 1/4" - 1"

Multiple Vertical Metering**100 Amp Self-Contained Ganged Socket / 225-400 Amp Main Bus****012****APPLICATION**

- For vertical multi-meter installations
- 1 - 6 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- Removable cover channel (014-016H)
- Hub provision (see table for type)
- 225amp main bus, 400amp on "H" units
- 5th jaw provision at nine o'clock
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

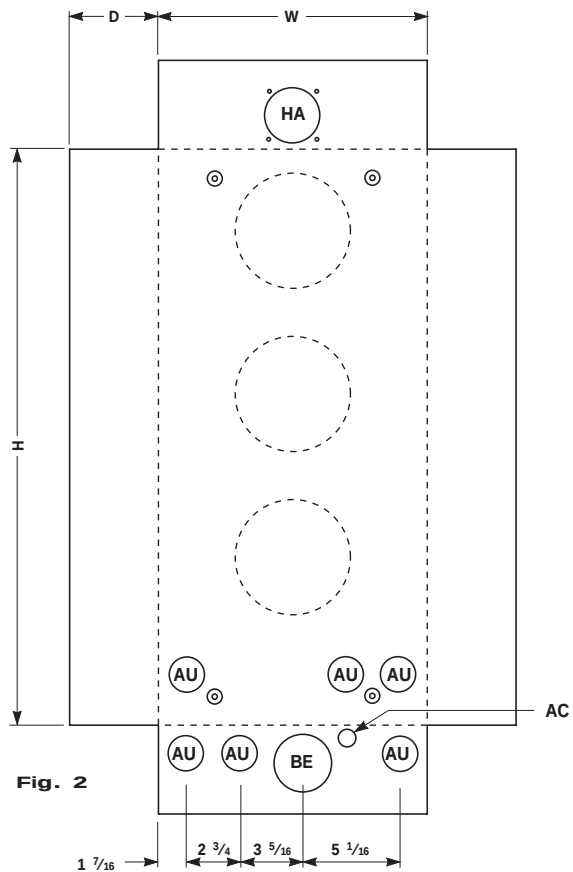
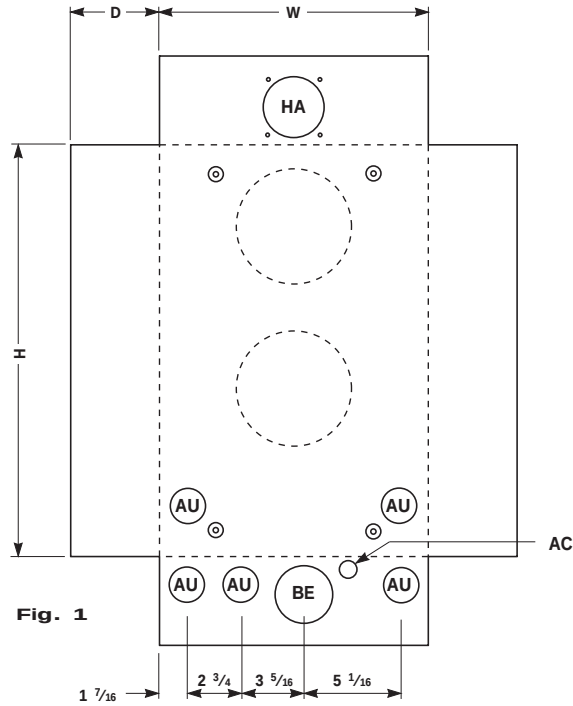
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Hubs
- 5th jaw kit — catalog #50365

Overhead / Underground-Surface Mount

CATALOG NUMBER	No. OF POS.	AIC RATING	MAIN BUS AMPACITY	SOCKET MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			FIGURE NUMBER	DIMENSIONS (INCHES)		
										PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
012	2	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	14 AWG - 1/0 AWG	Fig. 1	21 ½	14	4 ⅝
013	3	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 2	30	14	4 ⅝
014	4	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 3	21 ½	24 ⅝	4 ⅝
014H	4	†	400	125	100	600	1Ø 3W	4	H	4 AWG - 600 kcmil	14 AWG - 2/0 AWG	4 AWG - 600 kcmil or (2) 1 AWG - 250 kcmil	Fig. 4	21 ½	32 ½	4 ⅝
015	5	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 5	30	24 ⅝	4 ⅝
015H	6	†	400	125	100	600	1Ø 3W	4	H	4 AWG - 600 kcmil	14 AWG - 2/0 AWG	4 AWG - 600 kcmil or (2) 1 AWG - 250 kcmil	Fig. 6	30	32 ½	6
016	6	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 7	30	24 ⅝	4 ⅝
016H	6	†	400	125	100	600	1Ø 3W	4	H	4 AWG - 600 kcmil	14 AWG - 2/0 AWG	4 AWG - 600 kcmil or (2) 1 AWG - 250 kcmil	Fig. 8	30	32 ½	6

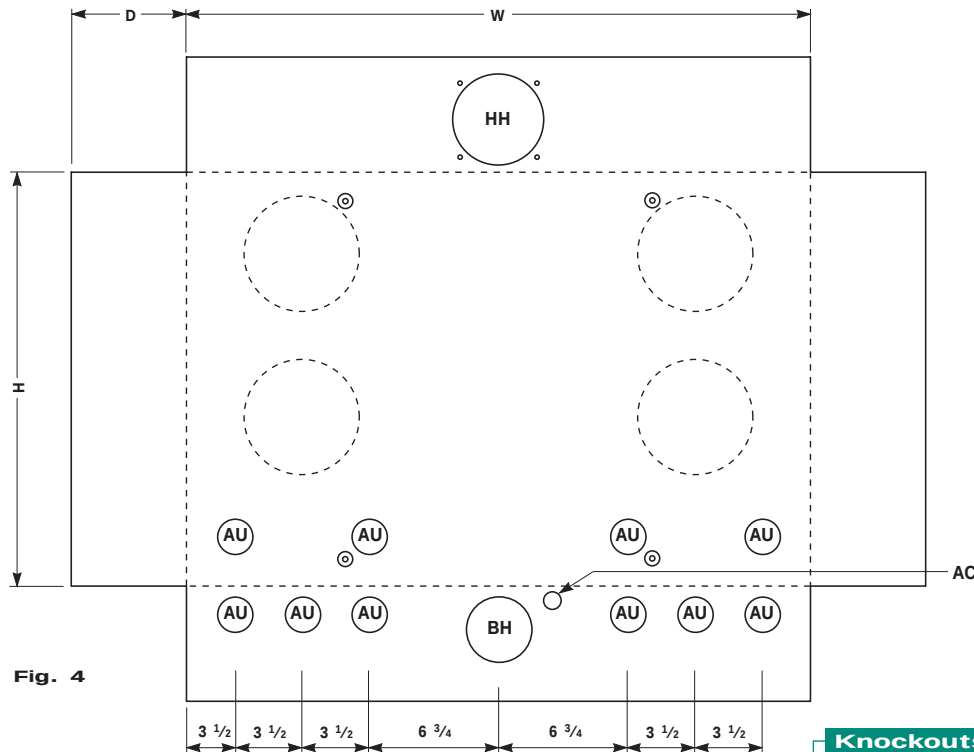
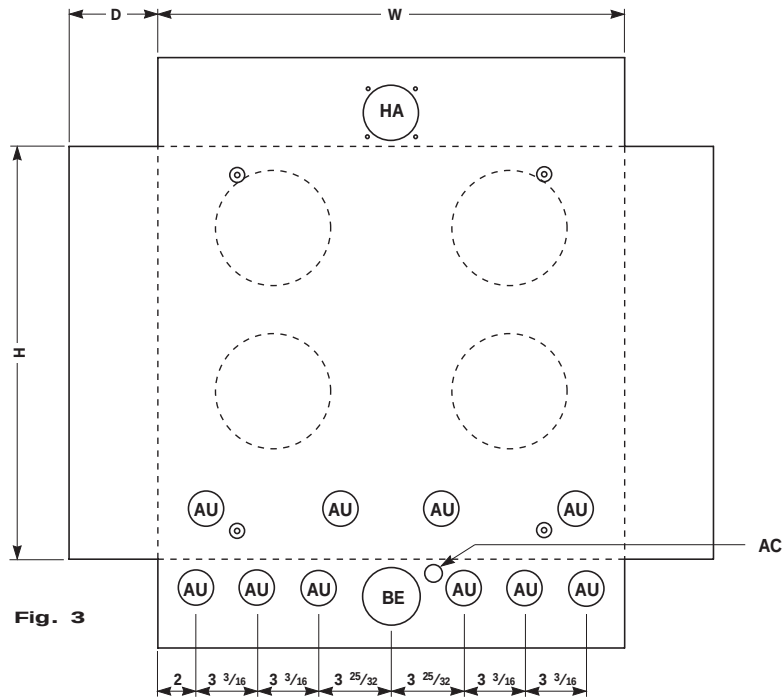
† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 140.

Note: For flush mounting kits, see page 163



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 AU = $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ " - 1" - $\frac{3}{4}$ "
 BE = $2 \frac{1}{2}$ " - 2" - $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ "
 HA = AW HUB



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1" - $\frac{3}{4}$ "
 BE = $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "
 BH = 3" - $2\frac{1}{2}$ "
 HA = AW HUB
 HH = H-BASE HUB

Multiple Vertical Metering

100 Amp Self-Contained Ganged Socket / 225-400 Amp Main Bus

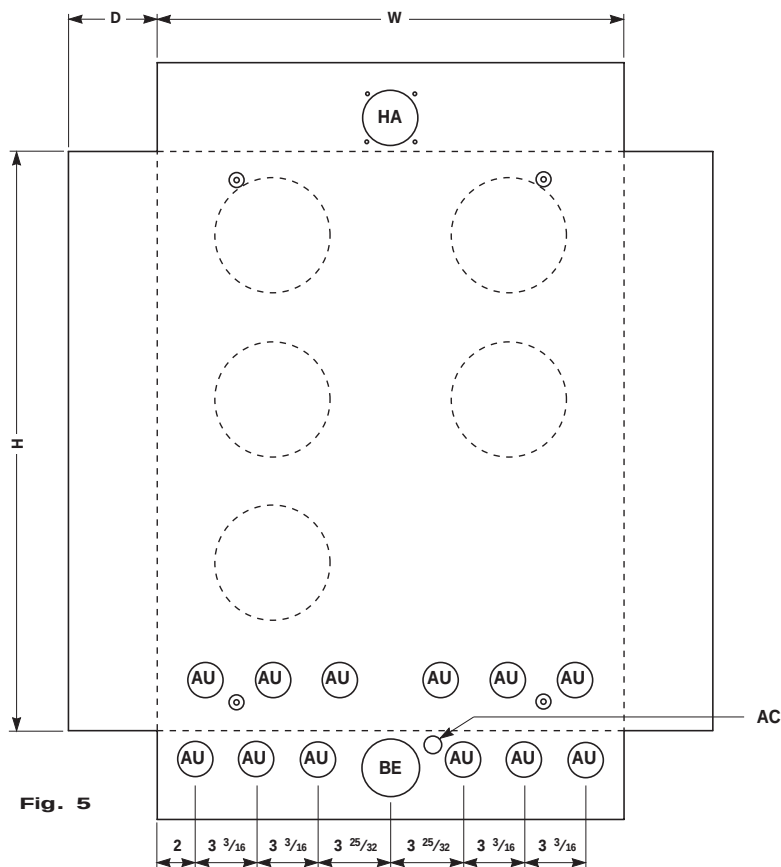


Fig. 5

Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "

AU = $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ " - 1 " - $\frac{3}{4}$ "

BE = $2 \frac{1}{2}$ " - 2 " - $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ "

BH = 3 " - $2 \frac{1}{2}$ "

HA = AW HUB

HH = H-BASE HUB

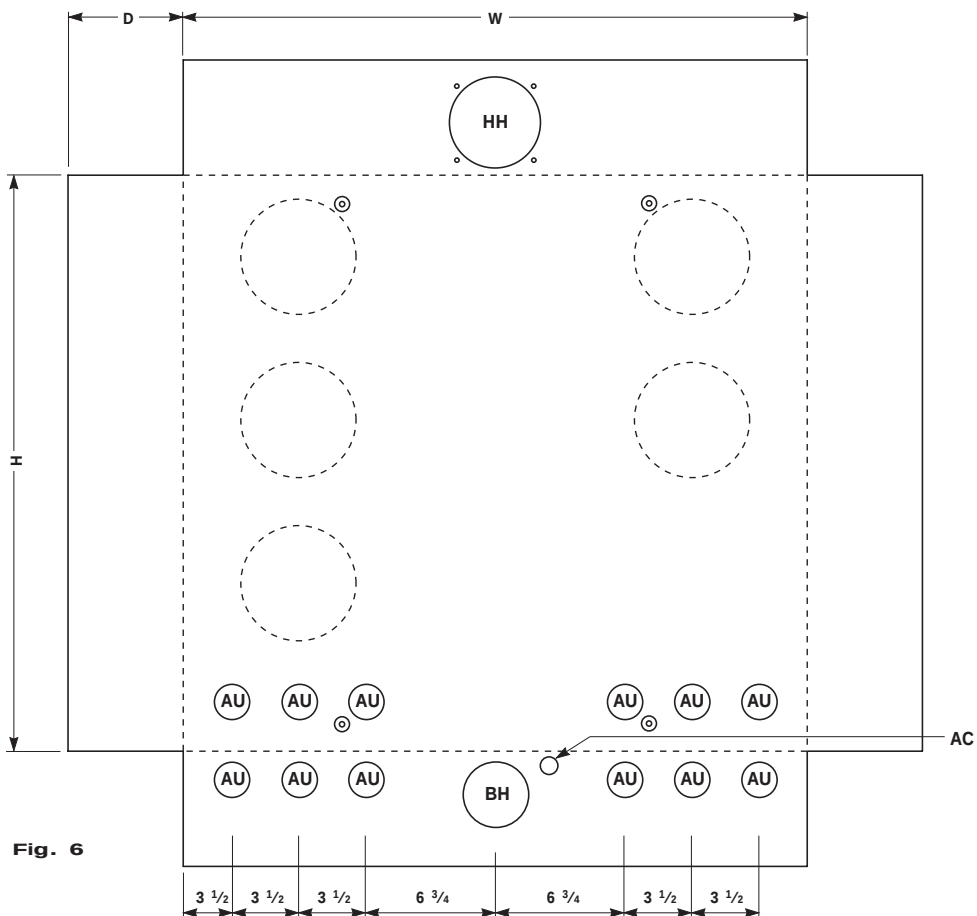


Fig. 6

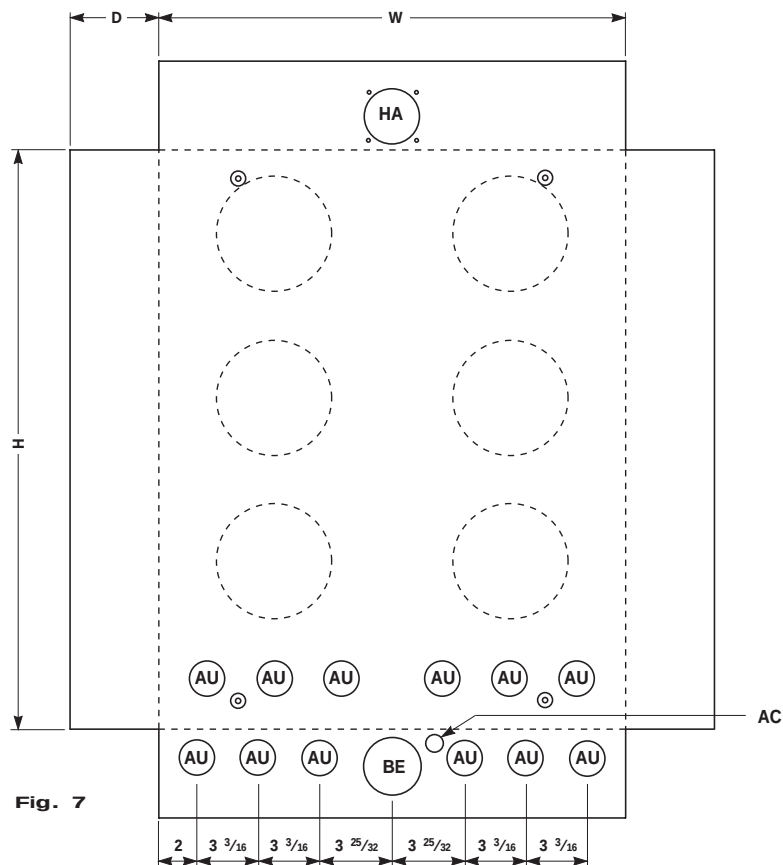


Fig. 7

Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 AU = $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ " - 1" - $\frac{3}{4}$ "
 BE = $2 \frac{1}{2}$ " - 2" - $1 \frac{1}{2}$ " - $1 \frac{1}{4}$ "
 HA = AW HUB

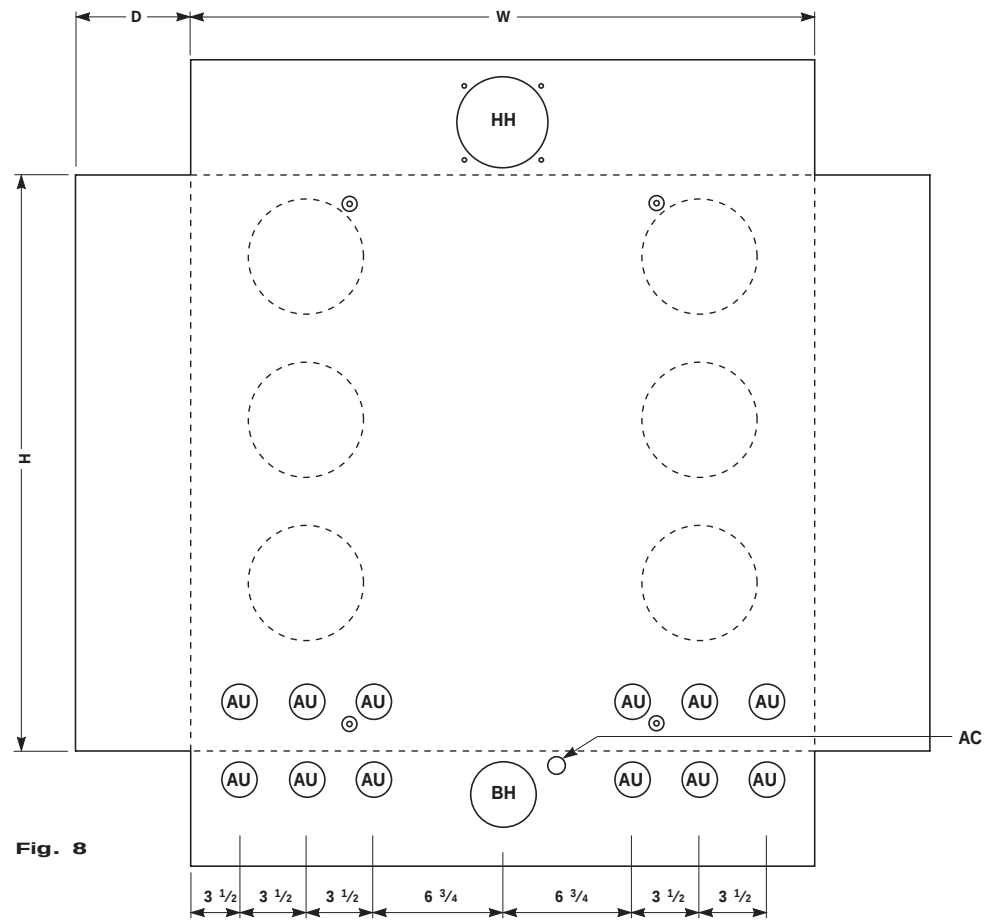


Fig. 8

Knockouts — Conduit Sizes

AC = 1/2" - 1/4"
 AU = 1 1/2" - 1 1/4" - 1" - 3/4"
 BH = 3" - 2 1/2"
 HH = H-BASE HUB

Multiple Vertical Metering

100 Amp Self-Contained Ganged Socket / 225-400 Amp Main Bus



APPLICATION

- For multiple meter/main applications
- 1 - 6 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead/underground feed

CONSTRUCTION

- Type 3R construction
- Snap type sealing ring included
- AW hub provision (MS units only)
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

ACCESSORIES

- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Main circuit breakers
- 5th jaw kit — catalog #50365

2015

Overhead / Underground Surface Mount

CATALOG NUMBER	No. OF POS.	MAIN DISCONNECT	AIC RATING	MAIN BUS AMPACITY	SOCKET MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	No. OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
											PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
2012MS60	2	(2) 2P CB Provisions	10K	225	125	100	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	34	22	6
2013MS60	3	(3) 2P CB Provisions	10K	225	125	100	120/240	1Ø 3W	4	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 2	39 ½	22	6

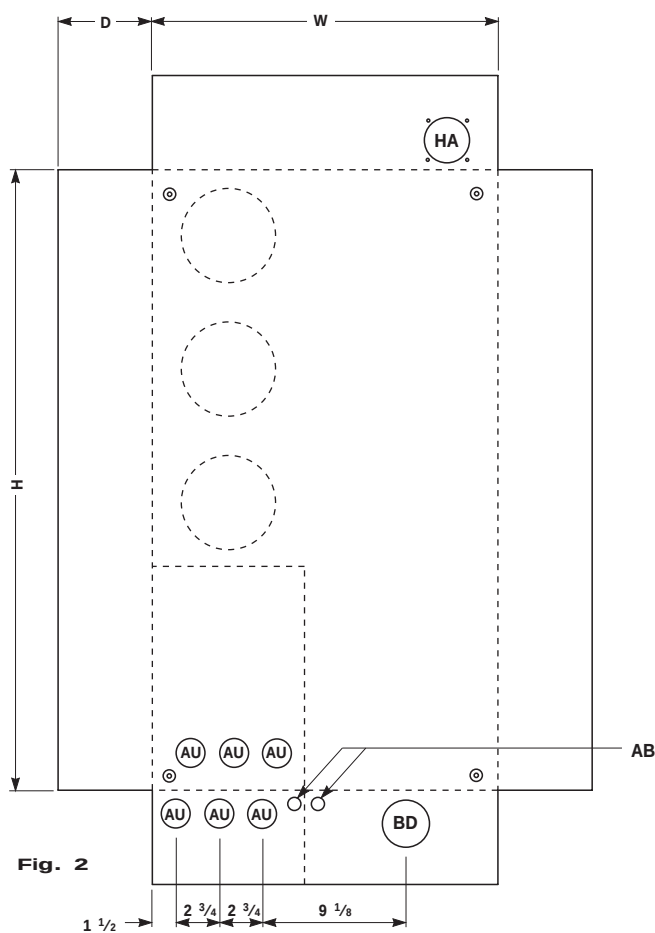
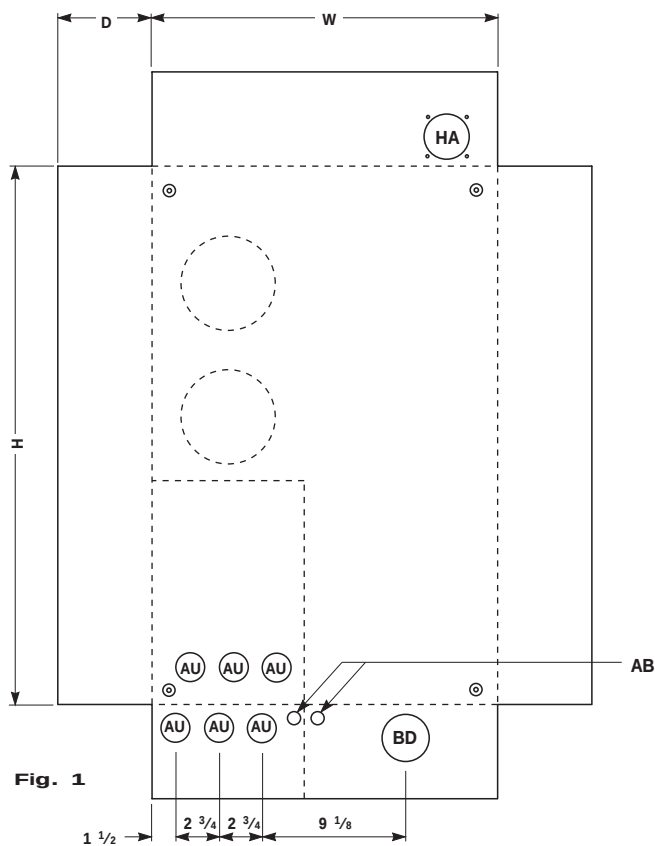
Underground Surface Mount

CATALOG NUMBER	No. OF POS.	MAIN DISCONNECT	AIC RATING	MAIN BUS AMPACITY	SOCKET MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	No. OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
											PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
2014	4	(4) 2P CB Provisions	10K	400	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 3	34	32	6
2015	5	(5) 2P CB Provisions	10K	400	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 4	39 ½	32	6
2016	6	(6) 2P CB Provisions	10K	400	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 4	39 ½	32	6

Underground Flush Mount

CATALOG NUMBER	No. OF POS.	MAIN DISCONNECT	AIC RATING	MAIN BUS AMPACITY	SOCKET MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	No. OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
											PHASE LINE	CONDUCTOR LOAD			HEIGHT (H)	WIDTH (W)	DEPTH (D)
2012F	2	(2) 2P CB Provisions	10K	225	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 1, 5	34	22	6
2013F	3	(3) 2P CB Provisions	10K	225	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 2, 5	39 ½	22	6
2014F	4	(4) 2P CB Provisions	10K	400	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 3, 5	34	32	6
2015F	5	(5) 2P CB Provisions	10K	400	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 4, 5	39 ½	32	6
2016F	6	(6) 2P CB Provisions	10K	400	125	100	120/240	1Ø 3W	4	NONE	STUDS	CIRCUIT BREAKER	STUDS	Fig. 4, 5	39 ½	32	6

Note: All provisions accept Westinghouse Quicklag "HQP", General Electric "THQL" and Siemens "QP" type plug-in circuit breakers.
Higher AIC ratings available upon request



Knockouts — Conduit Sizes

AB = $\frac{1}{2}$ "
 AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1 " - $\frac{3}{4}$ "
 BD = $2\frac{1}{2}$ " - 2 " - $1\frac{1}{2}$ "
 HA = AW HUB

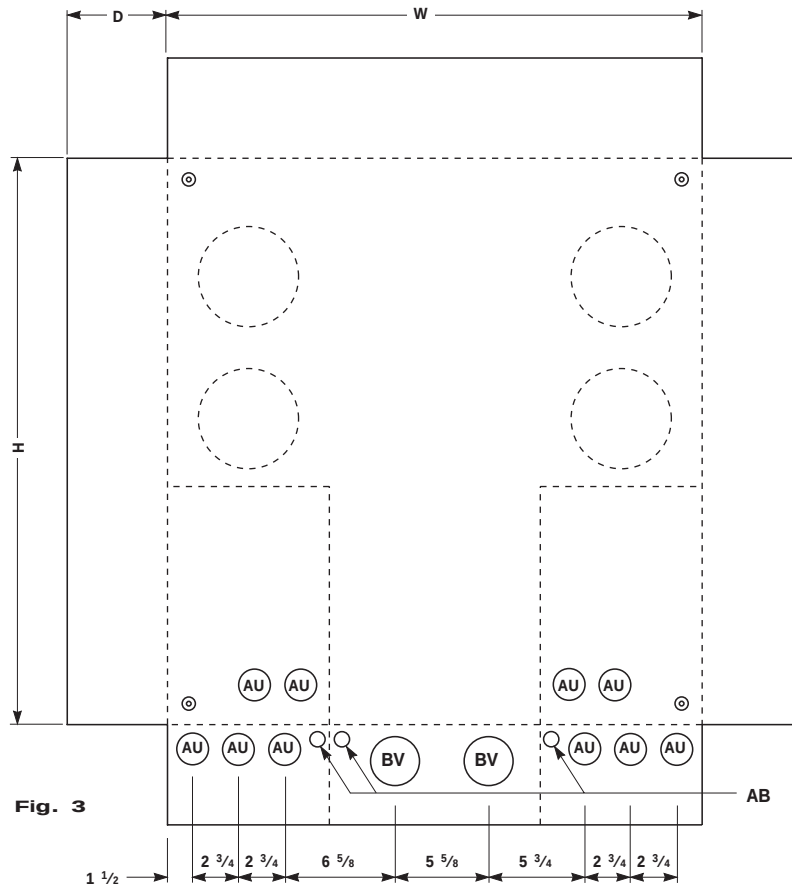


Fig. 3

AB

Knockouts — Conduit Sizes

AB = $\frac{1}{2}$ "

AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1 " - $\frac{3}{4}$ "

BV = 4 " - $3\frac{1}{2}$ " - 3 "

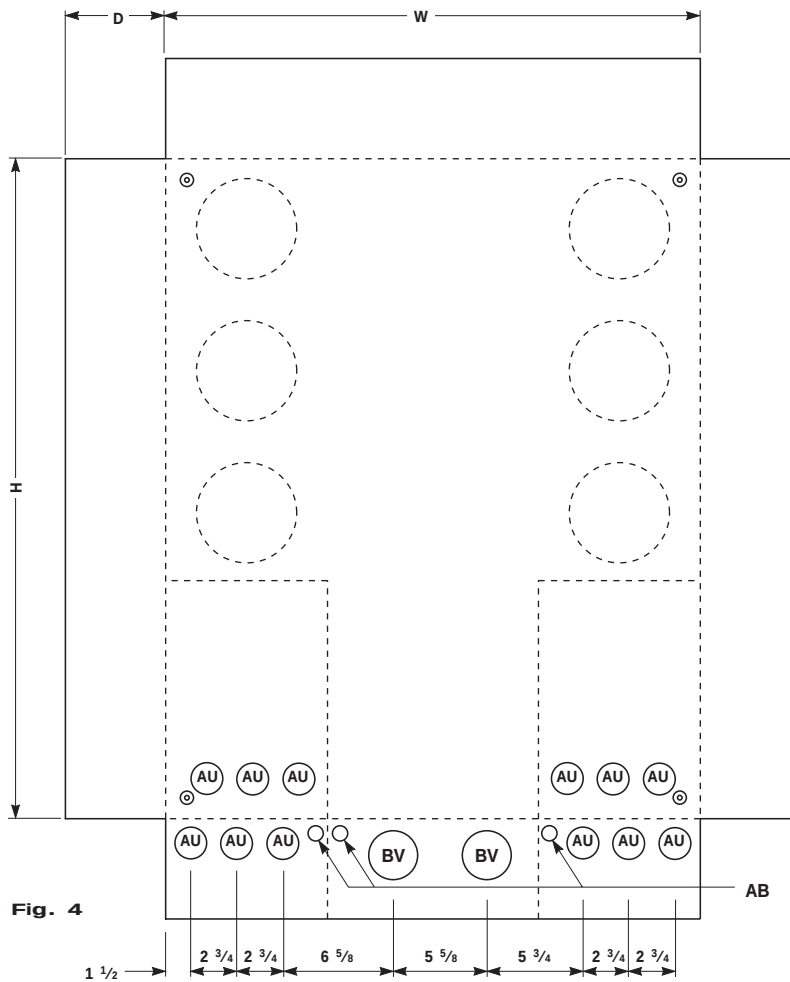


Fig. 4

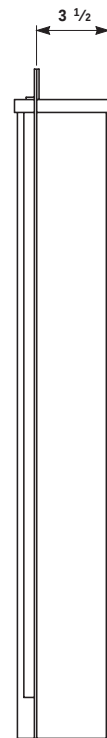


Fig. 5

Knockouts — Conduit Sizes

AB = $\frac{1}{2}$ "
 AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1 " - $\frac{3}{4}$ "
 BV = 4 " - $3\frac{1}{2}$ " - 3 "

Multiple Horizontal Metering**100 Amp Self-Contained Ganged Socket / 225 Amp Main Bus****H012****APPLICATION**

- For horizontal multi-meter installations
- 2 - 4 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- 225amp main bus
- AW hub provision
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

ACCESSORIES

- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- AW hubs
- 5th jaw kit — catalog #50365

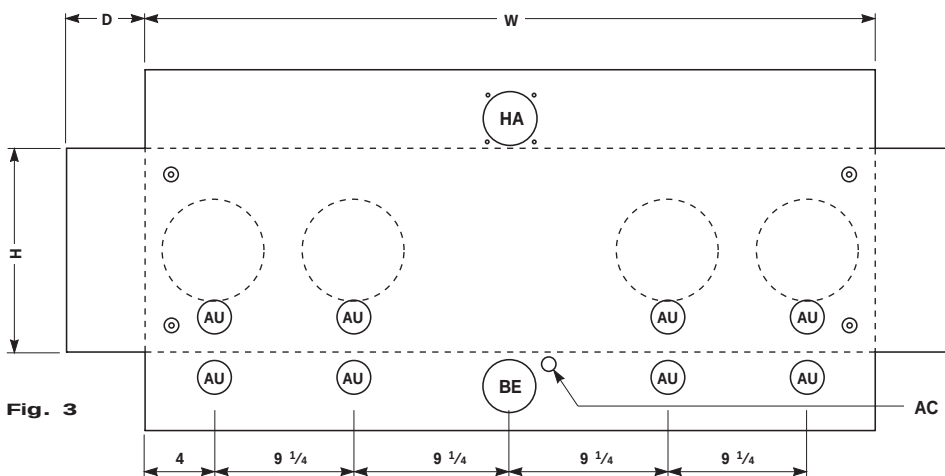
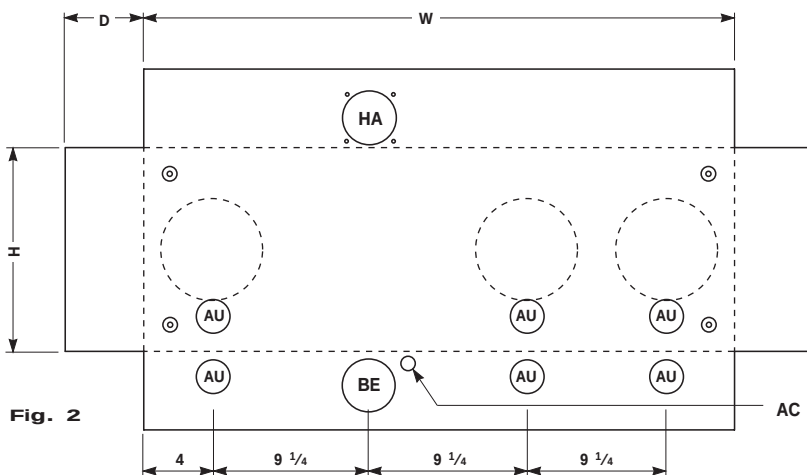
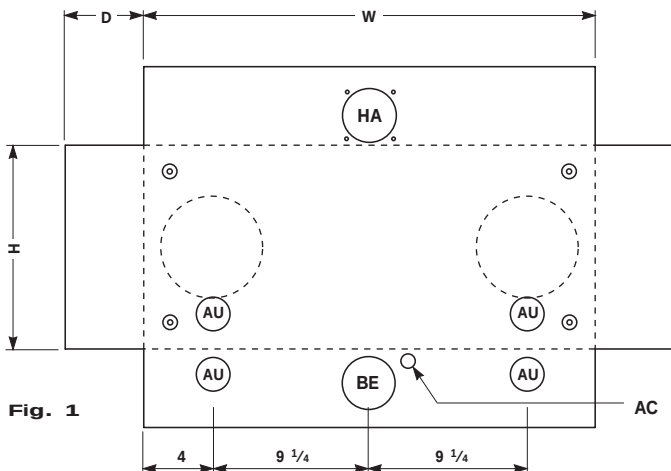
Overhead / Underground—Surface Mount

CATALOG NUMBER	No. OF POS.	AIC RATING	MAIN BUS AMPACITY	SOCKET AMPACITY MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			FIGURE NUMBER	DIMENSIONS (INCHES)		
										PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR		HEIGHT (H)	WIDTH (W)	DEPTH (D)
H012	2	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 1	12	26 ½	4 ⅝
H013	3	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 2	12	34 ¾	4 ⅝
H014	4	†	225	125	100	600	1Ø 3W	4	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	6 AWG - 250 kcmil	Fig. 3	12	43	4 ⅝

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 140.

Multiple Horizontal Metering

100 Amp Self-Contained Ganged Socket / 225 Amp Main Bus



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "

AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1 " - $\frac{3}{4}$ "

BE = $2\frac{1}{2}$ " - 2 " - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "

HA = AW HUB

Multiple Horizontal Metering**100 Amp Self-Contained Ganged Socket / 225 Amp Main Bus With By-Pass****142MCC****APPLICATION**

- For horizontal multi-meter installations
- 2 - 4 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- 225amp main bus
- AW hub provision
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style
- Manual circuit closing bypass under separate sealable cover

STANDARDS

- UL 414 listed, complies with ANSI C12.7

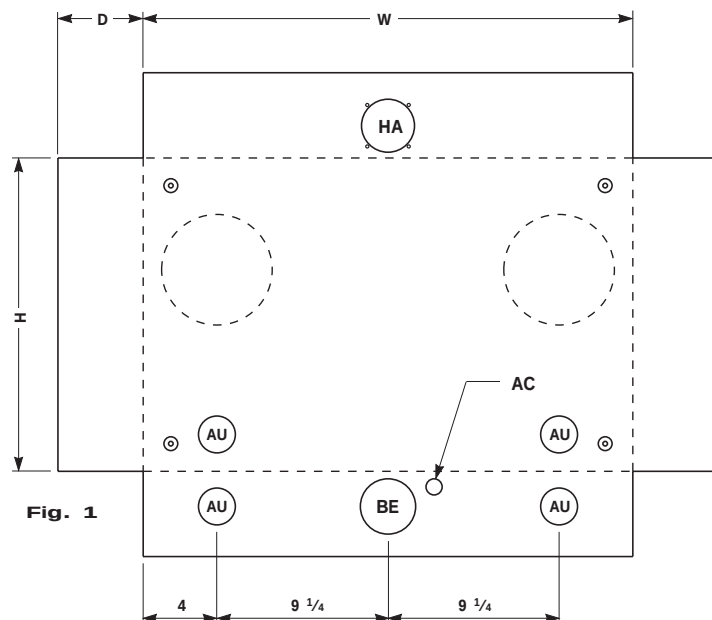
ACCESSORIES

- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- AW hubs
- 5th jaw kit — catalog #50365

Overhead / Underground—Surface Mount

CATALOG NUMBER	No. OF POS.	AIC RATING	MAIN BUS AMPACITY	SOCKET MAX.	AMPACITY CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
											PHASE & NEUTRAL LINE	CONDUCTORS LOAD		HEIGHT (H)	WIDTH (W)	DEPTH (D)
142MCC	2	†	225	--	100	600	1Ø 3W	4	MCC	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	Fig. 1	17	26 ½	4 ⅝
143MCC	3	†	225	--	100	600	1Ø 3W	4	MCC	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	Fig. 2	17	34 ¾	4 ⅝
144MCC	4	†	225	--	100	600	1Ø 3W	4	MCC	AW	6 AWG - 250 kcmil	14 AWG - 2/0 AWG	Fig. 3	17	43	4 ⅝

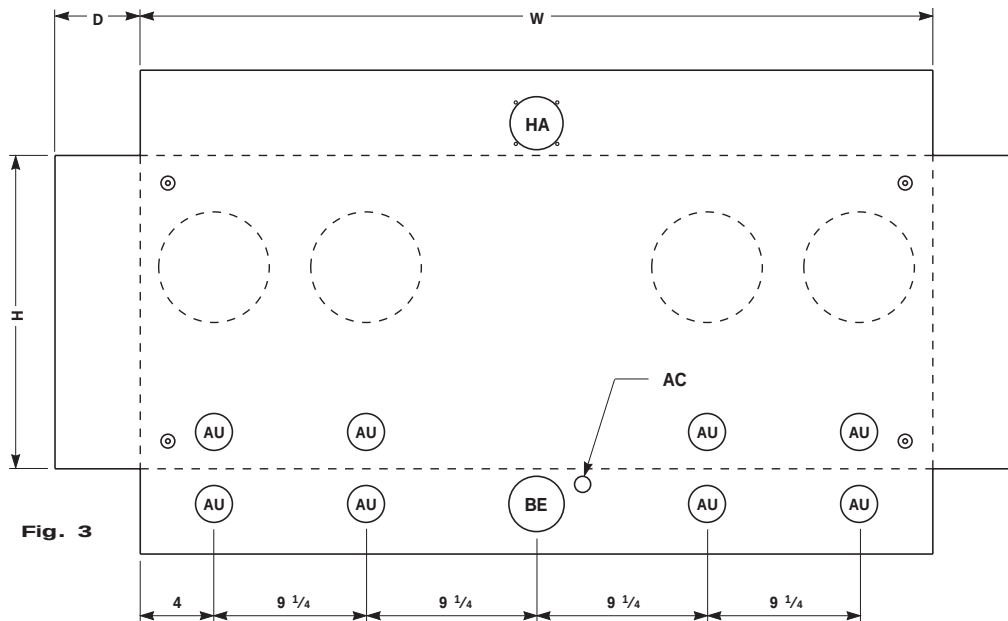
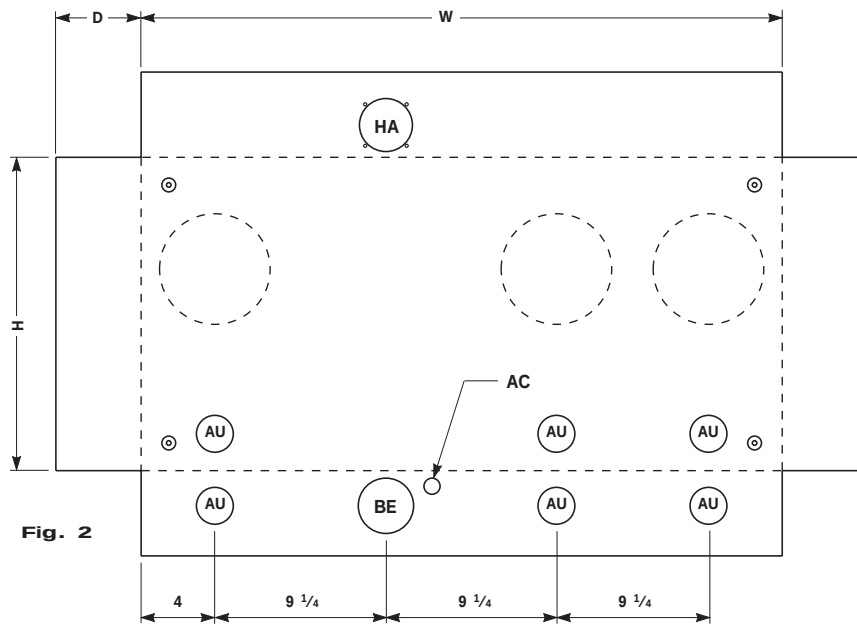
† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 140.

**Knockouts — Conduit Sizes**

AC = ½" - ¼"
 AU = 1 ½" - 1 ¼" - 1" - ¾"
 BE = 2 ½" - 2" - 1 ½" - 1 ¼"
 HA = AW HUB

Multiple Horizontal Metering

100 Amp Self-Contained Ganged Socket / 225 Amp Main Bus With By-Pass



Knockouts — Conduit Sizes

AC = 1/2" - 1/4"
 AU = 1 1/2" - 1 1/4" - 1" - 3/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 HA = AW HUB

Multiple Vertical Metering

200 Amp Self-Contained Ganged Socket / 225-400 Amp Main Bus



202

APPLICATION

- For vertical multi-meter installations
- 2 - 6 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Surface mounting
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- H-style hub provision
- Snap type sealing ring included
- 225amp main bus, 400amp on "H" units
- 5th jaw provision at nine o'clock
- Ring style

STANDARDS

- UL 414 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

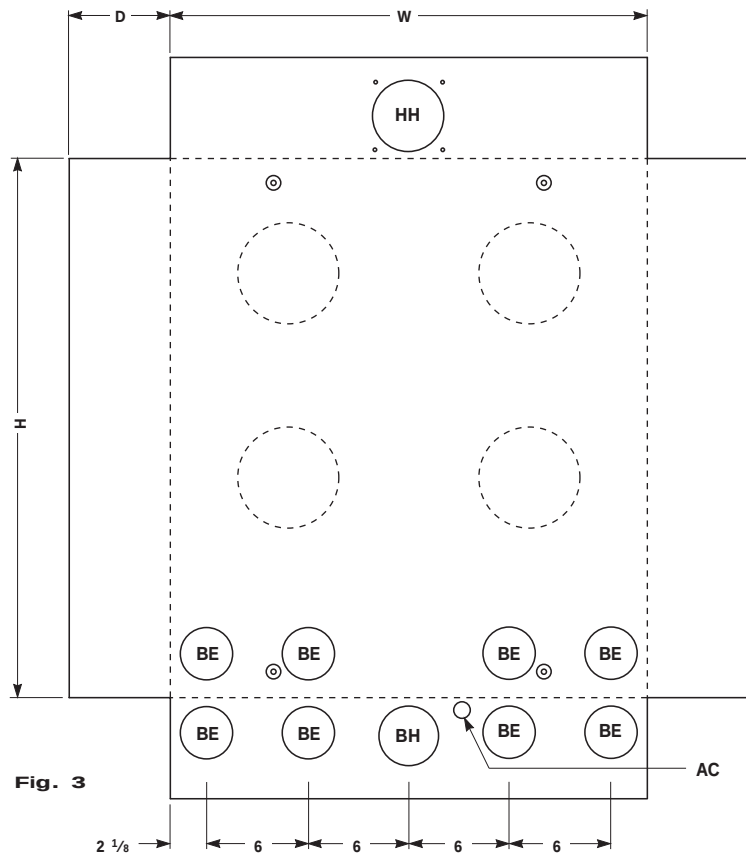
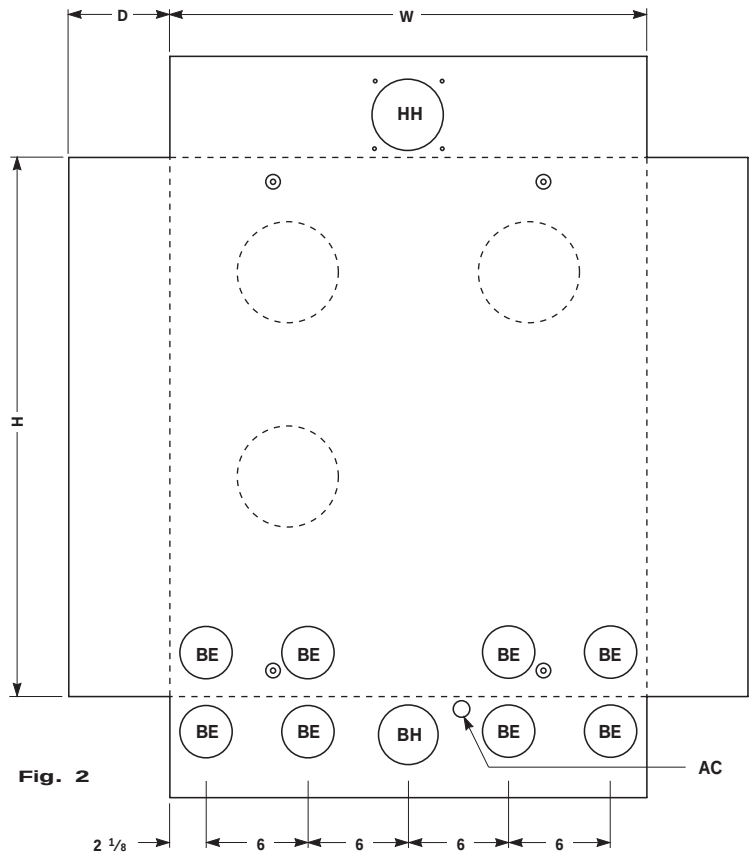
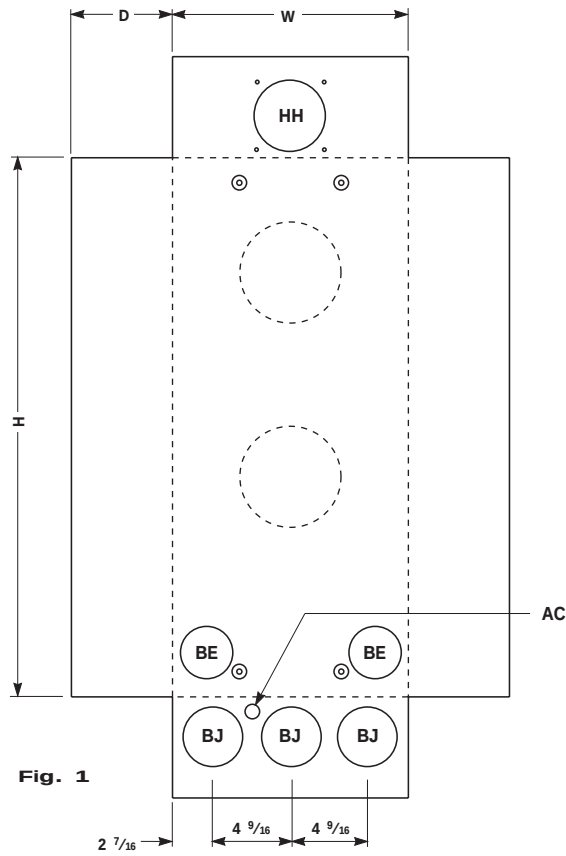
ACCESSORIES

- Screw type sealing ring — catalog #26016D
- Steel or clear lexan covers for socket openings
- H-base hubs
- 5th jaw kit — catalog #50365

Overhead / Underground-Surface Mount

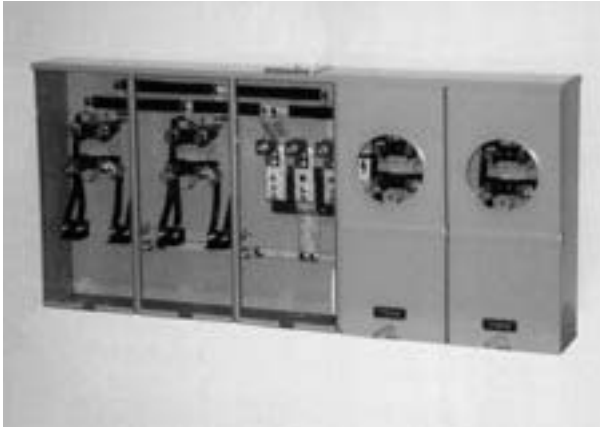
CATALOG NUMBER	No. OF POS.	AIC RATING	MAIN BUS AMPACITY	SOCKET AMPACITY CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE			NEUTRAL CONDUCTOR	FIGURE NUMBER	DIMENSIONS (INCHES)		
									PHASE LINE	CONDUCTOR LOAD				HEIGHT (H)	WIDTH (W)	DEPTH (D)
202H	2	†	400	200	600	1Ø 3W	4	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil		4 AWG - 600 kcmil	Fig. 1	32	14	6
203H	3	†	400	200	600	1Ø 3W	4	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil		4 AWG - 600 kcmil	Fig. 2	32	28 5/16	6
204H	4	†	400	200	600	1Ø 3W	4	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil		4 AWG - 600 kcmil	Fig. 3	32	28 5/16	6

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 140.



Knockouts — Conduit Sizes

AC = 1/2" - 1/4"
 BE = 2 1/2" - 2" - 1 1/2" - 1 1/4"
 BH = 3" - 2 1/2"
 BJ = 3" - 2 1/2" - 2"
 HH = H-BASE HUB

Multiple Horizontal Metering**200 Amp Self-Contained Ganged Socket / 400 Amp Main Bus****244MCC****APPLICATION**

- For horizontal multi-meter installations
- 2 - 4 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- 225amp main bus
- H-base hub provision
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style
- Manual circuit closing bypass under separate sealable cover

STANDARDS

- UL 414 listed, complies with ANSI C12.7

ACCESSORIES

- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- H-base hubs
- 5th jaw kit — catalog #50365

Overhead / Underground—Surface Mount

CATALOG NUMBER	No. OF POS.	AIC RATING	MAIN BUS AMPACITY	SOCKET AMPACITY CONT.	VOLTAGE	SERVICE TYPE	NUMBER OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE		FIGURE NUMBER	DIMENSIONS (INCHES)		
										PHASE & NEUTRAL LINE	CONDUCTORS LOAD		HEIGHT (H)	WIDTH (W)	DEPTH (D)
242MCC	2	†	400	200	600	1Ø 3W	4	MCC	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil	Fig. 1	23	30	4 5/8
243MCC	3	†	400	200	600	1Ø 3W	4	MCC	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil	Fig. 2	23	40	4 5/8
244MCC	4	†	400	200	600	1Ø 3W	4	MCC	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil	Fig. 3	23	50	4 5/8
245MCC	5	†	400	200	600	1Ø 3W	4	MCC	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil	Fig. 4	23	60	4 5/8
246MCC	6	†	400	200	600	1Ø 3W	4	MCC	H	4 AWG - 600 kcmil	6 AWG - 250 kcmil	Fig. 5	23	70	4 5/8

† = Meter sockets on this page have certain short circuit current ratings when used in conformance with the tables on page 140.

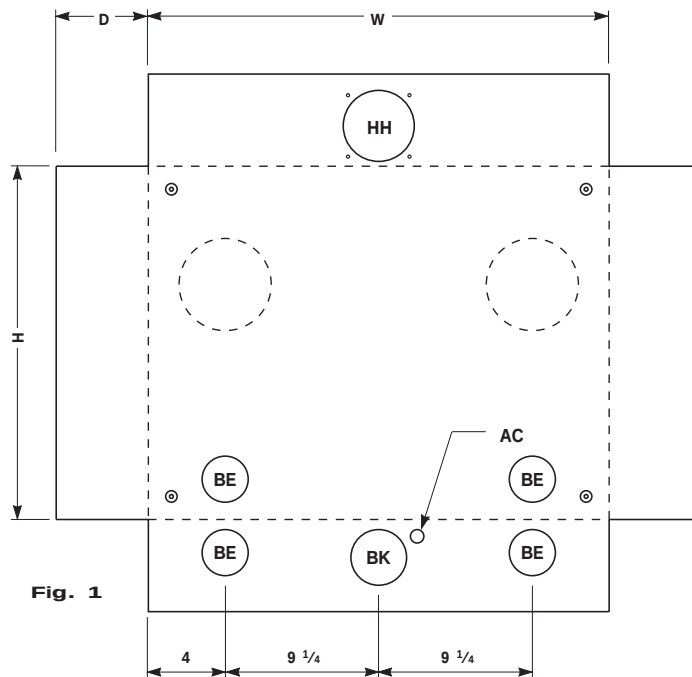


Fig. 1

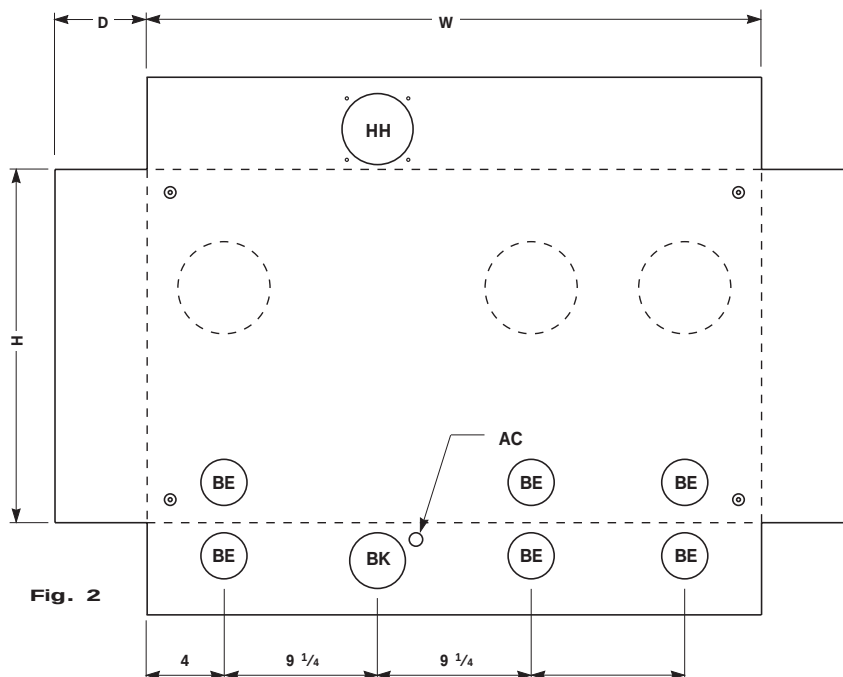
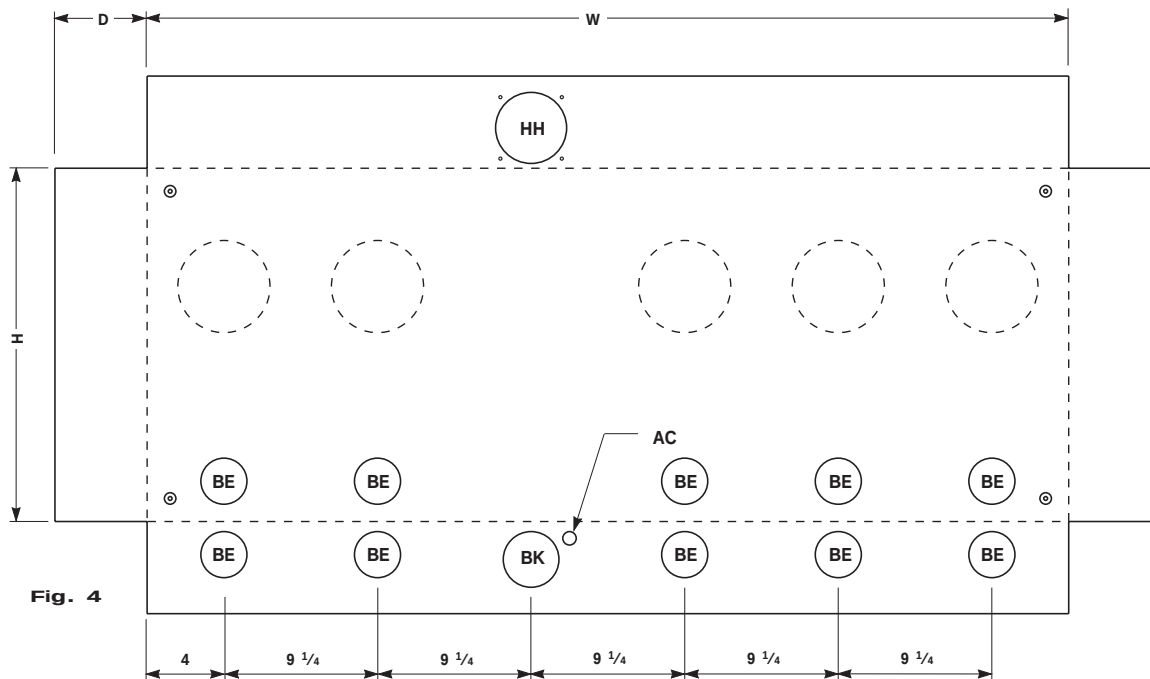
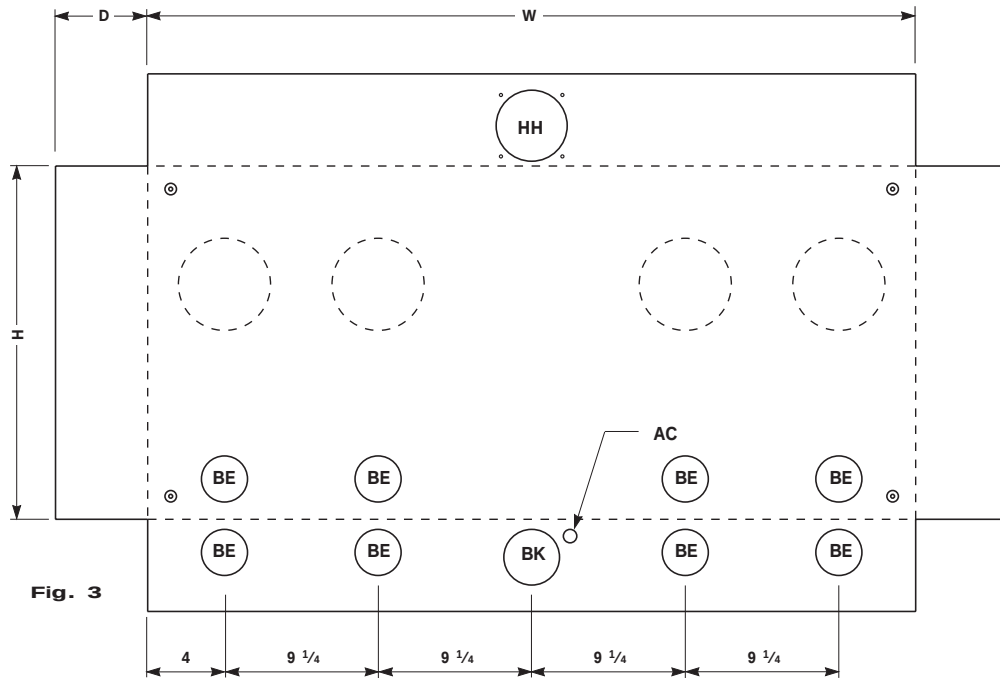


Fig. 2

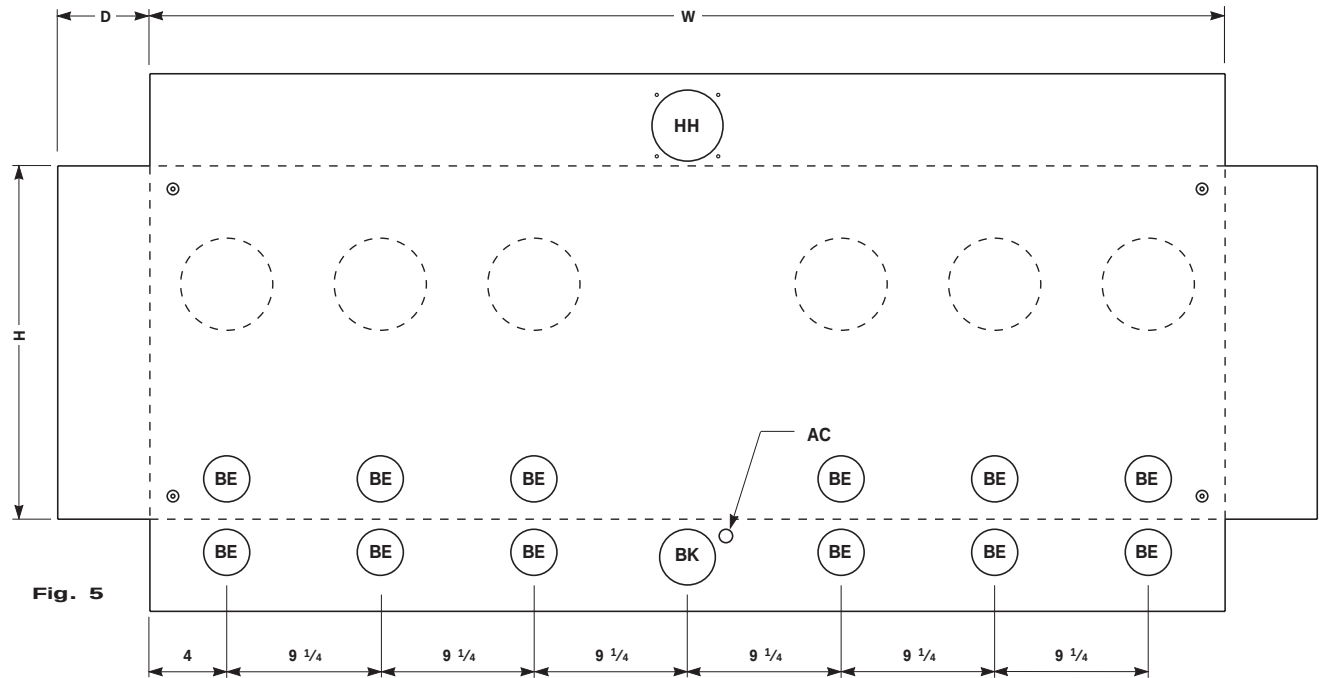
Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 BE = $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "
 BK = 3" - $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ "
 HH = H-BASE HUB



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 BE = $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ " - $1\frac{1}{4}$ "
 BK = 3 " - $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ "
 HH = H-BASE HUB



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " – $\frac{1}{4}$ "
 BE = $2\frac{1}{2}$ " – 2" – $1\frac{1}{2}$ " – $1\frac{1}{4}$ "
 BK = 3" – $2\frac{1}{2}$ " – 2" – $1\frac{1}{2}$ "
 HH = H-BASE HUB

Multiple Horizontal Metering

100 Amp Self-Contained Ganged Socket / 225 Amp Main Bus With By-Pass & Breaker



154MCCM

APPLICATION

- For horizontal multi-meter installations
- 2 - 4 meter positions
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed

CONSTRUCTION

- Type 3R construction
- 225amp main bus
- AW hub provision
- Snap type sealing ring included
- 5th jaw provision at nine o'clock
- Ring style
- Manual circuit closing bypass under separate sealable cover

STANDARDS

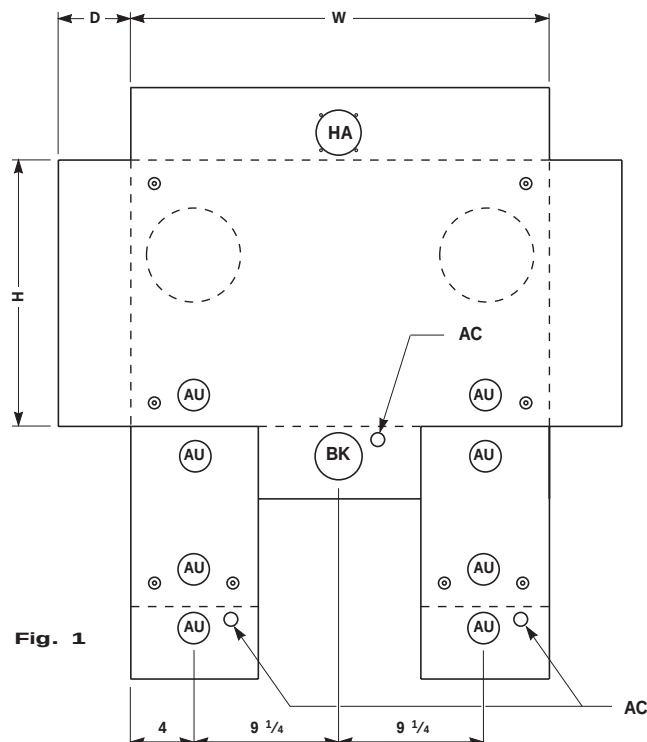
- UL 414 listed, complies with ANSI C12.7

ACCESSORIES

- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- AW hubs
- 5th jaw kit — catalog #50365

Overhead / Underground-Surface Mount

CATALOG NUMBER	# OF POS.	AIC RATING	MAIN BUS AMP	SOCKET AMP CONT.	VOLT.	SERVICE TYPE	# OF JAWS	BYPASS TYPE	HUB PROV.	CONDUCTOR LUG RANGE				DIMENSIONS (INCHES)			
										PHASE LINE	CONDUCTOR LOAD	NEUTRAL LINE	CONDUCTOR LOAD	FIG. #	HEIGHT (H)	WIDTH (W)	DEPTH (D)
152MCCM	2	10K	225	100	600	1Ø 3W	4	MCC	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	2/0 AWG - 14 AWG	Fig. 1	28 ½	26 ½	4 ⅝
153MCCM	3	10K	225	100	600	1Ø 3W	4	MCC	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	2/0 AWG - 14 AWG	Fig. 2	28 ½	34 ¾	4 ⅝
154MCCM	4	10K	225	100	600	1Ø 3W	4	MCC	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	2/0 AWG - 14 AWG	Fig. 3	28 ½	43	4 ⅝

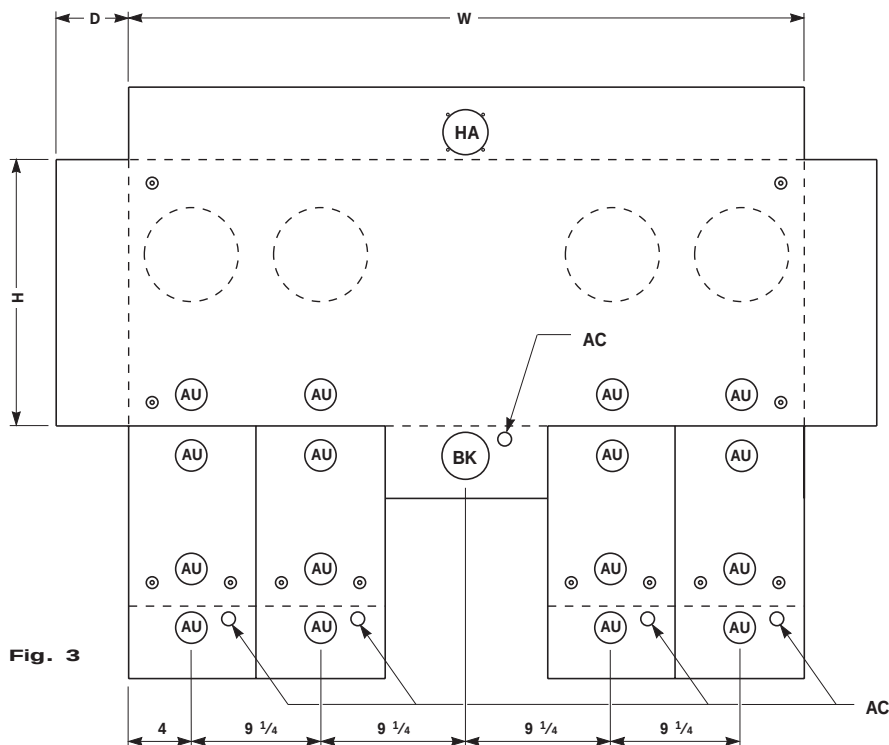
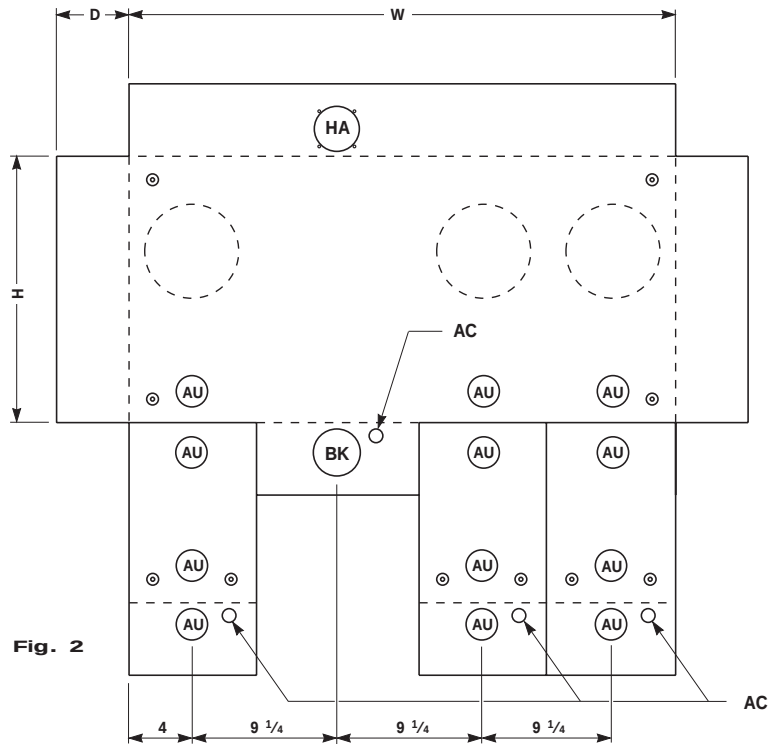


Knockouts — Conduit Sizes

AC = ½" - ¼"
 AU = 1 ½" - 1 ¼" - 1" - ¾"
 BK = 3" - 2 ½" - 2" - 1 ½"
 HA = AW HUB

Multiple Horizontal Metering

100 Amp Self-Contained Ganged Socket / 225 Amp Main Bus With By-Pass & Breaker



Knockouts — Conduit Sizes

AC = $\frac{1}{2}$ " - $\frac{1}{4}$ "
 AU = $1\frac{1}{2}$ " - $1\frac{1}{4}$ " - 1" - $\frac{3}{4}$ "
 BK = 3" - $2\frac{1}{2}$ " - 2" - $1\frac{1}{2}$ "
 HA = AW HUB

The meter sockets shown in this section have certain short circuit current ratings when used in conformance with the tables below:

WHEN USED IN CONJUNCTION WITH FUSE OR BREAKER	THIS METER SOCKET IS RATED FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN	At Volts Max.
--	--	---------------

Class 100 Meter Sockets

100Amp class J, T, RK1 or RK5 fuse	100,000 RMS Symmetrical Amperes	600
100Amp Siemens type "HQP" circuit breaker	65,000* RMS Symmetrical Amperes	240
100Amp Westinghouse type "QHPX" circuit breaker	42,000* RMS Symmetrical Amperes	240
100Amp listed circuit breaker	25,000* RMS Symmetrical Amperes	240

Class 200 Meter Sockets

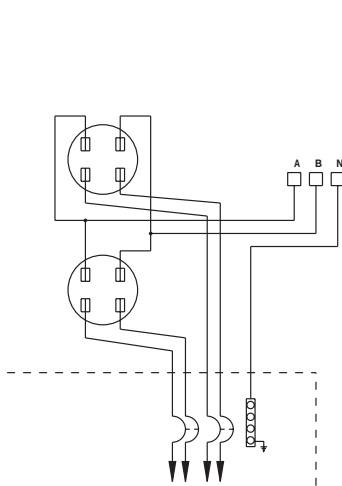
200Amp class J or T fuse	200,000 RMS Symmetrical Amperes	600
200Amp class RK-1 fuse	42,000 RMS Symmetrical Amperes	480
200Amp Siemens type "HFD6" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJ2-H" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJH2" circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp West. type "CAH" circuit breaker	22,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker (1Ø only)	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

Class 320 Meter Sockets

400Amp class J or T fuse	100,000* RMS Symmetrical Amperes	600
400Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

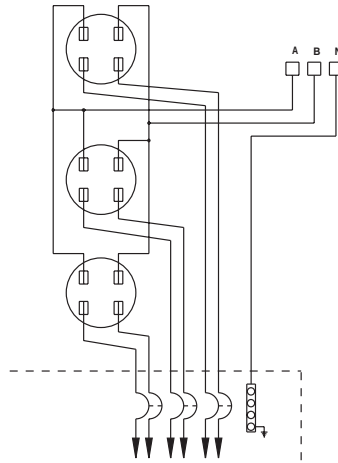
**Not in excess of the circuit breaker interrupting rating*

Note: This table does not apply to meter-breaker units or to CT rated sockets



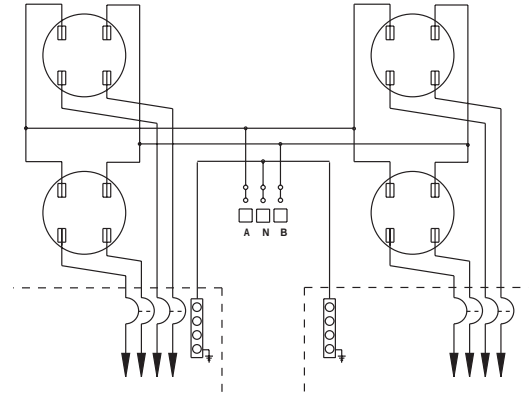
Catalog #

2012MS60
2012F



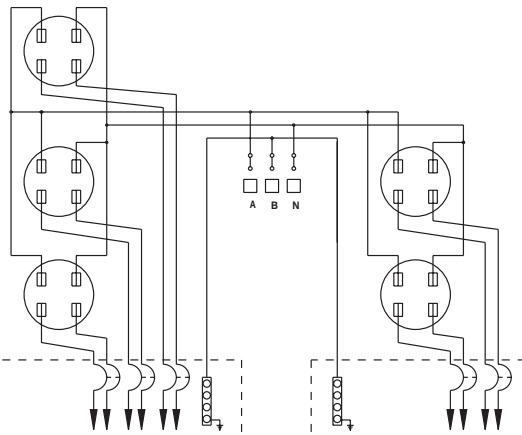
Catalog #

2013MS60
2013F



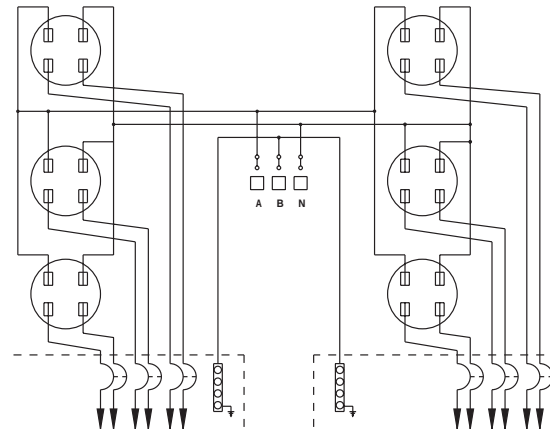
Catalog #

2014
2014F



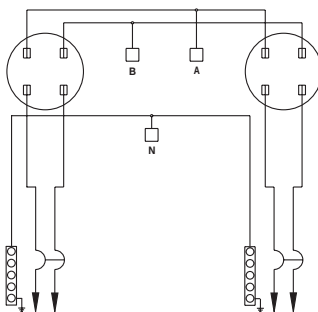
Catalog #

2015
2015F



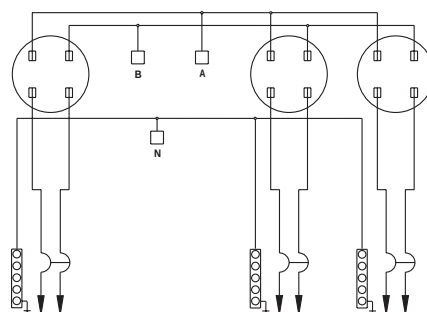
Catalog #

2016
2016F



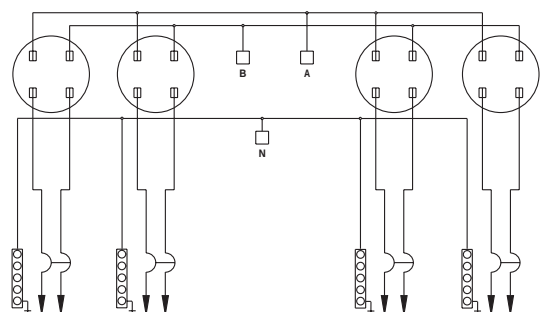
Catalog #

152MCCM



Catalog #

153MCCM



Catalog #

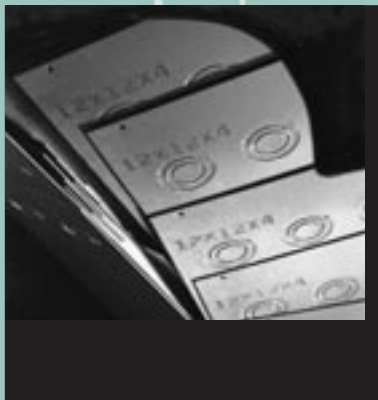
154MCCM

Notes

COOPER B-Line



U2M200P



B-Line



Mobile Home Metering

100 Amp & 200 Amp / Self-Contained Mobile Home Pedestals



M2M200PPD

APPLICATION

- For use as mobile home service equipment
- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10

CONSTRUCTION

- Type 3R construction
- Direct burial
- Isolated compartments for customers equipment, circuit breakers and metering service
- Hinged disconnect cover with padlock provision
- Louvered line section cover for ventilation
- Separate load exit enclosure
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Load exit enclosure - catalog # 3245KIT

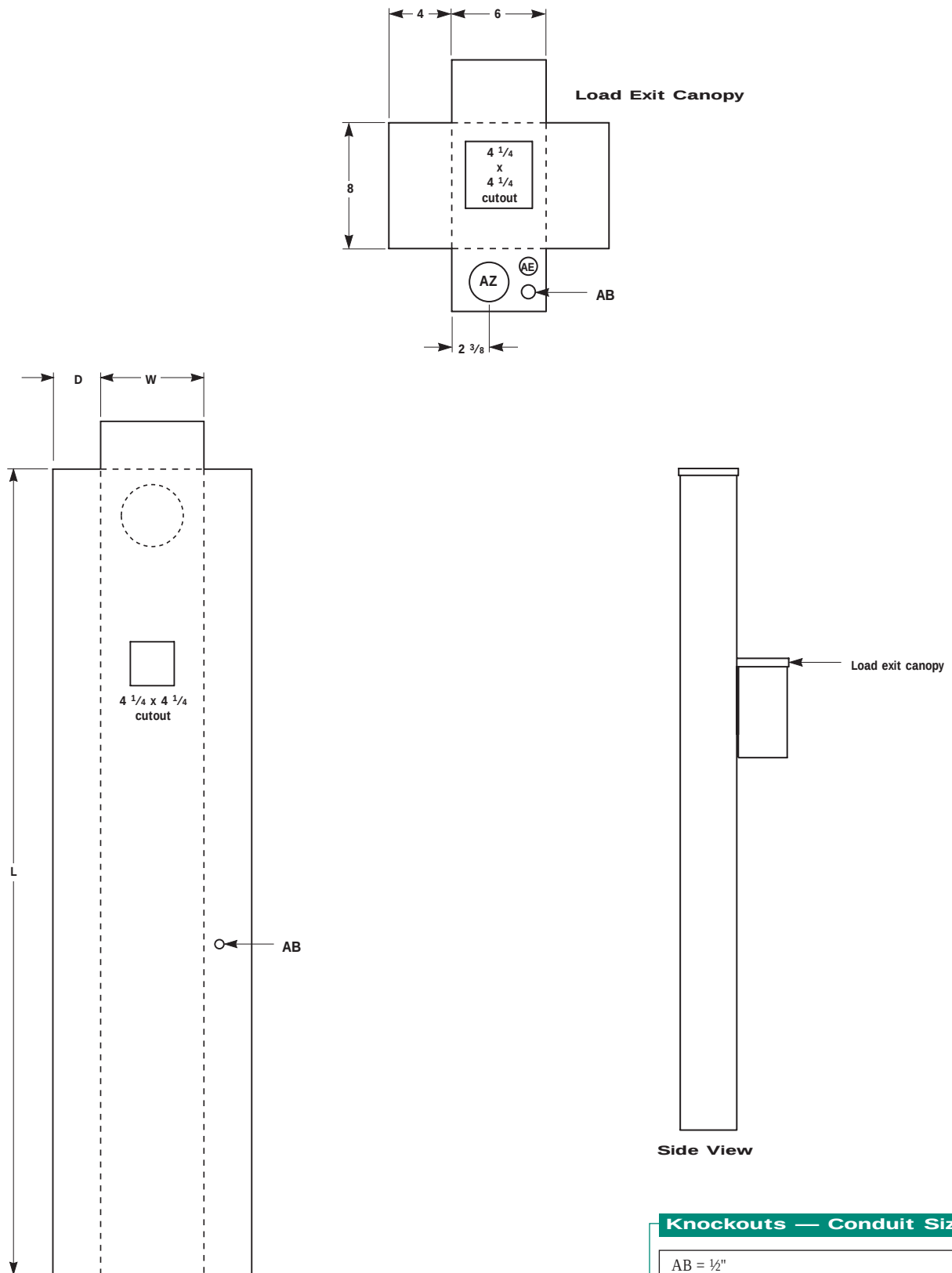
1Ø 3W

CONDUCTOR LUG RANGE

CATALOG NUMBER	MAIN DISCONNECT	AIC RATING	AMPACITY MAX.	VOLTAGE	NUMBER OF JAWS	PHASE LINE	CONDUCTOR LOAD	NEUTRAL CONDUCTOR	HEIGHT (H)	WIDTH (W)	DEPTH (D)
M1M100PDMS66	100A 2P CB & 100A 2P Prov.	10K*	100	120/240	4	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M1M100PD	100A 2P CB & 100A 2P Prov.	10K*	100	120/240	4	6 AWG - 350 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M1M125PDMS66	125A 2P CB & 100A 2P Prov.	10K*	125	120/240	4	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M1M125PD	125A 2P CB & 100A 2P Prov.	10K*	125	120/240	4	6 AWG - 350 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M150PDMS67	150A 2P CB & 100A 2P Prov.	10K*	150	120/240	4	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M150PD	150A 2P CB & 100A 2P Prov.	10K*	150	120/240	4	6 AWG - 350 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M175PDMS67	175A 2P CB & 100A 2P Prov.	10K*	175	120/240	4	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M175PD	175A 2P CB & 100A 2P Prov.	10K*	175	120/240	4	6 AWG - 350 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M200PDMS67	200A 2P CB & 100A 2P Prov.	10K*	200	120/240	4	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M200PD	200A 2P CB & 100A 2P Prov.	10K*	200	120/240	4	6 AWG - 350 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M200PPDMS67	200A 2P CB & (2) 100A 2P Prov.	10K*	200	120/240	4	STUDS	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8
M2M200PPD	200A 2P CB & (2) 100A 2P Prov.	10K*	200	120/240	4	6 AWG - 350 kcmil	MAIN CIRCUIT BREAKER	6 AWG - 350 kcmil	78	10	4 5/8

* 22K AIC main circuit breaker available upon request.

Note: All provisions accept Westinghouse Quicklag "HQ", General Electric "THQL" and Siemens Type "QP" and "HQ" type plug-in circuit breakers.



Knockouts — Conduit Sizes

AB = 1/2"
 AE = 3/4" - 1/2"
 AZ = 2" - 1 1/2" - 1 1/4" - 1"



U2M200PP

APPLICATION

- For use as mobile home service equipment
- Single meter position
- Designed to receive watthour meters that meet ANSI C12.10
- Overhead or underground feed
- Surface mount

CONSTRUCTION

- Type 3R construction
- Padlockable disconnect cover
- AW hub provision
- Provisions for additional circuit breakers
- Snap type sealing ring included
- Ring style

STANDARDS

- UL 67 listed, complies with ANSI C12.7

FINISH

- ANSI 61 gray acrylic electrocoat finish

ACCESSORIES

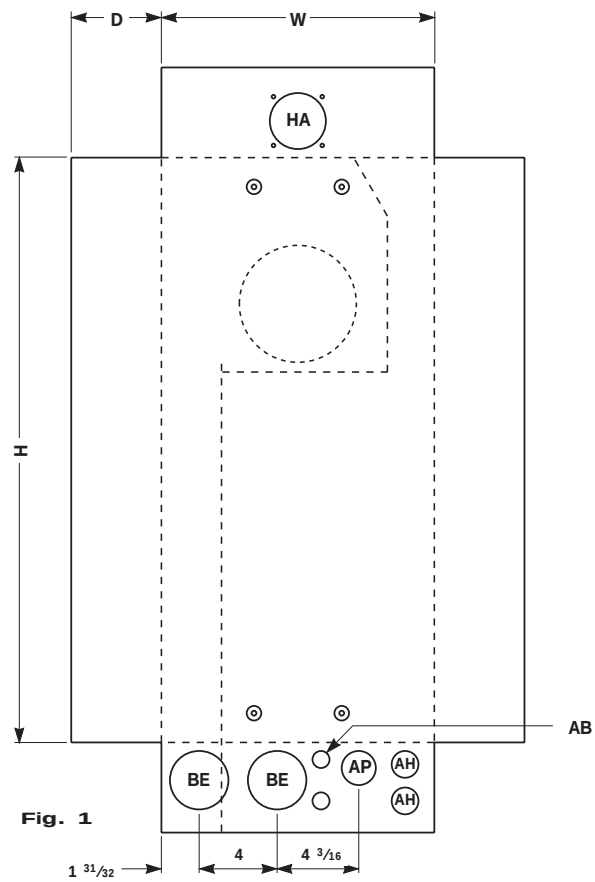
- Flush trim kit — catalog #FK1430
- Screw type sealing ring — catalog #25016D
- Steel or clear lexan covers for socket opening
- Hubs

1Ø 3W

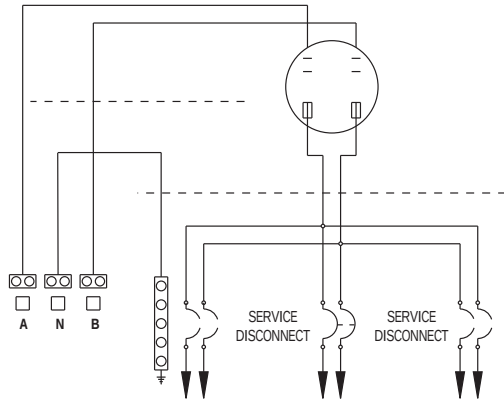
CATALOG NUMBER	MAIN DISCONNECT	AIC RATING		AMPACITY	VOLTAGE	NUMBER OF JAWS	HUB PROV.	CONDUCTOR LUG RANGE		NEUTRAL CONDUCTOR	FIGURE NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
								PHASE LINE	CONDUCTOR LOAD					
U2M200P	200A 2P CB & 2P Prov.	10K*	22K	200	120/240	4	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	30	14	4 5⁄8
U2M200PP	200A 2P CB & (2) 2P Prov.	10K*	22K	200	120/240	4	AW	6 AWG - 250 kcmil	CIRCUIT BREAKER	6 AWG - 250 kcmil	Fig. 1	30	14	4 5⁄8

Note: All provisions accept Westinghouse Quicklag "HQP", General Electric "THQL" and Siemens Type "QP" and "HQ" type plug-in circuit breakers.

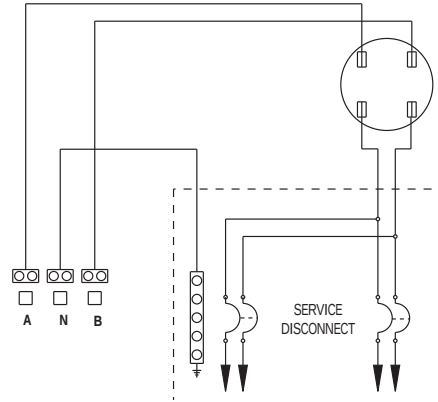
The sum of the main disconnects may not exceed 250 amperes


Fig. 1
Knockouts — Conduit Sizes

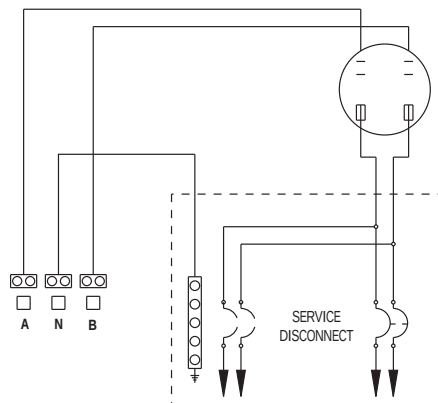
$AB = \frac{1}{2}"$
 $AH = 1" - \frac{3}{4}"$
 $AP = 1 \frac{1}{4}" - 1" - \frac{3}{4}" - \frac{1}{2}"$
 $BE = 2 \frac{1}{2}" - 2" - 1 \frac{1}{2}" - 1 \frac{1}{4}"$
 $HA = AW \text{ HUB}$



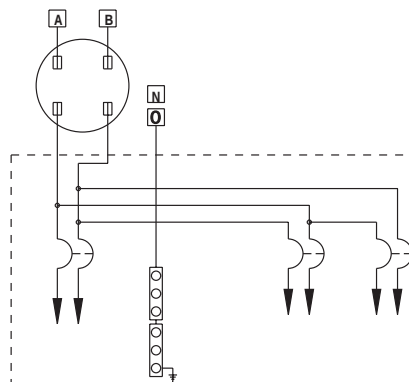
Catalog #
M2M200PPD



Catalog #
M1M100PD
M1M125PD
M1M100PDMS66
M1M125PDMS66

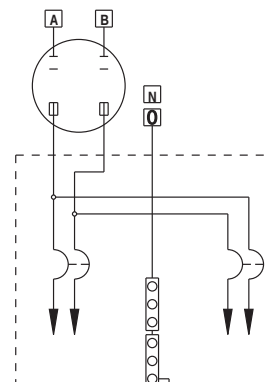


Catalog #
M2M150PD
M2M175PD
M2M200PD
M2M150PDMS67
M2M175PDMS67
M2M200PDMS67
M2M200PPDMS67



The sum of disconnects ampere rating cannot exceed 125% of the continuous ampere rating of the socket. Do not use as lighting and appliance branch-circuit panelboard.

Catalog #
U2M200PP



The sum of disconnects ampere rating cannot exceed 125% of the continuous ampere rating of the socket.

Catalog #
U2M200P

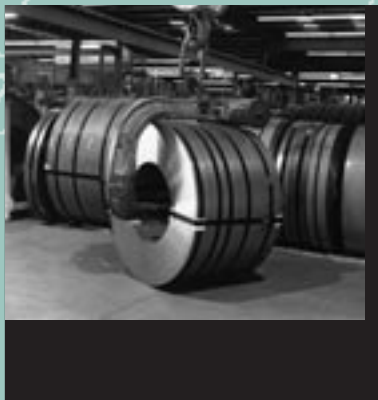
COOPER B-Line



COMMERCIAL METER PEDESTALS



CMP4111M



10 HOLE
250-20
SER NUMBER
INTERIOR
MOUNTING HOLES)

B-Line



10

Commercial Meter Pedestals

Product Application & Project Request

Type 3R Raintight, Pad Wall or Post Mounted Meter Pedestal with isolated compartments for utility metering, Service Conductor Terminations, and Customer's Equipment customized to meet specific job requirements.

Typical Applications

- Street and Highway Lighting
- Traffic Signal Controller Metering
- Golf Course Lighting
- Tennis Court Lighting
- Parking Lot Lighting
- Railroad Yards
- Sign Lighting
- Irrigation Control Systems
- Park & Recreational Facilities

Available in a standard configuration or, if needed, can be customized to meet your specific job requirements.



Enclosure Mounting Type _____

Supply Voltage _____ Service _____

Supply Amperage _____ Short Circuit Rating _____

Meter Socket: Safety Socket ☐ Manual Circuit Closing ☐ No Circuit Closing ☐

Disconnect: Main Circuit Breaker ☐ Class 'T' Fused Pull-Out ☐

Distribution: _____ Circuit Panelboard None ☐

Finish: Light Green ☐ Light Gray (ANSI 61) ☐ Light Gray (ANSI 49) ☐ White ☐ Other ☐

Accessories

_____ Photo-Electric Cell	_____ Terminal Block	_____ Cabinet Heater
_____ Time Clock	_____ Custom Wired	_____ HOA Switches
_____ Control Transformer	_____ Lighting Contactor - Electric Held	_____ Time Delay Relay
_____ Duplex Receptacles	_____ Lighting Contactor - Mechanical Held	_____ Control Switch
_____	_____	_____

Special Features

Construction:

- Type 3R Raintight enclosure
- Heavy gauge zinc coated steel (Type 304 stainless steel available)
- Tamperproof external hardware
- Padlockable doors
- Pad mount or wall mount
- Compartments provide complete isolation between line, meter and load sections
- Independent pad mounted units have separate mounting base to aid job site installation

Finish:

- Corrosion resistant finish meets UL-1332 requirements
- Standard light green or gray

Standards:

- Meets ANSI/NEMA 250
- UL listed for use as service equipment
- Meets most utility requirements (consult local utility)

Electrical:

- Single phase or polyphase systems, up to 400 amps
- Short circuit current ratings, up to 200 KAIC
- Single or dual meter units
- Meter socket types -
 - Safety socket
 - Manual circuit (bypass)
 - Standard type (no bypass)
- Disconnect -
 - Main circuit breaker (ITE/Siemens) - with or without distribution
 - Class 'T' fused pullout - with or without distribution
- Factory wired - custom wired to meet your specific job requirements

Available Customized to Your Particular Application

Wide range of options including:

- Single Phase or Polyphase Systems
- Voltages up to and including 480 volts 3Ø 4W
- High short circuit current ratings (up to 200KAIC)
- Distribution Control-Circuit Panelboards, Load Centers
- Factory wired to your specific job requirements
- Special colors and finishes (Type 304 stainless steel)
- Time Clocks
- Lighting Contractors (Electrically or mechanically held)
- HOA Switches
- Photo-Electric control receptacle
- Terminal Blocks
- Fuse Blocks
- Test Switches

Metered Pedestals

Post / Wall Mount Metered



CMP4111M

APPLICATION

- Utility meter, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Surface mount
- Separate, sealable utility termination and meter compartments
- Padlockable main disconnect and distribution panel compartment
- Standard with circuit breaker main disconnect (class 'T' fused pullout also available)

STANDARDS

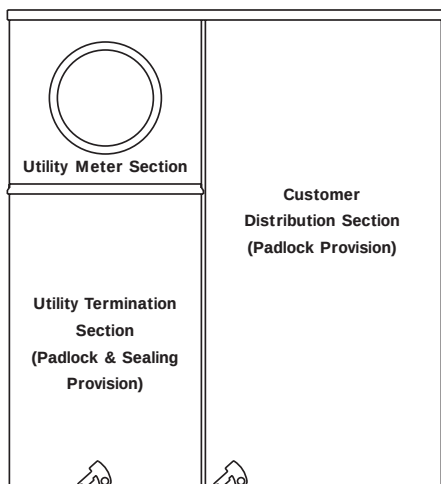
- Meets utility requirements
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (single phase systems)
- Filler plate kit #25319
- Screw type sealing ring #25016D



Post / Wall Mount

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE
CMP4111M	100	240	1Ø, 3W	CD	100/2	12	PLUG-IN
CMP4111MC	100	240	1Ø, 3W	SS	100/2	12	PLUG-IN
CMP4111MCH	100	480	1Ø, 3W	SS	100/2	14	BOLT-ON
CMP4411M	100	240	3Ø, 4W	CD	100/3	12	PLUG-IN
CMP4411MC	100	240	3Ø, 4W	SS	100/3	12	PLUG-IN
CMP4411MCH	100	480	3Ø, 4W	SS	100/3	12	BOLT-ON
CMP4121M	200	240	1Ø, 3W	CD	200/2	12	PLUG-IN
CMP4121MC	200	240	1Ø, 3W	SS	200/2	12	PLUG-IN
CMP4121MCH	200	480	1Ø, 3W	SS	200/2	18	BOLT-ON
CMP4421M	200	240	3Ø, 4W	CD	200/3	12	PLUG-IN
CMP4421MC	200	240	3Ø, 4W	SS	200/3	12	PLUG-IN
CMP4421MCH	200	480	3Ø, 4W	SS	200/3	18	BOLT-ON

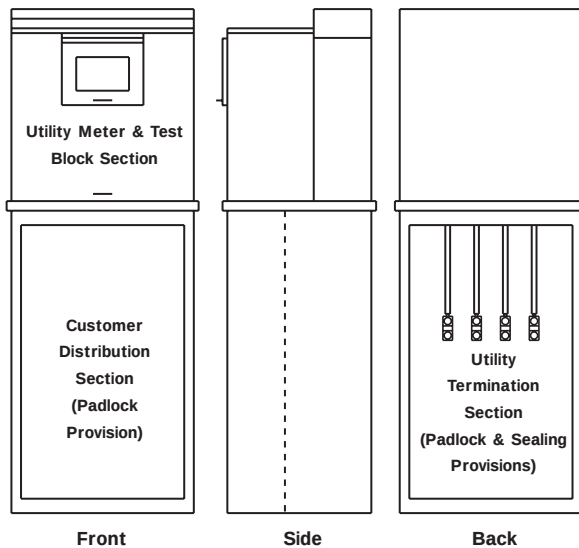
CD = Standard - No By-Pass
 SS = Safety Socket - Test By-Pass
 3Ø, 3W systems also available

Metered Pedestals

Pad Mount Metered



CMP4111MC-1



APPLICATION

- Utility meter, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable utility termination behind padlockable door
- Separate, sealable utility meter compartment behind a padlockable hood that provides full access to utility meter
- Padlockable main disconnect and distribution compartment with space available for custom control (consult sales office for special distribution and control requirements)
- Standard with circuit breaker main disconnect (class 'T' fused pullout also available)
- Sealable utility meter viewing window

STANDARDS

- Meets utility requirements
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (single phase systems)
- Filler plate kit #25319
- Screw type sealing ring #25016D
- Pad mounting base (see chart)

Pad Mount

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE	MOUNTING PAD
CMP4111MC-1	100	240	1Ø, 3W	SS	100/2	12	PLUG-IN	MB1515
CMP4111MCH-1	100	480	1Ø, 3W	SS	100/2	14	BOLT-ON	MB2015
CMP4411MC-1	100	240	3Ø, 4W	SS	100/3	12	PLUG-IN	MB1515
CMP4411MCH-1	100	480	3Ø, 4W	SS	100/3	14	BOLT-ON	MB2015
CMP4121MC-1	200	240	1Ø, 3W	SS	200/2	12	PLUG-IN	MB1515
CMP4121MCH-1	200	480	1Ø, 3W	SS	200/2	18	BOLT-ON	MB2015
CMP4421MC-1	200	240	3Ø, 4W	SS	200/3	12	PLUG-IN	MB1515
CMP4421MCH-1	200	480	3Ø, 4W	SS	200/3	18	BOLT-ON	MB2015

SS = Safety Socket - Test By-Pass
3Ø, 3W systems also available

Metered Pedestals

Pad Mount Metered



CMP4111M-4

APPLICATION

- Utility meter, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable utility termination behind padlockable door
- Separate, sealable utility meter compartment behind a padlockable hood that provides full access to utility meter
- Padlockable main disconnect and distribution compartment with space available for custom control (consult sales office for special distribution and control requirements)
- Standard with circuit breaker main disconnect (class 'T' fused pullout also available)
- Sealable utility meter viewing window

STANDARDS

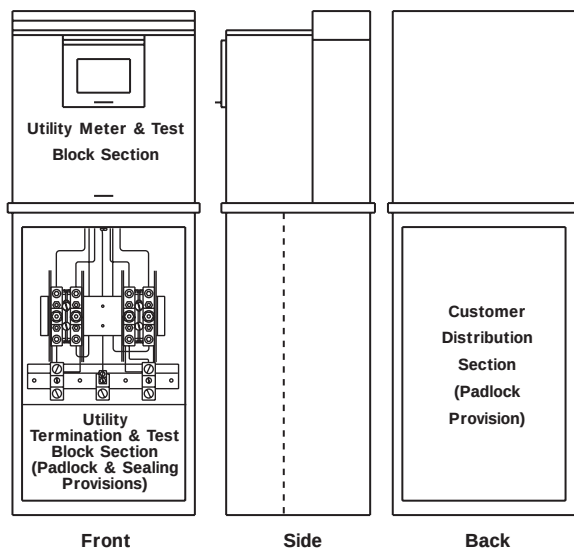
- Meets utility requirements
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (single phase systems)
- Filler plate kit #25319
- Screw type sealing ring #25016D
- Pad mounting base (see chart)



Front

Side

Back

Pad Mount

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE	MOUNTING PAD
CMP4111M-4	100	240	1Ø, 3W	CD	100/2	12	PLUG-IN	MB1515
CMP4111MC-4	100	240	1Ø, 3W	SS	100/2	12	PLUG-IN	MB1515
CMP4111MCH-4	100	480	1Ø, 3W	CD	100/2	14	BOLT-ON	MB2015
CMP4121M-4	200	240	1Ø, 3W	SS	200/2	12	PLUG-IN	MB1515
CMP4121MC-4	200	240	1Ø, 3W	CD	200/2	12	PLUG-IN	MB1515
CMP4121MCH-4	200	480	1Ø, 3W	SS	200/2	18	BOLT-ON	MB2015

CD = Standard - No By-Pass

SS = Safety Socket - Test By-Pass

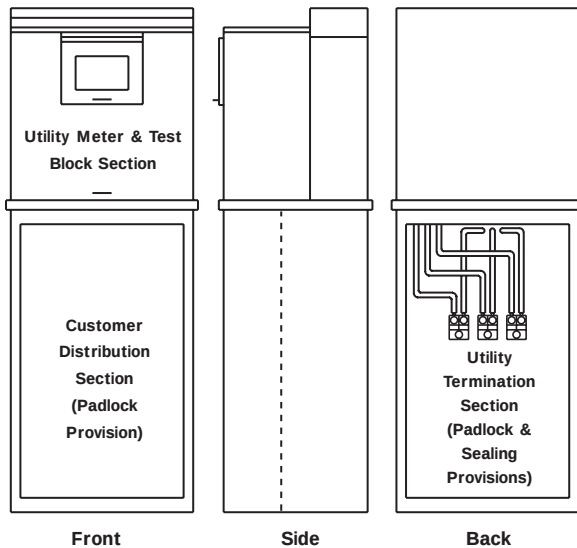
* 42K AIC main breaker standard

Metered Pedestals

Pad Mount - Meter / Load - Split Load Style



CMP4011SLC-1



APPLICATION

- Utility meter, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable utility termination behind padlockable door
- Separate, sealable utility meter compartment behind a padlockable hood that provides full access to utility meter
- Padlockable main disconnect and distribution compartment with space available for custom control (consult sales office for special distribution and control requirements)
- Standard with circuit breaker main disconnect
- Sealable utility meter viewing window

STANDARDS

- Meets utility requirements
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R
- Consult utility for compliance

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (single phase systems)
- Filler plate kit #25319
- Screw type sealing ring #25016D
- Pad mounting base (see chart)

Pad Mount - Meter / Load - Split Load Style

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE	MOUNTING PAD
CMP4011SLC-1	100	240	1Ø, 3W	SS *	60/2 60/2	4 4	PLUG-IN PLUG-IN	MB1515

SS = Safety Socket - Test By-Pass

* This circuit is not metered

Metered Pedestals

Pad Mount - Meter / Load - Dual Meter Style



APPLICATION

- Utility meter, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable utility termination behind padlockable door
- Separate, sealable utility meter compartment behind a padlockable hood that provides full access to utility meter
- Padlockable main disconnect and distribution compartment with space available for custom control (consult sales office for special distribution and control requirements)
- Standard with circuit breaker main disconnect
- Sealable utility meter viewing window

STANDARDS

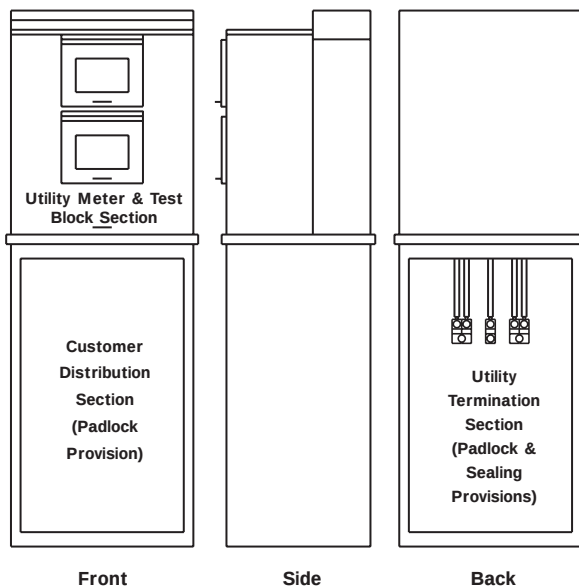
- Meets utility requirements
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R
- Consult utility for compliance

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (single phase systems)
- Filler plate kit #25319
- Screw type sealing ring #25016D
- Pad mounting base (see chart)



Front

Side

Back

Pad Mount - Meter / Load - Dual Meter Style

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE	MOUNTING PAD
CMP4012MC-1	100	240	1Ø, 3W	CD	60/2	4	PLUG-IN	MB1515
				SS	60/2	4	PLUG-IN	
CMP4022MC-1	200	240	1Ø, 3W	CD	60/2	4	PLUG-IN	MB1515
				SS	100/2	12	PLUG-IN	

CD = Standard - No By-Pass

SS = Safety Socket - Test By-Pass

Metered Pedestals

Pad Mount - Meter / Load - Dual Meter Side By Side Style

APPLICATION

- Utility meter, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable utility termination behind padlockable door
- Two separate, sealable utility meter compartments behind padlockable hoods that provide full and separate access to utility meters
- Two separate padlockable main disconnect and distribution compartments. Each has space available for custom control (consult sales office for special distribution and control requirements)
- Standard with circuit breaker main disconnect (class 'T' fused pullout also available)
- Sealable utility meter viewing window

STANDARDS

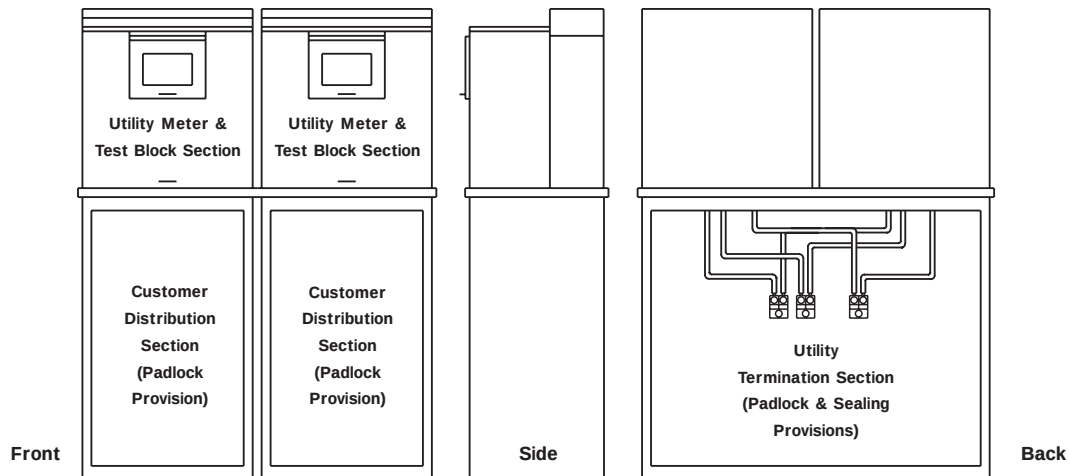
- Meets utility requirements
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R
- Consult utility for compliance

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (single phase systems)
- Filler plate kit #25319
- Screw type sealing ring #25016D
- Pad mounting base (see chart)



Pad Mount - Meter / Load - Dual Meter Side By Side Style

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE	MOUNTING PAD
CM2P4111MC-1	200	240	1Ø, 3W	SS	100/2	12	PLUG-IN	MB3215
				SS	100/2	12	PLUG-IN	
CM2P4411MC-1	200	240	3Ø, 4W	SS	100/3	12	PLUG-IN	MB3215
				SS	100/3	12	PLUG-IN	
CM2P4121MC-1	400	240	1Ø, 3W	SS	200/2	12	PLUG-IN	MB3215
				SS	200/2	12	PLUG-IN	
CM2P4421MC-1	400	240	3Ø, 4W	SS	200/3	12	PLUG-IN	MB3215
				SS	200/3	12	PLUG-IN	

SS = Safety Socket - Test By-Pass
3Ø, 3W systems also available

Metered Pedestals

Pad Mount Un-Metered

APPLICATION

- Termination, main disconnect and distribution panel

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable termination behind padlockable door
- Padlockable main disconnect and distribution compartments with space available for custom control (consult sales office for special distribution and control requirements)
- Standard with circuit breaker main disconnect (class 'T' fused pullout also available)

STANDARDS

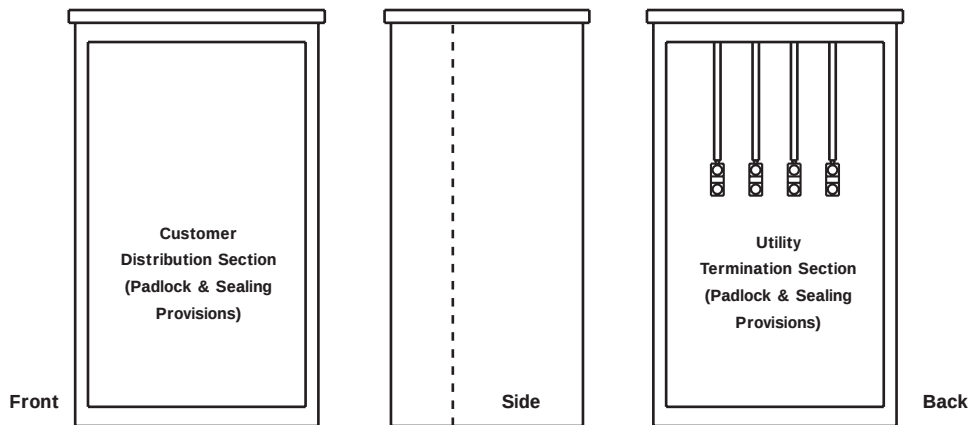
- No utility meter provision, consult utility for compliance
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Filler plate kit #25319
- Pad mounting base (see chart)



Pad Mount - Un-Metered

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	MAIN BREAKER	BRANCH CIRCUITS	BRANCH CIRCUIT TYPE	MOUNTING PAD
CUP4111	100	240	1Ø, 3W	100/2	12	PLUG-IN	MB1515
CUP4111H	100	480	1Ø, 3W	100/2	14	BOLT-ON	MB2015
CUP4411	100	240	3Ø, 4W	100/3	12	PLUG-IN	MB1515
CUP4411H	100	480	3Ø, 4W	100/3	12	BOLT-ON	MB2015
CUP4121	200	240	1Ø, 3W	200/2	12	PLUG-IN	MB1515
CUP4121H	200	480	1Ø, 3W	200/2	18	BOLT-ON	MB2015
CUP4421	200	240	3Ø, 4W	200/3	12	PLUG-IN	MB1515
CUP4421H	200	480	3Ø, 4W	200/3	18	BOLT-ON	MB2015

3Ø, 3W systems also available

Metered Pedestals

Pad Mount Metered

APPLICATION

- Utility meter and main disconnect

CONSTRUCTION

- Type 3R construction
- Pad mount
- Separate, sealable utility termination behind padlockable door
- Separate, sealable utility meter compartment behind padlockable door
- Padlockable main disconnect compartment
- Separate customer control and distribution section behind padlockable door
- Standard with circuit breaker main disconnect (class 'T' fused pullout also available)
- Sealable utility meter viewing window

STANDARDS

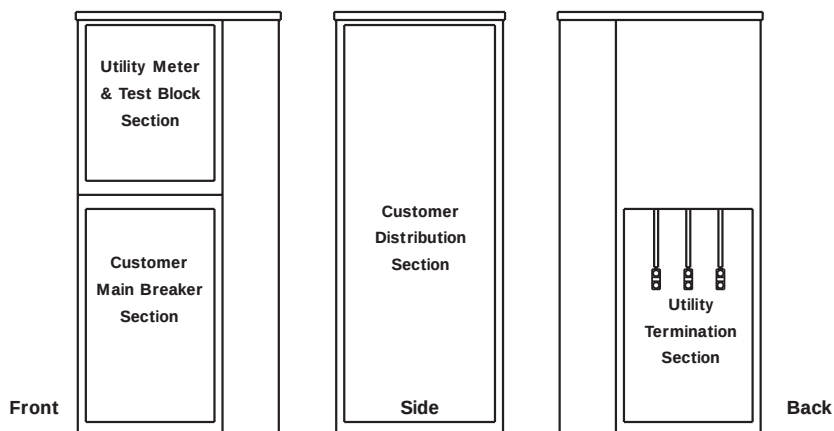
- Consult utility for compliance
- UL listed
- Complies with ANSI C12.7
- Conforms to NEMA Standard for Type 3R

FINISH

- ANSI 61 Gray (consult sales for other finish requirements)
- See page 150 for additional finishes

ACCESSORIES

- Fifth jaw kit #50365 (200 amp service or below, single phase systems)
- Pad mounting base (see chart)



Pad Mount Metered

CATALOG NUMBER	AMPACITY	VOLTAGE	PHASE	METER SOCKET	MAIN BREAKER	DISTRIBUTION & CONTROL	MOUNTING PAD
CMP4911M	100	240	1Ø, 3W	CD	100/2	Per Customer Specification	MB2820
CMP4911MC	100	240	1Ø, 3W	SS	100/2		
CMP4911MCH	100	480	1Ø, 3W	SS	100/2		
CMP4914M	100	240	3Ø, 4W	CD	100/3		
CMP4914MC	100	240	3Ø, 4W	SS	100/3		
CMP4914MCH	100	480	3Ø, 4W	SS	100/3		
CMP4921M	200	240	1Ø, 3W	CD	200/2		
CMP4921MC	200	240	1Ø, 3W	SS	200/2		
CMP4921MCH	200	480	1Ø, 3W	SS	200/2		
CMP4924M	200	240	3Ø, 4W	CD	200/3		
CMP4924MC	200	240	3Ø, 4W	SS	200/3		
CMP4924MCH	200	480	3Ø, 4W	SS	200/3		
CMP4941MN	320	240	1Ø, 3W	MCC	400/2		

CD = Standard - No By-Pass
3Ø, 3W systems also available

MCC = Manual Circuit Closing

SS = Safety Socket - Test By-Pass

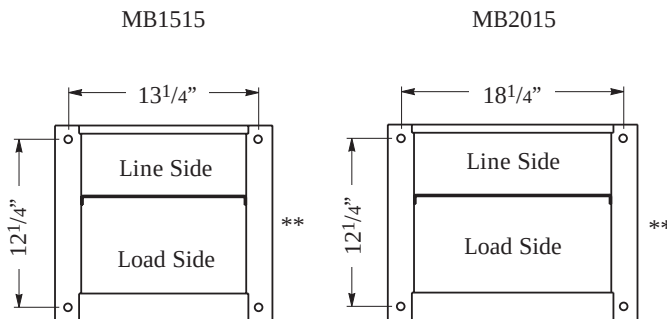
Installation Instructions

CMP-4000 Series

Meter pedestals are designed for pad-mount installation. Two methods can be used to install pedestals on a concrete pad.

1. Use pre-fabricated mounting base assembly.
 - A. Cat. No. MB1515 -
Suitable for 15" wide x 15" deep pedestals.
 - B. Cat. No. MB2015 -
Suitable for 20" wide x 15" deep pedestals.

Install mounting base assembly flush with top surface of concrete pad, allowing mounting studs to reach above pad. Locate line and load conduits in the designated areas as shown on drawings below.



** This Side Must Face North (Alaska)

2. Use anchor bolts (3/8" dia.) pre-cast in concrete pad. Mounting hole dimensions are shown above for 15 x 15 and 20 x 15 pedestals. Locate line and load conduits the same as in method 1.

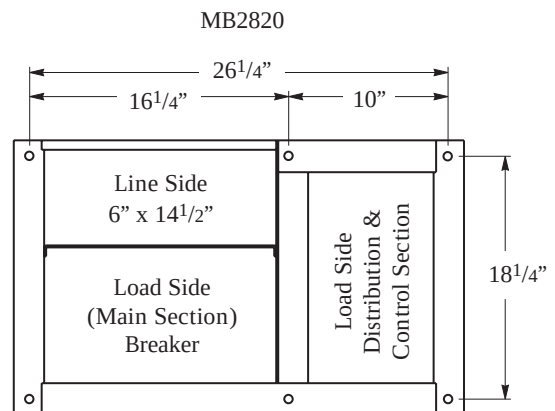
Installation Instructions

CMP-4900 Series

Meter pedestals are designed for pad-mount installation. Two methods can be used to install pedestals on a concrete pad.

1. Use pre-fabricated mounting base assembly.
 - A. Cat. No. MB2820 -
Suitable for 28" wide x 20" deep pedestals. (CMP-4900 Models)

Install mounting base assembly flush with top surface of concrete pad, allowing mounting studs to reach above pad. Locate line and load conduits in the designated areas as shown on drawing below.

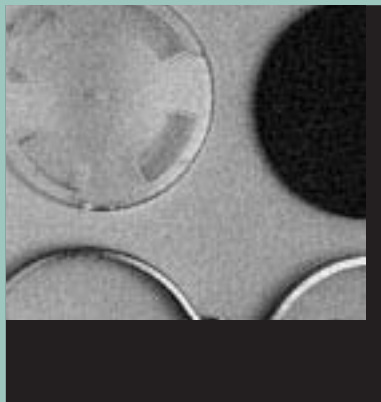
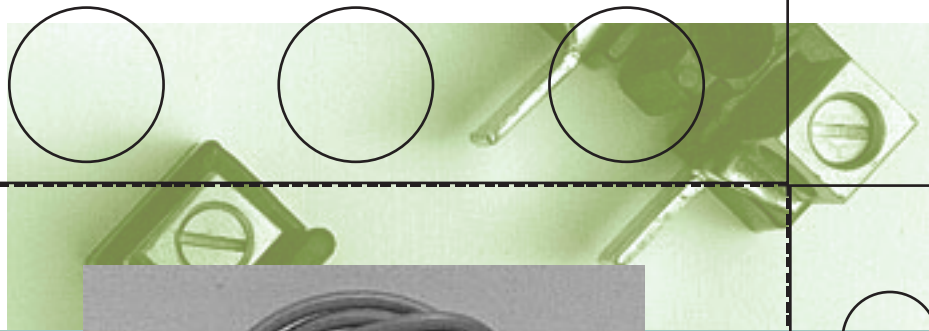


2. Use anchor bolts (3/8" dia.) pre-cast in concrete pad. Mounting hole dimensions are shown above. Locate line and load conduits the same as in method 1.

COOPER B-Line



ACCESSORIES



B-Line

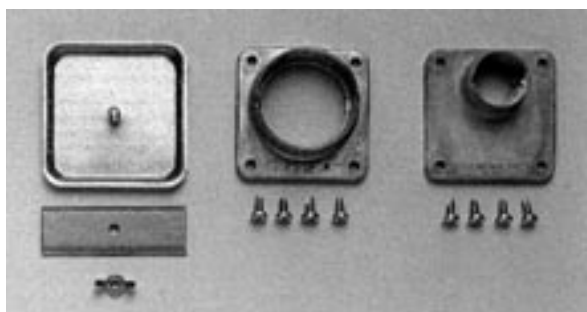




CLOCKWISE FROM TOP LEFT: 30420, 25016A, 25016D, 25162

COVERS & SEALING RINGS FOR

CATALOG NUMBER	DESCRIPTION
30420	Steel Cover For Socket Opening
25162	Clear Lexan Cover For Socket Opening
25016A	Aluminum Snap Type Sealing Ring
25016B	Stainless Steel Snap Type Sealing Ring
25016D	Anodized Aluminum Screw Type Sealing Ring



FROM LEFT: AW CAP, AW200, AW100

AW HUBS

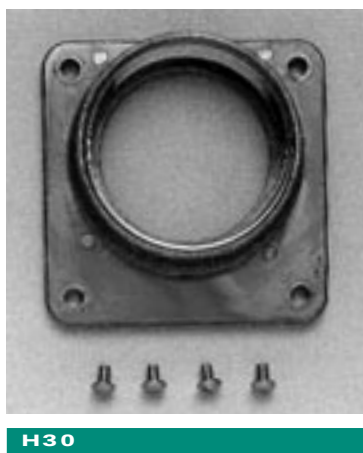
Interchangeable gasketless hubs for conduit sizes 1" through 2½" per ANSI C12.7. All hubs are threaded and secured by bolting hub to top of meter enclosure with tapped holes in enclosure.

CATALOG NUMBER	HUB DESCRIPTION
AW CAP	Cap
AW100	1" Conduit Size
AW125	1¼" Conduit Size
AW150	1½" Conduit Size
AW200	2" Conduit Size
AW250	2½" Conduit Size

H-BASE HUBS

Interchangeable gasketless hubs for conduit sizes 2" through 4" per ANSI C12.7. All hubs are threaded and secured by bolting hub to top of meter enclosure with tapped holes in enclosure.

CATALOG NUMBER	HUB DESCRIPTION
H7	Adapter From Large H-Base Hub To AW Hub
H10	Closure Plate
H20	2" Conduit Size
H25	2½" Conduit Size
H30	3" Conduit Size
H35	3½" Conduit Size
H40	4" Conduit Size



H30

FLUSH TRIM KITS

Flush trim kits are used to change a meter enclosure from a surface mount to a semi-flush. Kits include all necessary hardware and instructions for field installation.

CATALOG NUMBER	FITS ENCLOSURES
FK1432	14 x 32
FK2432	24 x 32
FK2438	24 x 38
FK3038	30 x 38
FK3447	34 x 47
FK1421A	14 x 21½
FK1430	14 x 30
FK2421A	24 x 21½
FK2430A	24 x 30
FK3221A	32 x 21
FK3230	32 x 30
FK2832A	28 x 32½

OVERHEAD CONVERSION KIT

Overhead conversion kits are used on the U404 series to convert meter enclosure from underground to overhead feed. Kit is constructed with knockouts, an H-base hub provision and sealable utility cover. The kit includes (3) mechanical lugs to convert line side stud termination to mechanical termination: stud spacing 1¾" center to center.

Wire range per lug:
 (1) 4 AWG – 600 kcmil
 or (2) 1 AWG – 250 kcmil
 or (2) 2 AWG – 3/0 AWG

CATALOG NUMBER	SIZE (HEIGHT X WIDTH X DEPTH)
CK8326	32" x 8" x 6"



CK8326



R-9002EE
shown

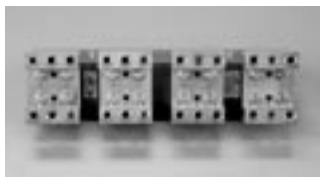


R-9002_ SERIES

LUG - STUD TERMINAL PAD ASSEMBLIES *UL LISTED

Each pad comes complete with insulator.

CATALOG NUMBER	MAX AMPERES	PHASE & NEUTRAL CONDUCTOR	
		LINE	LOAD
R9002C	400 Amp	2 Studs / Ø	6 AWG - 600 kcmil
R9002CC	400 Amp	2 Studs / Ø	6 AWG - 600 kcmil
R9002E	800 Amp	4 Studs / Ø	(3) 4 AWG - 600 kcmil
R9002EE	800 Amp	4 Studs / Ø	(3) 4 AWG - 600 kcmil
R9002F	1200 Amp	6 Studs / Ø	(4) 4 AWG - 600 kcmil
R9002FF	1200 Amp	6 Studs / Ø	(4) 4 AWG - 600 kcmil



R-9002EEL
shown

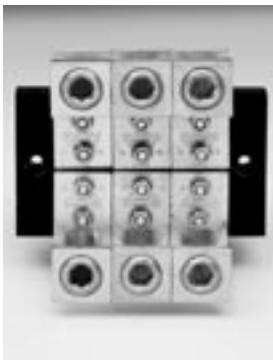


R-9002_L SERIES

LUG - LUG TERMINAL PAD ASSEMBLIES *UL LISTED

Each pad comes complete with insulator.

CATALOG NUMBER	MAX AMPERES	PHASE & NEUTRAL CONDUCTOR	
		LINE	LOAD
R9002CL	400 Amp	(1) 4 AWG- 600 kcmil	(2) 1/0 - 250 kcmil
R9002CCL	400 Amp	(1) 4 AWG- 600 kcmil	(2) 1/0 - 250 kcmil
R9002EL	800 Amp	(3) 4 AWG- 600 kcmil	(6) 1/0 - 250 kcmil
R9002EEL	800 Amp	(3) 4 AWG- 600 kcmil	(6) 1/0 - 250 kcmil
R9002FL	1200 Amp	(4) 4 AWG- 600 kcmil	(8) 1/0 - 250 kcmil
R9002FFL	1200 Amp	(4) 4 AWG- 600 kcmil	(8) 1/0 - 250 kcmil



9005E

TERMINAL LANDING PADS *NOT UL LISTED

Each pad comes complete with insulator.

CATALOG NUMBER	MAX AMPERES	MAX INCOMING/OUTGOING CONDUCTORS
9005B	200 Amp	(1) 250 kcmil
9005BB	200 Amp	(1) 250 kcmil
9005C	400 Amp	(1) 600 kcmil or (2) 250 kcmil
9005D	600 Amp	(2) 600 kcmil or (4) 250 kcmil
9005E	800 Amp	(3) 600 kcmil or (6) 250 kcmil
9005F	1200 Amp	(4) 600 kcmil or (8) 250 kcmil

5TH JAW TERMINAL KITS

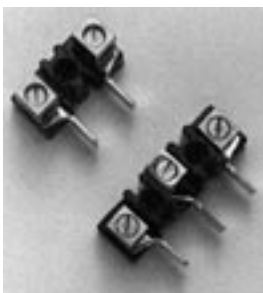
CATALOG NUMBER	DESCRIPTION
50371	100 Amp & 200 AMP, 1Ø, 3W Applications
50365	100 Amp & 200 AMP, 1Ø, 3W Applications

MISCELLANEOUS

CATALOG NUMBER	DESCRIPTION
25104	Insulator - Red Poly-Glass 1 ³ / ₈ "H x 1 ³ / ₈ "D, 3/8" Thread



50371, 50365, 25104



20212A, 20213A

BREAKER STAB ASSEMBLY

CATALOG NUMBER	DESCRIPTION
20212A	2-Pole
20213A	3-Pole
SJ-100	100 & 200 Ampere Jumper Link
25439	Cover Kit For MTB Units



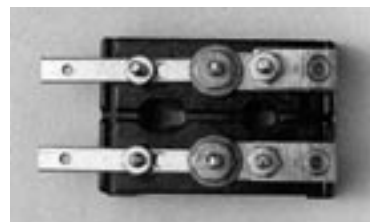
SJ-100



25439

TEST BLOCKS FOR TB SOCKETS

CATALOG NUMBER	DESCRIPTION
20252A	100 Amp, 2-Pole Test Block
20250C	100 Amp, 2-Pole Test Block With Barriers
20252B	200 Amp, 2-Pole Test Block
20251C	200 Amp, 2-Pole Test Block With Barriers
20258A	100 Amp, 2-Pole With Lugs On Both Ends
20258B	200 Amp, 2-Pole With Lugs On Both Ends



20252A

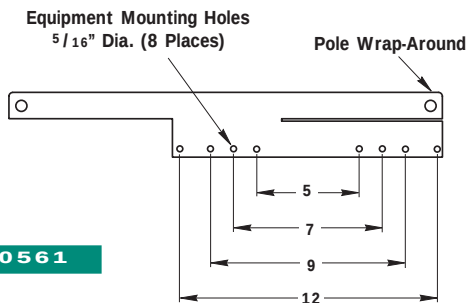
CLASS "T" REPLACEMENT FUSES FOR MTBP AND MTBPL UNITS

CATALOG NUMBER	DESCRIPTION
25339A	100 Amp, 300 Volt
25339B	200 Amp, 300 Volt
25339C	100 Amp, 600 Volt
25339D	200 Amp, 600 Volt

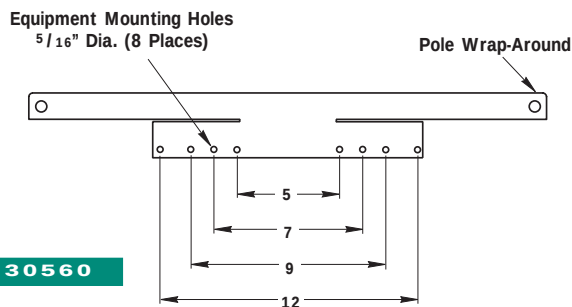
POLE MOUNTING BRACKETS

CATALOG NUMBER	DESCRIPTION
30561*	Offset Mount Pole Mounting Bracket
30560*	Center Mount Pole Mounting Bracket

* Includes two brackets and mounting hardware

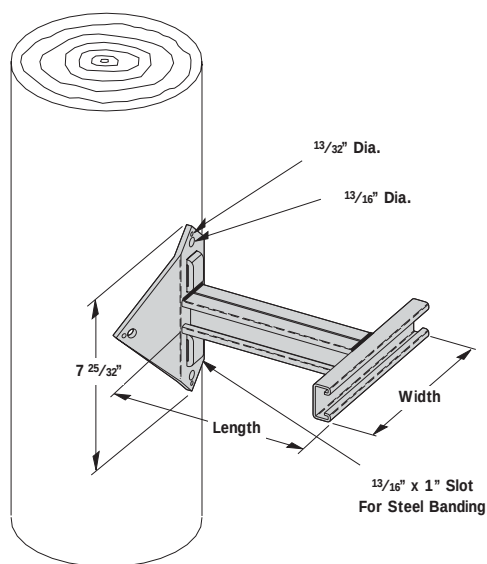


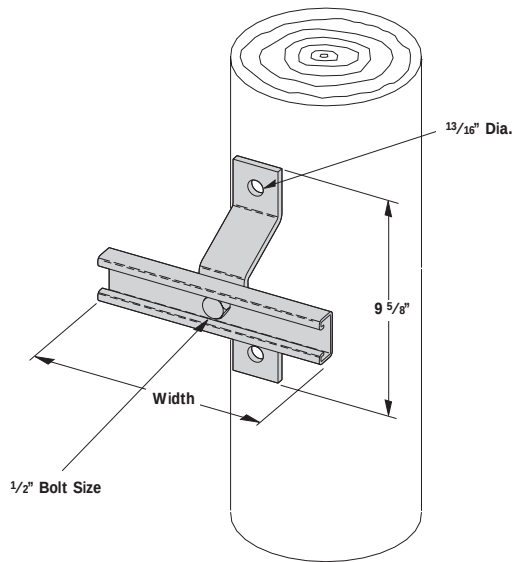
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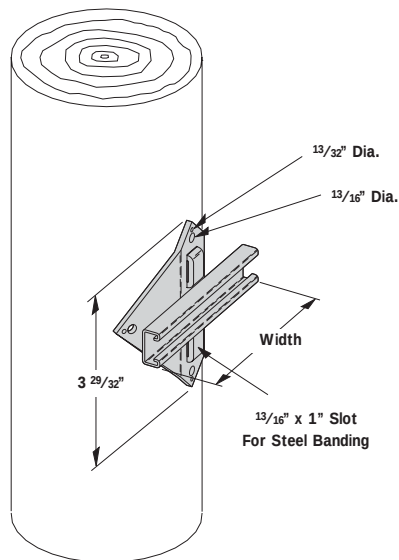
30560

CATALOG NUMBER ZINC PLATED	CATALOG NUMBER HOT-DIP GALVANIZED	WIDTH INCHES	LENGTH INCHES
B852S-8-6ZN	B852S-8-6HDG	8	6
B852S-8-8ZN	B852S-8-8HDG	8	8
B852S-8-10ZN	B852S-8-10HDG	8	10
B852S-8-12ZN	B852S-8-12HDG	8	12
B852S-8-16ZN	B852S-8-16HDG	8	16
B852S-8-18ZN	B852S-8-18HDG	8	18
B852S-8-24ZN	B852S-8-24HDG	8	24
B852S-12-6ZN	B852S-12-6HDG	12	6
B852S-12-8ZN	B852S-12-8HDG	12	8
B852S-12-10ZN	B852S-12-10HDG	12	10
B852S-12-12ZN	B852S-12-12HDG	12	12
B852S-12-16ZN	B852S-12-16HDG	12	16
B852S-12-18ZN	B852S-12-18HDG	12	18
B852S-12-24ZN	B852S-12-24HDG	12	24
B852S-16-6ZN	B852S-16-6HDG	16	6
B852S-16-8ZN	B852S-16-8HDG	16	8
B852S-16-10ZN	B852S-16-10HDG	16	10
B852S-16-12ZN	B852S-16-12HDG	16	12
B852S-16-16ZN	B852S-16-16HDG	16	16
B852S-16-18ZN	B852S-16-18HDG	16	18
B852S-16-24ZN	B852S-16-24HDG	16	24

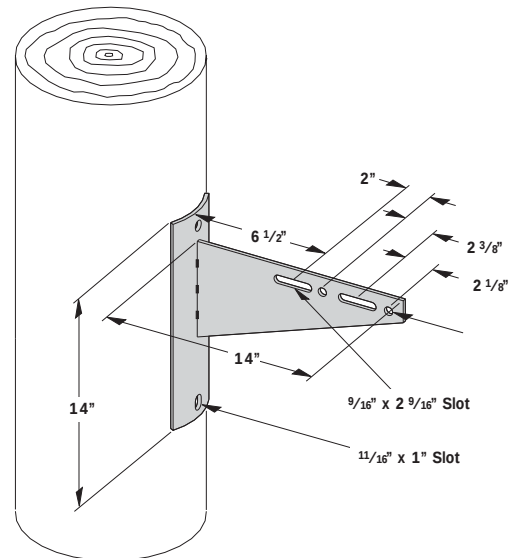




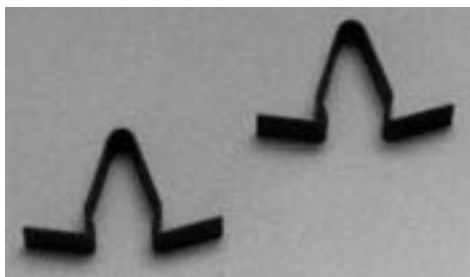
CATALOG NUMBER ZINC PLATED	CATALOG NUMBER HOT-DIP GALVANIZED	WIDTH INCHES
B802D-8ZN	B802D-8HDG	8
B802D-12ZN	B802D-12HDG	12
B802D-16ZN	B802D-16HDG	16



CATALOG NUMBER ZINC PLATED	CATALOG NUMBER HOT-DIP GALVANIZED	WIDTH INCHES
B810-8ZN	B810-8HDG	8
B810-12ZN	B810-12HDG	12
B810-16ZN	B810-16HDG	16



CATALOG NUMBER ZINC PLATED	CATALOG NUMBER HOT-DIP GALVANIZED
B816ZN	B816HDG



SEALC

SEALING DEVICE PACKAGES

Sealing hardware devices are used as replacement pieces for various enclosures and wireway. All hardware is plated.

CATALOG NUMBER	DESCRIPTION	QUANTITY
SEALS	Wire Seal Screw	10
SEALWN	Wire Seal Wing Nut	10
SEALC	Wire Seal Clip	10



SEALS



SEALWN



OIL-TIGHT HOLE SEALS

OIL-TIGHT HOLE SEALS

Protects knockout openings and extra pushbutton or conduit openings from dirt, oil, dust and water. Each hole seal has oil-resistant gasketing and plated stud and wing nut. Available in steel finished with ANSI 61 polyester powder or unpainted stainless steel.

CATALOG NUMBERS		APPLICATION	MAX. HOLE DIAMETER	HOLE SEAL DIAMETER
STEEL	STAINLESS			
SPBG	SPBGSS	Miniature Oil-Tight Pushbutton	0.88	1.22
SPB	SPBSS	Standard Oil-Tight Pushbutton	1.25	1.75
S050	S050SS	1/2" Conduit Holes	0.88	1.38
S075	S075SS	3/4" Conduit Holes	1.06	1.56
S100	S100SS	1" Conduit Holes	1.38	1.88
S125	S125SS	1 1/4" Conduit Holes	1.69	2.19
S150	S150SS	1 1/2" Conduit Holes	2.00	2.50
S200	S200SS	2" Conduit Holes	2.50	3.00
S250		2 1/2" Conduit Holes	3.00	3.50
S300		3" Conduit Holes	3.62	4.12
S350		3 1/2" Conduit Holes	4.12	4.62
S400		4" Conduit Holes	4.62	5.12

GROUND LUG KITS

Grounding Lug Kits are intended to provide a means for equipment grounding for most enclosures. Lug sizes 1/0 and above have a “J” shaped design to lay-in wire and cable. The lug top and fastener are colored green to meet NEC standards for grounding fastener devices.

CATALOG NUMBER	WIRE RANGE	FASTENER
10184 A	#6 - #14 AWG CU/AL	#10-32
10184 B	1/0 - #14 AWG CU/AL	#10-32
10184 C	250 kcmil - 1/0 CU/AL	1/4"-20



10184C, 10184A, 10184B



84032

TOUCH-UP PAINT

Touch-up paint can be used to repair the finish of panels and enclosures. Paint is available in ANSI 61, ANSI 49 and White Enamel in 12oz. spray cans.

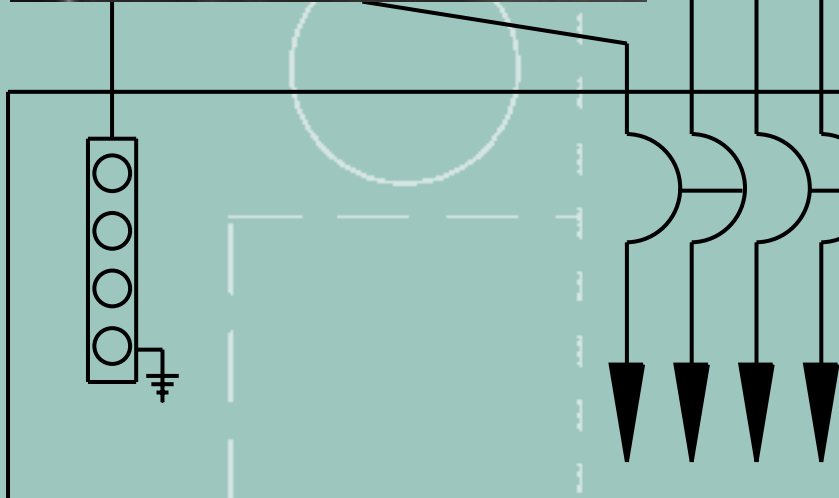
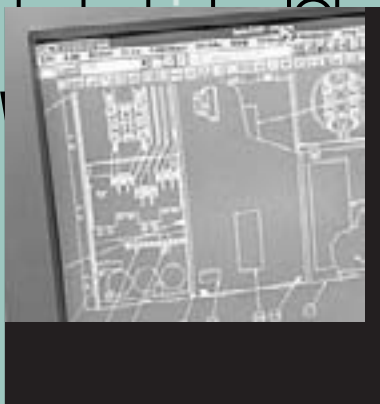
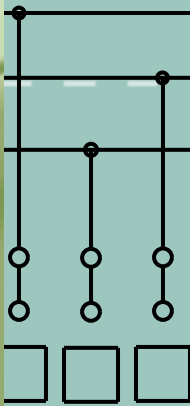
CATALOG NUMBER	PAINT COLOR
84032	ANSI 49 Gray
84033	White Enamel
84034	ANSI 61 Gray

CATALOG NUMBER	AMPS	VOLTS	A.I.C. RATINGS	# POLES	SIEMENS TYPES
25456 A	15	120	10K	1	QP
25456 B	20	120	10K	1	QP
25456 D	30	120	10K	1	QP
25456 F	40	120	10K	1	QP
25456 H	50	120	10K	1	QP
25456 K	60	120	10K	1	QP
25458 A	15	120/240	10K	2	QP
25458 B	20	120/240	10K	2	QP
25458 D	30	120/240	10K	2	QP
25458 F	40	120/240	10K	2	QP
25458 H	50	120/240	10K	2	QP
25458 K	60	120/240	10K	2	QP
25458 L	70	120/240	10K	2	QP
25458 N	90	120/240	10K	2	QP
25458 P	100	120/240	10K	2	QP
25458 S	125	120/240	10K	2	QP
25460 B	20	240	10K	3	QP
25460 D	30	240	10K	3	QP
25460 F	40	240	10K	3	QP
25460 H	50	240	10K	3	QP
25460 K	60	240	10K	3	QP
25460 L	70	240	10K	3	QP
25460 N	90	240	10K	3	QP
25460 P	100	240	10K	3	QP
25462 A	15	120	22K	1	QPH
25462 B	20	120	22K	1	QPH
25462 D	30	120	22K	1	QPH
25464 B	20	120/240	22K	2	QPH
25464 D	30	120/240	22K	2	QPH
25464 F	40	120/240	22K	2	QPH
25464 H	50	120/240	22K	2	QPH
25464 K	60	120/240	22K	2	QPH
25464 L	70	120/240	22K	2	QPH
25464 N	90	120/240	22K	2	QPH
25464 P	100	120/240	22K	2	QPH
25464 S	125	120/240	22K	2	QPH
25466 B	20	240	22K	3	QPH
25466 D	30	240	22K	3	QPH
25466 F	40	240	22K	3	QPH
25466 H	50	240	22K	3	QPH
25466 K	60	240	22K	3	QPH
25466 L	70	240	22K	3	QPH
25466 P	100	240	22K	3	QPH
25468 B	20	120	65K	1	HQP
25470 B	20	120/240	65K	2	HQP
25470 K	60	120/240	65K	2	HQP
25470 L	70	120/240	65K	2	HQP
25470 P	100	120/240	65K	2	HQP
25470 S	125	120/240	65K	2	HQP
25472 B	20	240	65K	3	HQP
25472 D	30	240	65K	3	HQP
25472 F	40	240	65K	3	HQP
25472 H	50	240	65K	3	HQP
25472 K	60	240	65K	3	HQP
25472 P	100	240	65K	3	HQP
25492 A	125	120/240	10K	2	QPP
25492 B	150	120/240	10K	2	QPP
25492 C	175	120/240	10K	2	QPP
25492 D	200	120/240	10K	2	QPP
25494 A	125	120/240	22K	2	QPPH
25494 B	150	120/240	22K	2	QPPH
25494 C	175	120/240	22K	2	QPPH
25494 D	200	120/240	22K	2	QPPH

COOPER B-Line



ENGINEERING DATA



B-Line 

12

PG 171

Before energizing

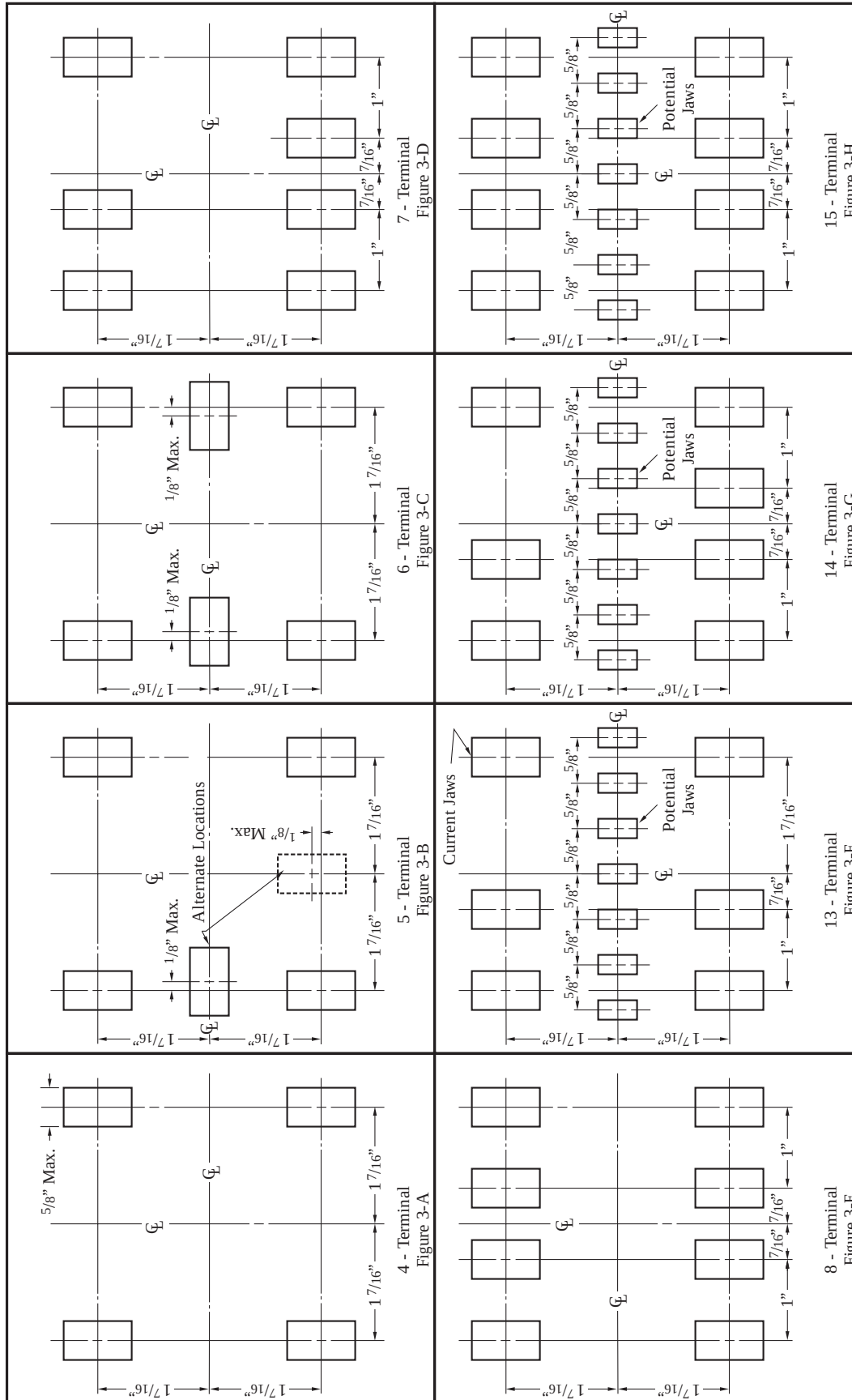
- 1) Give equipment a thorough visual examination to determine that:
 - A) Proper clearances have been maintained
 - B) All connections have been made
 - C) Equipment is clean and dry
- 2) Make a thorough physical examination to verify:
 - A) Tightness of all bolted connections – see table
 - B) Manually operate all circuit breakers, switches, relays, etc.
 - C) Check rigidity of all mountings, bus bars and components
- 3) All switches and circuit breakers should be in the off position
- 4) Mount covers and close doors

Recommend Torque Requirements

SCREW TYPE	SCREW SIZE	TORQUE	TOLERANCES
Slotted or Phillips	#10-32	30 in.-lbs.	5 in.-lbs.
	#12-24	38 in.-lbs.	5 in.-lbs.
	1/4"-20	45 in.-lbs.	5 in.-lbs.
	5/16"-18	60 in.-lbs.	5 in.-lbs.
SCREW TYPE	SCREW SIZE	TORQUE	TOLERANCES
Hex Head	1/4"-20	72 in.-lbs.	10 in.-lbs.
	5/16"-18	85 in.-lbs.	10 in.-lbs.
	3/8"-16	175 in.-lbs.	15 in.-lbs.
	7/16"-14	399 in.-lbs.	20 in.-lbs.
	1/2"-13	375 in.-lbs.	25 in.-lbs.

*Use 80-in.-lbs. when threaded in aluminum bus connection.

Location of Socket Jaws (Front view)



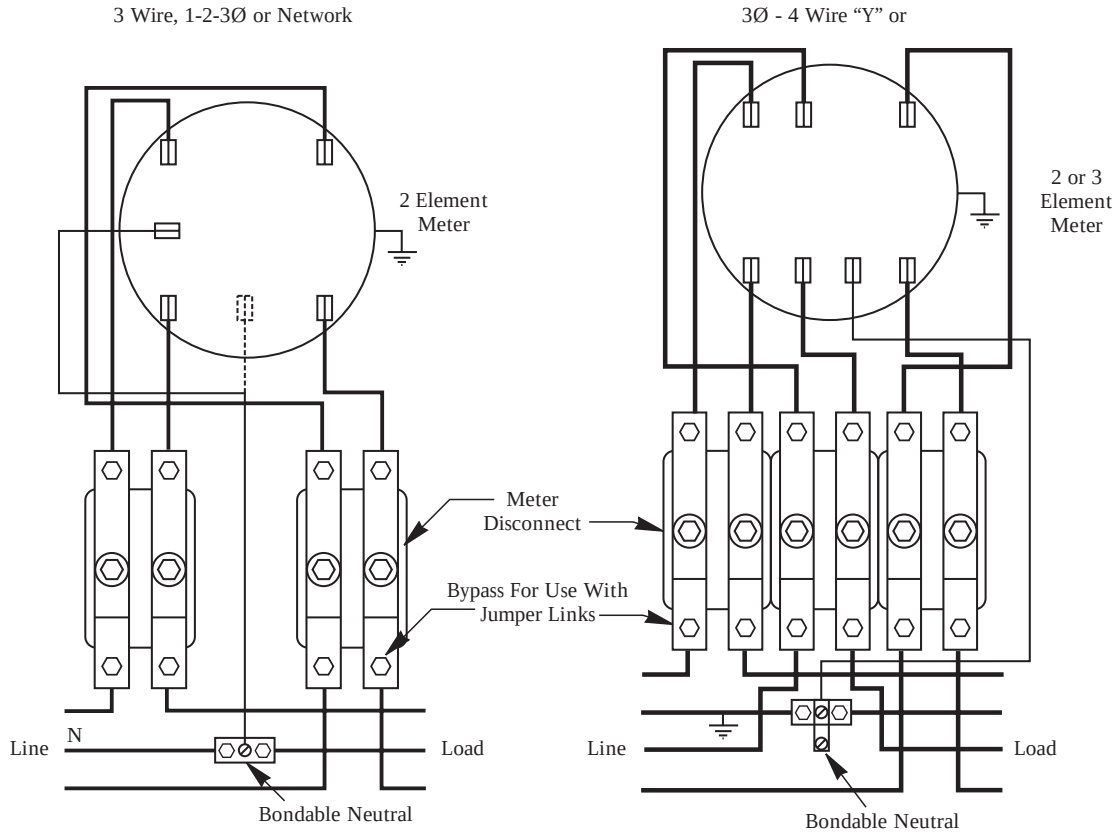
All dimensions in inches

Tolerances $\pm 1/64$ on any single dimension and $\pm 1/32$ on any cumulative dimension

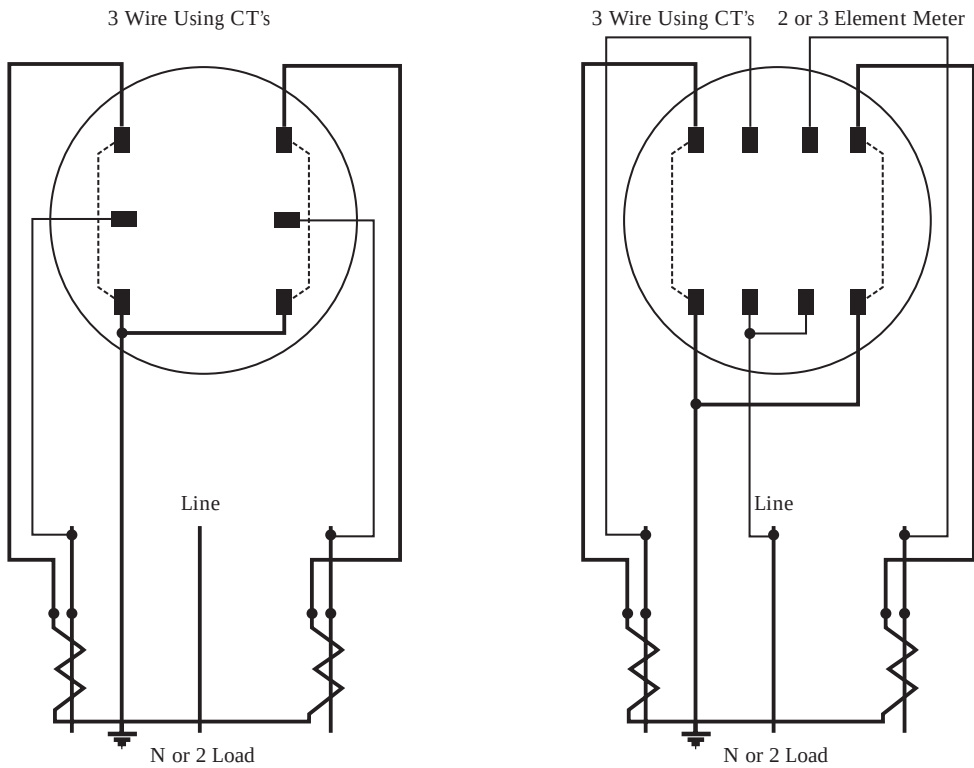
Φ refers to Fig. 1 center lines

ANSI C12.7-1999 Standard
Reproduced by permission from NEMA

With Safety Test By-Pass Blocks

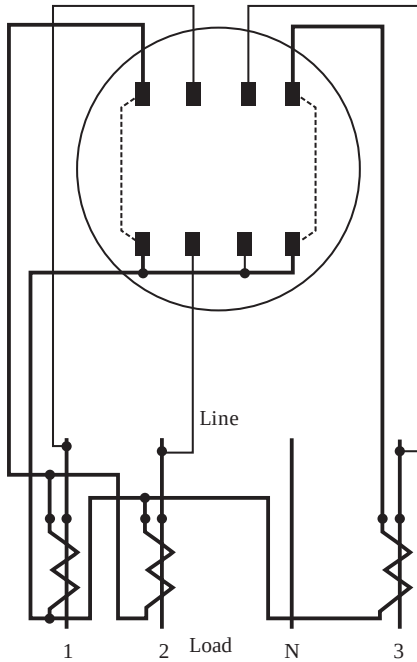


Current Transformer Installations

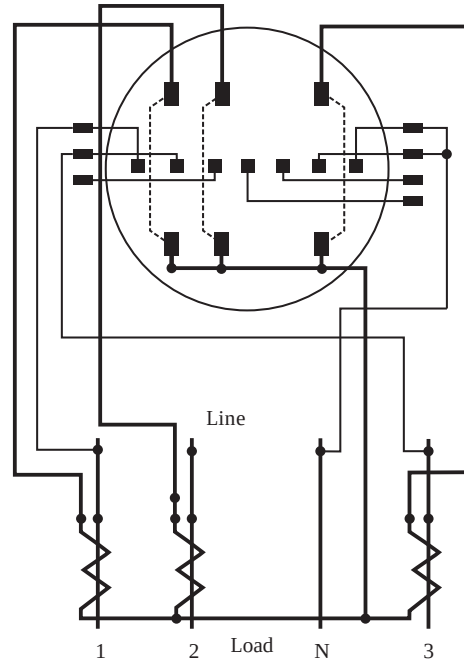


Current Transformer Installations

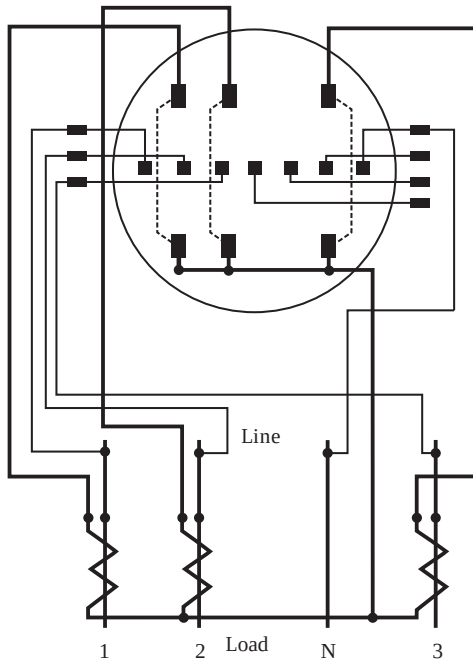
3Ø - 4Wire "Y" Using CT's
2 or 3 Element Meter



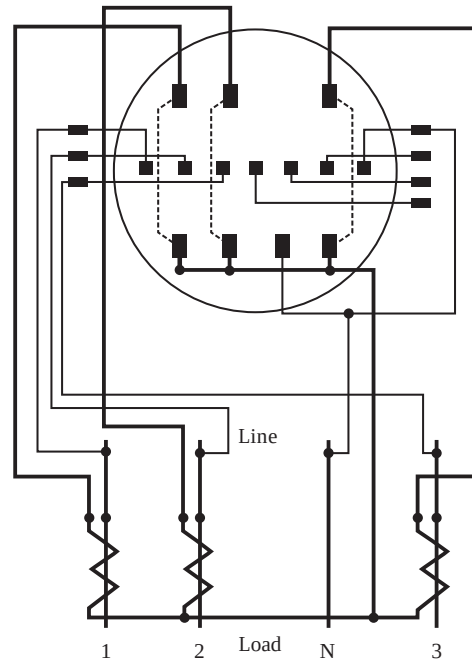
3Ø - 4Wire "Y" or Using CT's
2 or 3 Element Meter



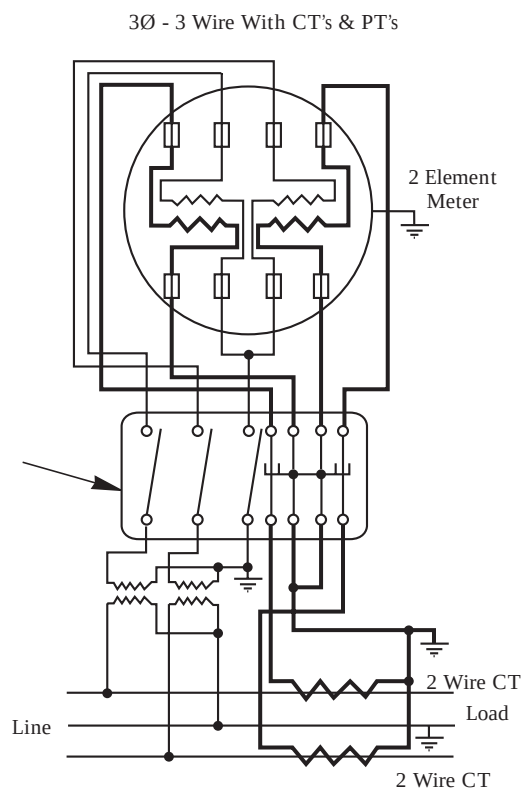
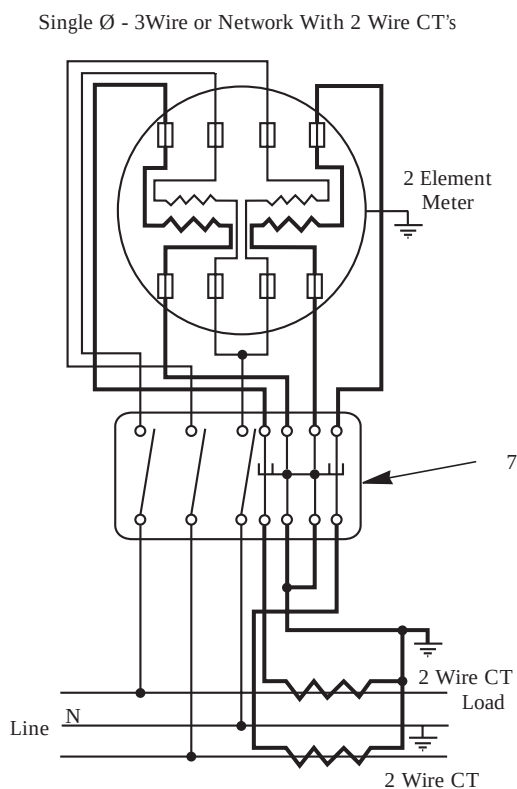
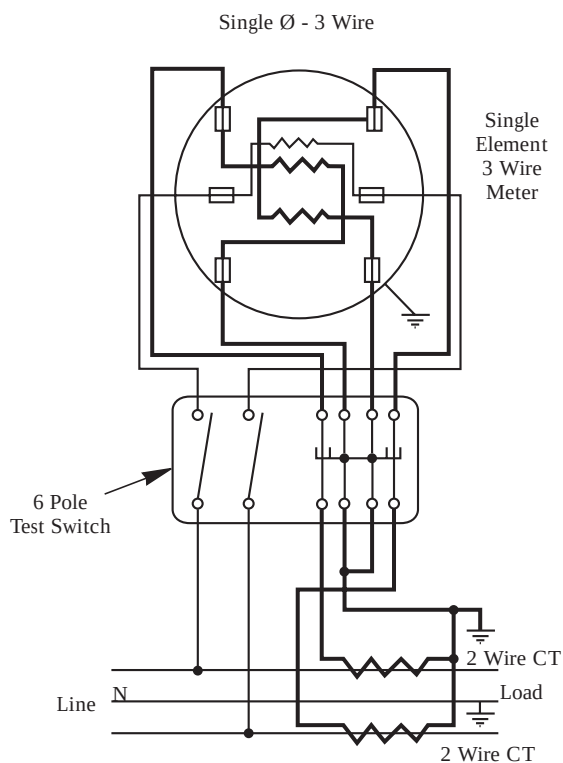
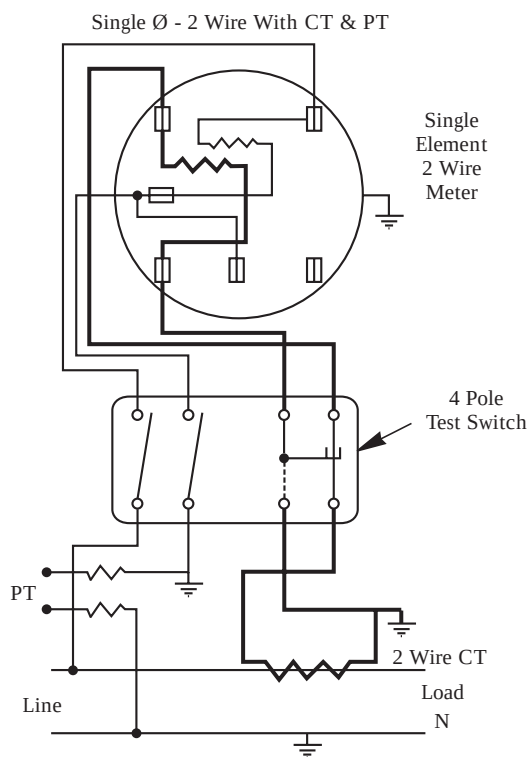
3Ø - 4Wire Using CT's
2 Element Meter



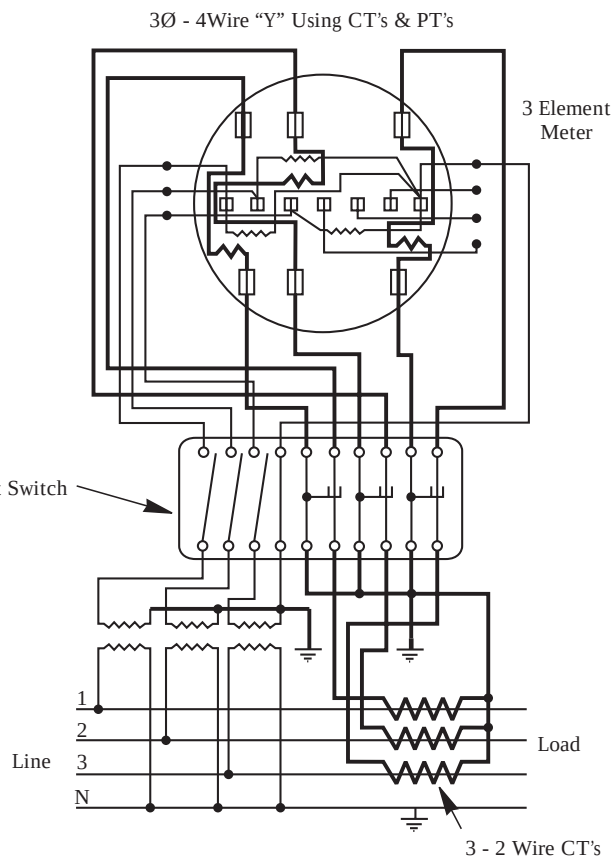
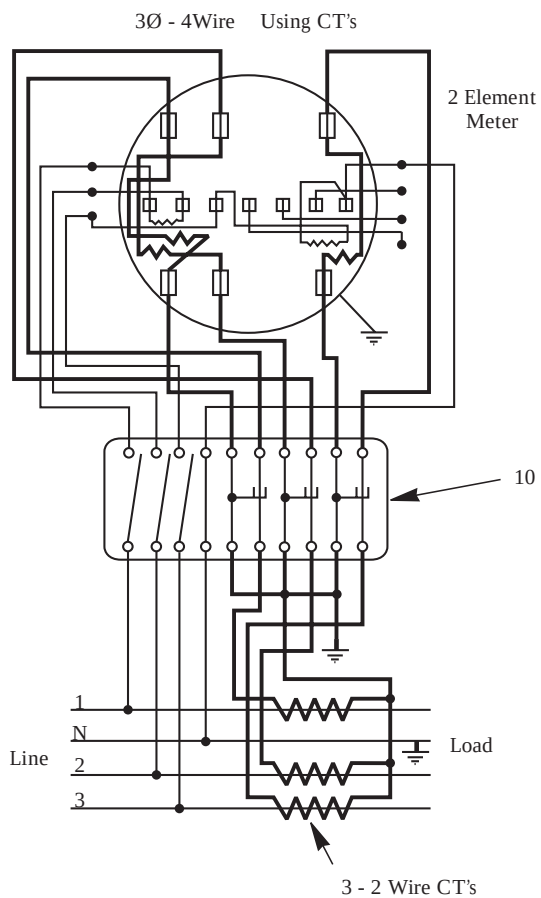
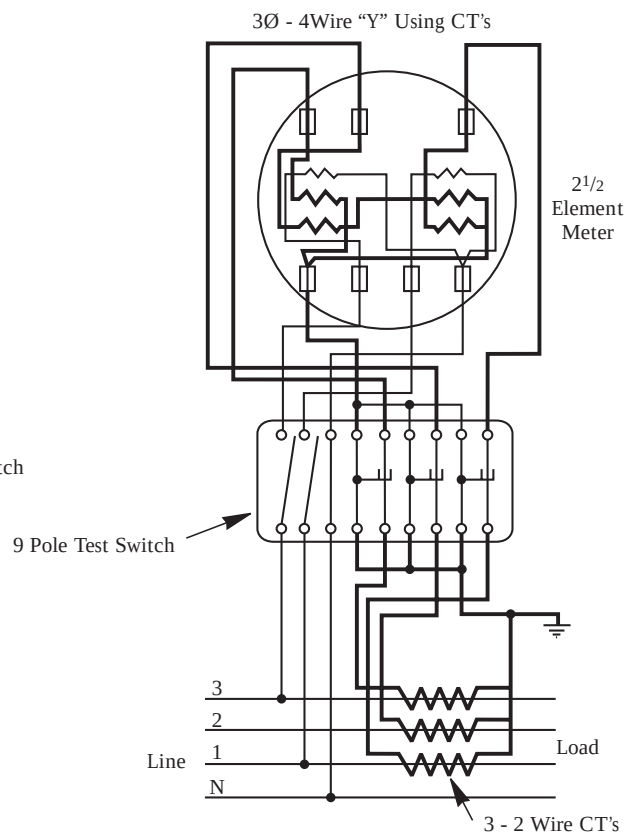
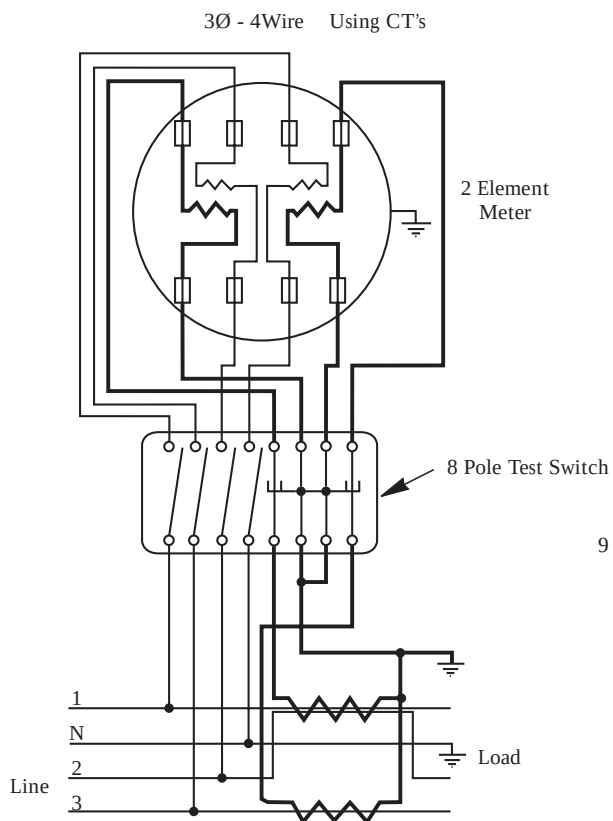
3Ø - 4Wire Using CT's
3 Element Meter



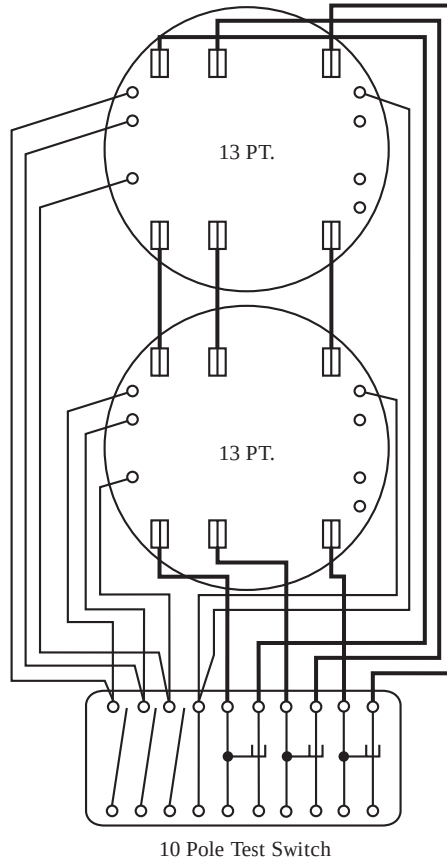
Current Transformer Installations



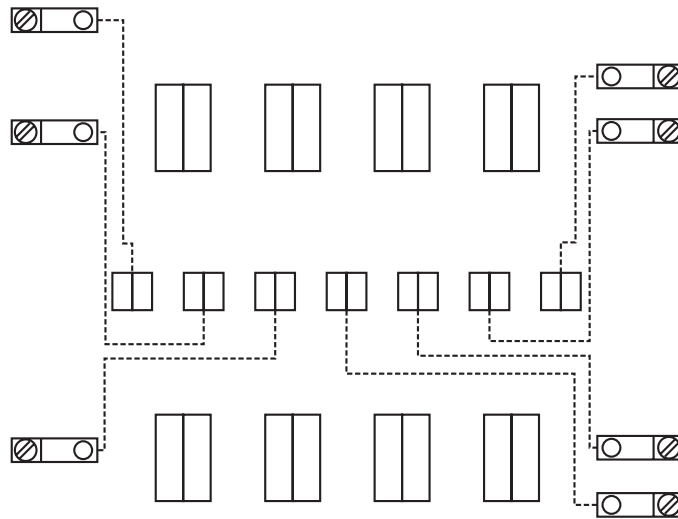
Current Transformer Installations



3Ø - 4Wire
Watt-hour & Reactive CT - Rated Meter Sockets



Internal Potential Wiring of 13, 14, & 15 Jaw Sockets



Front View

Bonding Jumper

AMPERE RATING NOT EXCEEDING	SIZE OF MAIN BONDING JUMPER (MINIMUM) ^{a,b,c}		CROSS SECTION OF MAIN BONDING JUMPER IN SQUARE INCHES (MINIMUM) ^{a,b,c}		GROUNDED SERVICE CONDUCTOR (MINIMUM)	
	Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
90	8	6	0.013 ^d	0.021 ^d	8	6
100	6	4	0.021 ^d	0.033 ^d	6	4
125	6	4	0.021 ^d	0.033 ^d	6	4
150	6	4	0.021 ^e	0.033 ^e	6	4
200	4	2	0.033 ^e	0.052 ^e	4	4
300	2	1/0	0.052 ^{f,g}	0.083 ^{f,g}	4	1/0
400	1/0 ^h	3/0 ^h	0.083 ^{g,h}	0.132 ^{g,h}	1/0	3/0 ^h
500	0	3/0	0.083	0.132	1/0	3/0
600	2/0	4/0	0.105	0.166	2/0	4/0
800	2/0	4/0	0.105	0.166	2/0	4/0
1000	3/0	250 kcmil	0.132	0.196	3/0	250 kcmil
1200	250 kcmil	300 kcmil	0.196	0.196	250 kcmil	250 kcmil
1600	300 kcmil	400 kcmil	0.236	0.314	300 kcmil	400 kcmil
2000	400 kcmil	500 kcmil	0.314	0.393	400 kcmil	500 kcmil

- ^a The cross section may be reduced to 12.5 percent of the total cross section of the largest main service conductor(s) of the same material (copper or aluminum) for any phase on equipment rated 1200 amperes and above.
- ^b For equipment rated 1200 amperes or more and that has wiring terminals intended to connect service conductor wires sized larger than 600 kcmil copper or 750 kcmil aluminum, the cross section of the main bonding jumper shall be at least 12.5 percent of the the total cross section of the largest main service entrance conductor(s) of the same material (copper or aluminum) for any phase.
- ^c SI Equivalents:
- ^d A No. 8 (4.2 mm diameter) or larger brass or No. 10 (4.8mm diameter) or larger steel screw may be used.
- ^e A No. 10 or larger brass or steel screw may be used.
- ^f A No. 10 or larger brass screw may be used.
- ^g A 1/4 inch (6.4mm) diameter or larger brass or steel screw may be used.
- ^h When the ampere rating is 400 and the wire terminal connectors for the main service conductors are rated for two No. 3/0 AWG copper or two No. 250 kcmil aluminum conductor, but will not accept a 600 kcmil conductor, these values may be reduced to No. 2 AWG (0.052 square inch) copper or No. 0 AWG (0.083 square inch) aluminum.

WIRE SIZE, AWG	MIN. CROSS SECTION (MM ²)	WIRE SIZE	MIN. CROSS SECTION (MM ²)
8	8.4	4/0	107
6	13.3	250 kcmil	126
4	21.2	200 kcmil	152
2	33.6	400 kcmil	203
1/0	53.5	500 kcmil	253
2/0	67.4	600 kcmil	304
3/0	85.0	750 kcmil	380

The meter sockets shown in this section have certain short circuit current ratings when used in conformance with the tables below:

WHEN USED IN CONJUNCTION WITH FUSE OR BREAKER	THIS METER SOCKET IS RATED FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN	At Volts Max.
--	--	---------------

Class 100 Meter Sockets

100Amp class J, T, RK1 or RK5 fuse	100,000 RMS Symmetrical Amperes	600
100Amp Siemens type "HQP" circuit breaker	65,000* RMS Symmetrical Amperes	240
100Amp Westinghouse type "QHPX" circuit breaker	42,000* RMS Symmetrical Amperes	240
100Amp listed circuit breaker	25,000* RMS Symmetrical Amperes	240

Class 200 Meter Sockets

200Amp class J or T fuse	200,000 RMS Symmetrical Amperes	600
200Amp class RK-1 fuse	42,000 RMS Symmetrical Amperes	480
200Amp Siemens type "HFD6" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJ2-H" circuit breaker	42,000* RMS Symmetrical Amperes	240
200Amp Siemens type "QJH2" circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp West. type "CAH" circuit breaker	22,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker (1Ø only)	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

Class 320 Meter Sockets

400Amp class J or T fuse	100,000* RMS Symmetrical Amperes	600
400Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240
125Amp listed circuit breaker	22,000* RMS Symmetrical Amperes	240
200Amp listed circuit breaker	18,000* RMS Symmetrical Amperes	240

**Not in excess of the circuit breaker interrupting rating*

Note: This table does not apply to meter-breaker units or to CT rated sockets

Allowable ampacities of insulated conductors rated 0 through 2000 volts, 60° to 90°C (140° to 194°F). Not more than three current-carrying conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30°C (86°F).

NEC Table 310-16

Size	Temperature rating of conductor						Size
AWG kcmil	60°C (140°)	75°C (167°F)	90°C (194°F)	60°C (140°F)	75°C (167°F)	90°C (194°F)	AWG kcmil
	TYPES TW†, UF†	TYPES FEPW†, RH†, RHW†, THHW† THW†, THWN† XHHW†, USE† ZW†	TYPES TBS, SA, SIS FEP†, FEPB† MI, RHH†, RHW-2, THHN† THHW†, THW-2† THWN-2†, USE-2, XHH, XHHW†, XHHW-2 ZW-2	TYPES TW†, UF†	TYPES RH†, RHW†, THHW†, THW†, THWN†, XHHW†, USE†	TYPES TBS, SA, SIS, THHN†, THHW†, THWN-2, THW-2, RHH†, RHW-2, USE-2, XHH, XHHW, XHHW-2, ZW-2	
	COPPER			ALUMINUM OR COPPER-CLAD ALUMINUM			
18	.....	.....	14	.....	.....	.....	.....
16	.....	.....	18	.....	.....	.....	.....
14	20†	20†	25†	.....	.....	.....	.....
12	25†	25†	30†	20†	20†	25†	12
10	30	35†	40†	25	30†	35†	10
8	40	50	55	30	40	45	8
6	55	65	75	40	50	60	6
4	70	85	95	55	65	75	4
3	85	100	110	65	75	85	3
2	95	115	130	75	90	100	2
1	110	130	150	85	100	115	1
1/0	125	150	170	100	120	135	1/0
2/0	145	175	195	115	135	150	2/0
3/0	165	200	225	130	155	175	3/0
4/0	195	230	260	150	180	205	4/0
250	215	255	290	170	205	230	250
300	240	285	320	190	230	255	300
350	260	310	350	210	250	280	350
400	280	335	380	225	270	305	400
500	320	380	430	260	310	350	500
600	355	420	475	285	340	385	600
700	385	460	520	310	375	420	700
750	400	475	535	320	385	435	750
800	410	490	555	330	395	450	800
900	435	520	585	355	425	480	900
1000	455	545	615	375	445	500	1000
1250	495	590	665	405	485	545	1250
1500	520	625	705	435	520	585	1500
1750	545	650	735	455	545	615	1750
2000	560	665	750	470	560	630	2000

Correction Factors

Ambient Temp. °C	For ambient temperatures other than 30°C (86°F), multiply the allowable ampacities shown above by the appropriate factor shown below.						Ambient Temp. °F
21-25	1.08	1.05	1.04	1.08	1.05	1.04	70-77
26-30	1.00	1.00	1.00	1.00	1.00	1.00	78-86
31-35	0.91	0.94	0.96	0.91	0.94	0.96	87-95
36-40	0.82	0.88	0.91	0.82	0.88	0.91	96-104
41-45	0.71	0.82	0.87	0.71	0.82	0.87	105-113
46-50	0.58	0.75	0.82	0.58	0.75	0.82	114-122
51-55	0.41	0.67	0.76	0.41	0.67	0.76	123-131
56-60	.....	0.58	0.71	.....	0.58	0.71	132-140
61-70	.....	0.33	0.58	.....	0.33	0.58	141-158
71-80	.....	.....	0.41	.....	.....	0.41	159-176

† Unless otherwise specifically permitted elsewhere in this Code, the overcurrent protection for conductor types marked with an obelisk (†) shall not exceed 15 amperes for No. 14, 20 amperes for No. 12, and 30 amperes for No. 10 copper; or 15 amperes for No. 12 and 25 amperes for No. 10 aluminum and copper-clad aluminum after any correction factors for ambient temperature and number conductors have been applied.

Minimum wire bending space at terminals and minimum width of wiring gutters

NEC Table 312.6(A)

AWG OR CIRCULAR-MIL SIZE OF WIRE	WIRES PER TERMINAL									
	1		2		3		4		5	
	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.
14-10	Not specified		—	—	—	—	—	—	—	—
8-6	38.1	1 1/2	—	—	—	—	—	—	—	—
4-3	50.8	2	—	—	—	—	—	—	—	—
2	63.5	2 1/2	—	—	—	—	—	—	—	—
1	76.2	3	—	—	—	—	—	—	—	—
1/0-2/0	88.9	3 1/2	—	—	—	—	—	—	—	—
3/0-4/0	102	4	127	5	—	—	—	—	—	—
250 kcmil	114	4 1/2	152	6	203	8	—	—	—	—
300-350 kcmil	127	5	152	6	203	8	254	10	—	—
400-500 kcmil	152	6	203	8	254	10	305	12	—	—
600-700 kcmil	203	8	203	8	254	10	305	12	456	14
750-900 kcmil	203	8	254	10	305	12	356	14	406	16
1000-1250 kcmil	254	10	305	12	356	14	406	16	457	18
1500-2000 kcmil	305	12	—	—	—	—	—	—	—	—

Bending space at terminals shall be measured in a straight line from the end of the lug or wire connector (in the direction that the wire leaves the terminal) to the wall, barrier or obstruction.

Minimum wire bending space at terminals

NEC Table 312.6(B)

WIRE SIZE (AWG OR KCMIL)		WIRES PER TERMINAL							
		1		2		3		4 OR MORE	
ALL OTHER CONDUCTORS	COMPACT STRANDED AA-8000 ALUMINUM ALLOY CONDUCTORS (SEE NOTE 3.)	MM	IN.	MM	IN.	MM	IN.	MM	IN.
14-10	12-8	Not Specified		—	—	—	—	—	—
8	6	38.1	1 1/2	—	—	—	—	—	—
6	4	50.8	2	—	—	—	—	—	—
4	2	76.2	3	—	—	—	—	—	—
3	1	76.2	3	—	—	—	—	—	—
2	1/0	88.9	3 1/2	—	—	—	—	—	—
1	2/0	114	4 1/2	—	—	—	—	—	—
1/0	3/0	140	5 1/2	140	5 1/2	178	7	—	—
2/0	4/0	152	6	152	6	190	7 1/2	—	—
3/0	250	165 ^a	6 1/2 ^a	165 ^a	6 1/2 ^a	203	8	—	—
4/0	300	178 ^b	7 ^b	190 ^c	7 1/2 ^c	216 ^a	8 1/2 ^a	—	—
250	350	216 ^d	8 1/2 ^d	229 ^b	8 1/2 ^b	254 ^b	9 ^b	254	10
300	400	254 ^e	10 ^e	254 ^d	10 ^d	279 ^b	11 ^b	305	12
350	500	305 ^e	12 ^e	305 ^e	12 ^e	330 ^e	13 ^e	356 ^d	14 ^d
400	600	330 ^e	13 ^e	330 ^e	13 ^e	356 ^e	14 ^e	381 ^e	15 ^e
500	700-750	356 ^e	14 ^e	356 ^e	14 ^e	381 ^e	15 ^e	406 ^e	16 ^e
600	800-900	381 ^e	15 ^e	406 ^e	16 ^e	457 ^e	18 ^e	483 ^e	19 ^e
700	1000	406 ^e	16 ^e	457 ^e	18 ^e	508 ^e	20 ^e	559 ^e	22 ^e
750	—	432 ^e	17 ^e	483 ^e	19 ^e	559 ^e	22 ^e	610 ^e	24 ^e
800	—	457	18	508	20	559	22	610	24
900	—	483	19	559	22	610	24	610	24
1000	—	508	20	—	—	—	—	—	—
1250	—	559	22	—	—	—	—	—	—
1500	—	610	24	—	—	—	—	—	—
1750	—	610	24	—	—	—	—	—	—
2000	—	610	24	—	—	—	—	—	—

- Bending space at terminals shall be measured in a straight line from the end of the lug or wire connector in a direction perpendicular to the enclosure wall.
- For removable and lay-in wire terminals intended for only one wire, bending space shall be permitted to be reduced by the following number of millimeters (inches) :
^a 12.7mm (1/2 in.) ^b 25.4mm (1 in.) ^c 38.1mm (1 1/2 in.) ^d 50.8mm (2 in.) ^e 76.2mm (3 in.)
- This column shall be permitted to determine the required wire-bending space for compact stranded aluminum conductors in sizes up to 1000 kcmil and manufactured using AA-8000 series electrical grade aluminum alloy conductor material in accordance with 310.14.

NEC Table 8

SIZE AWG/kcmil	AREA Cir. MILLS	CONDUCTORS				DC RESISTANCE AT 75° C (167°F)		
		Stranding		Overall		Copper		Aluminum
		QUANTITY	DIAM. IN.	DIAM. IN.	AREA IN. ²	UNCOATED OHM/kFT	COATED OHM/kFT	OHM/kFT
18	1620	1	—	0.040	0.001	7.77	8.08	12.8
18	1620	7	0.015	0.046	0.002	7.95	8.45	13.1
16	2580	1	—	0.051	0.002	4.89	5.08	8.05
16	2580	7	1.019	0.058	0.003	4.99	5.29	8.21
14	4110	1	—	0.064	0.003	3.07	3.19	5.06
14	4110	7	0.024	0.073	0.004	3.14	3.26	5.17
12	6530	1	—	0.081	0.005	1.93	2.01	3.18
12	6530	7	0.030	0.092	0.006	1.98	2.05	3.25
10	10380	1	—	0.102	0.008	1.21	1.26	2.00
10	10380	7	0.038	0.116	0.011	1.24	1.29	2.04
8	16510	1	—	0.128	0.013	0.764	0.786	1.26
8	16510	7	0.049	0.146	0.017	0.778	0.809	1.28
6	26240	7	0.061	0.184	0.027	0.491	0.510	0.808
4	41740	7	0.077	0.232	0.042	0.308	0.321	0.508
3	52620	7	0.087	0.260	0.053	0.245	0.254	0.403
2	66360	7	0.097	0.292	0.067	0.194	0.201	0.319
1	83690	19	0.066	0.332	0.087	0.154	0.160	0.253
1/0	105600	19	0.074	0.372	0.109	0.122	0.127	0.201
2/0	133100	19	0.084	0.418	0.137	0.0967	0.101	0.159
3/0	167800	19	0.094	0.470	0.173	0.0766	0.0797	0.126
4/0	211600	19	0.106	0.528	0.219	0.0608	0.0626	0.100
250	—	37	0.082	0.575	0.260	0.0515	0.0535	0.0847
300	—	37	0.090	0.630	0.312	0.0429	0.0446	0.0707
350	—	37	0.097	0.681	0.364	0.0367	0.0382	0.0605
400	—	37	0.104	0.728	0.416	0.0321	0.0331	0.0529
500	—	37	0.116	0.813	0.519	0.0258	0.0265	0.0424
600	—	61	0.099	0.893	0.626	0.0214	0.0223	0.0353
700	—	61	0.107	0.964	0.730	0.0184	0.0189	0.0303
750	—	61	0.111	0.998	0.782	0.0171	0.0176	0.0282
800	—	61	0.114	1.030	0.834	0.0161	0.0166	0.0265
900	—	61	0.122	1.094	0.940	0.0143	0.0147	0.0235
1000	—	61	0.128	1.152	1.042	0.0129	0.0132	0.0212
1250	—	91	0.117	1.289	1.305	0.0103	0.0106	0.0169
1500	—	91	0.128	1.412	1.566	0.00858	0.00883	0.0141
1750	—	127	0.117	1.526	1.829	0.00735	0.00756	0.0121
2000	—	127	0.126	1.632	2.092	0.00643	0.00662	0.0106

NOTES:

These resistance values are valid only for the parameters given. Using conductors having coated strands, different stranding type, and, especially, other temperatures changes the resistance.

Formula for temperature change: $R_2 = R_1 [1 + a(T_2 - 75)]$ where: $a_{cu} = 0.00323$, $a_{AL} = 0.00330$.

Conductors with compact and compressed stranding have about 9 percent and 3 percent, respectively, smaller bare conductor diameters than those shown. See Table 5A for actual compact cable dimensions.

The IACS conductivities used: bare copper = 100%, aluminum = 61%

Class B stranding is listed as well as solid for some sizes. Its overall diameter and area is that of its circumscribing circle.

(FPN): The construction information is per NEMA WC8-1988. The resistance is calculated per National Bureau of Standards Handbook 100, dated 1966, and Handbook 109, dated 1972.

AC Resistance and Reactance for 600 Volt Cables, 3-Ø, 60 Hz, 75°C (167°F) –
Three Single Conductors in Conduit

NEC Table 9

Size AWG/ kcmil	XL (REACTANCE) FOR ALL WIRES		AC RESISTANCE FOR UNCOATED COPPER WIRES			AC RESISTANCE FOR ALUMINUM WIRES			EFFECTIVE Z AT 0.85 PF FOR UNCOATED COPPER WIRES			EFFECTIVE Z AT 0.85 FOR ALUMINUM WIRES			Size AWG/ kcmil
	PVC, AL Conduit	Steel Conduit	PVC Conduit	AL Conduit	Steel Conduit	PVC Conduit	AL Conduit	Steel Conduit	PVC Conduit	AL Conduit	Steel Conduit	PVC Conduit	AL Conduit	Steel Conduit	
14	0.058	0.073	3.100	3.100	3.100	--	--	--	2.700	2.700	2.700	--	--	--	14
12	0.054	0.068	2.000	2.000	2.000	3.200	3.200	3.200	1.700	1.700	1.700	2.800	2.800	2.800	12
10	0.050	0.063	1.200	1.200	1.200	2.000	2.000	2.000	1.100	1.100	1.100	1.800	1.800	1.800	10
8	0.052	0.065	0.780	0.780	0.780	1.300	1.300	1.300	0.690	0.690	0.700	1.100	1.100	1.100	8
6	0.051	0.064	0.490	0.490	0.490	0.810	0.810	0.810	0.440	0.450	0.450	0.710	0.720	0.720	6
4	0.048	0.060	0.310	0.310	0.310	0.510	0.510	0.510	0.290	0.290	0.300	0.460	0.460	0.460	4
3	0.047	0.059	0.250	0.250	0.250	0.400	0.410	0.400	0.230	0.240	0.240	0.370	0.370	0.370	3
2	0.045	0.057	0.190	0.200	0.200	0.320	0.320	0.320	0.190	0.190	0.200	0.300	0.300	0.300	2
1	0.046	0.057	0.150	0.160	0.160	0.250	0.260	0.250	0.160	0.160	0.160	0.240	0.240	0.250	1
1/0	0.044	0.055	0.120	0.130	0.120	0.200	0.210	0.200	0.130	0.130	0.130	0.190	0.200	0.200	1/0
2/0	0.043	0.054	0.100	0.100	0.100	0.160	0.160	0.160	0.110	0.110	0.110	0.160	0.160	0.160	2/0
3/0	0.042	0.052	0.077	0.082	0.079	0.130	0.130	0.130	0.088	0.092	0.094	0.130	0.130	0.140	3/0
4/0	0.041	0.051	0.062	0.067	0.063	0.100	0.110	0.100	0.074	0.078	0.080	0.110	0.110	0.110	4/0
250	0.041	0.052	0.052	0.057	0.054	0.085	0.090	0.086	0.066	0.070	0.073	0.094	0.098	0.100	250
300	0.041	0.051	0.044	0.049	0.045	0.071	0.076	0.072	0.059	0.063	0.065	0.082	0.086	0.088	300
350	0.040	0.050	0.038	0.043	0.039	0.061	0.066	0.063	0.053	0.058	0.060	0.073	0.077	0.080	350
400	0.040	0.049	0.033	0.038	0.035	0.054	0.059	0.055	0.049	0.053	0.056	0.066	0.071	0.073	400
500	0.039	0.048	0.027	0.032	0.029	0.043	0.048	0.045	0.043	0.048	0.050	0.057	0.061	0.064	500
600	0.039	0.048	0.023	0.028	0.025	0.036	0.041	0.038	0.040	0.044	0.047	0.051	0.055	0.058	600
750	0.038	0.048	0.019	0.024	0.021	0.029	0.034	0.031	0.036	0.040	0.043	0.045	0.049	0.052	750
1000	0.037	0.046	0.015	0.019	0.018	0.023	0.027	0.025	0.032	0.036	0.040	0.039	0.042	0.046	1000

Notes:

- These values are based on the following constants: UL-type RHH wires with Class B stranding, in cradled configuration. Wire conductivities are 100 percent IACS copper and 61 percent AICS aluminum, and aluminum conduit is 45 percent. Capacitive reactance is ignored, since it is negligible at these voltages. These resistance values are valid only at 75°C (167°F) and for the parameters as given, but are representative for 600 volt wire types operative at 60 Hz.
- "Effective Z" is defined as $R \cos(\Theta) + X \sin(\Theta)$, where " Θ " is the power factor angle of the circuit. Multiplying current by effective impedance gives a good approximation for line-to-neutral voltage drop. Effective impedance values shown in this table are valid only at 0.85 power factor. For another circuit power factor (PF), effective impedance (Z_c) can be calculated from R and X_L values given in this table as follows:

$$Z_c = R \times PF + X_L \sin[\arccos(PF)].$$

Maximum Number of Conductors or Fixture Wires in Electrical Metallic Tubing (EMT)
(Based on Table 1, Chapter 9)

NEC Table C1

TYPE	CONDUCTOR SIZE (AWG/kcmil)	CONDUCTORS									
		METRIC DESIGNATOR (TRADE SIZE)									
		16 (½)	21 (¾)	27 (1)	35 (1¼)	41 (1½)	53 (2)	63 (2½)	78 (3)	91 (3½)	103 (4)
RHH, RHW, RHW-2	14	4	7	11	20	27	46	80	120	157	201
	12	3	6	9	17	23	38	66	100	131	167
	10	2	5	8	13	18	30	53	81	105	135
	8	1	2	4	7	9	16	28	42	55	70
	6	1	1	3	5	8	13	22	34	44	56
	4	1	1	2	4	6	10	17	26	34	44
	3	1	1	1	4	5	9	15	23	30	38
	2	1	1	1	3	4	7	13	20	26	33
	1	0	1	1	1	3	5	9	13	17	22
	1/0	0	1	1	1	2	4	7	11	15	19
	2/0	0	1	1	1	2	4	6	10	13	17
	3/0	0	0	1	1	1	3	5	8	11	14
	4/0	0	0	1	1	1	3	5	7	9	12
	250	0	0	0	1	1	1	3	5	7	9
	300	0	0	0	1	1	1	3	5	6	8
	350	0	0	0	1	1	1	3	4	6	7
	400	0	0	0	1	1	1	2	4	5	7
	500	0	0	0	0	1	1	2	3	4	6
	600	0	0	0	0	1	1	1	3	4	5
	700	0	0	0	0	0	1	1	2	3	4
	750	0	0	0	0	0	1	1	2	3	4
	800	0	0	0	0	0	1	1	2	3	4
	900	0	0	0	0	0	1	1	1	3	3
	1000	0	0	0	0	0	1	1	1	2	3
	1250	0	0	0	0	0	0	1	1	1	2
	1500	0	0	0	0	0	0	1	1	1	1
	1750	0	0	0	0	0	0	1	1	1	1
	2000	0	0	0	0	0	0	1	1	1	1

Maximum Number of Conductors or Fixture Wires in Electrical Metallic Tubing (EMT)
(Based on Table 1, Chapter 9)

NEC Table C1

TYPE	CONDUCTOR SIZE (AWG/kcmil)	CONDUCTORS									
		METRIC DESIGNATOR (TRADE SIZE)									
		16 (½)	21 (¾)	27 (1)	35 (1¼)	41 (1½)	53 (2)	63 (2½)	78 (3)	91 (3½)	103 (4)
TW, THHW, THW, THW-2	14	8	15	25	43	58	96	168	254	332	424
	12	6	11	19	33	45	74	129	195	255	326
	10	5	8	14	24	33	55	96	145	190	243
	8	2	5	8	13	18	30	53	81	105	135
RHH*, RHW*, RHW-2*	14	6	10	16	28	39	64	112	169	221	282
	12	4	8	13	23	31	51	90	136	177	227
	10	3	6	10	18	24	40	70	106	138	177
	8	1	4	6	10	14	24	42	63	83	106
RHH*, RHW*, RHW-2*, TW, THW, THHW, THW-2	6	1	3	4	8	11	18	32	48	63	81
	4	1	1	3	6	8	13	24	36	47	60
	3	1	1	3	5	7	12	20	31	40	52
	2	1	1	2	4	6	10	17	26	34	44
	1	1	1	1	3	4	7	12	18	24	31
	1/0	0	1	1	2	3	6	10	16	20	26
	2/0	0	1	1	1	3	5	9	13	17	22
	3/0	0	1	1	1	2	4	7	11	15	19
	4/0	0	0	1	1	1	3	6	9	12	16
	250	0	0	1	1	1	3	5	7	10	13
	300	0	0	1	1	1	2	4	6	8	11
	350	0	0	0	1	1	1	4	6	7	10
	400	0	0	0	1	1	1	3	5	7	9
	500	0	0	0	1	1	1	3	4	6	7
	600	0	0	0	1	1	1	2	3	4	6
	700	0	0	0	0	1	1	1	3	4	5
	750	0	0	0	0	1	1	1	3	4	5
	800	0	0	0	0	1	1	1	3	3	5
	900	0	0	0	0	0	1	1	2	3	4
	1000	0	0	0	0	0	1	1	2	3	4
	1250	0	0	0	0	0	1	1	1	2	3
	1500	0	0	0	0	0	1	1	1	1	2
	1750	0	0	0	0	0	0	1	1	1	2
	2000	0	0	0	0	0	0	1	1	1	1

* Types RHH, RHW, and RHW-2 without outer covering.

Maximum Number of Conductors or Fixture Wires in Electrical Metallic Tubing (EMT)
(Based on Table 1, Chapter 9)

NEC Table C1

TYPE	CONDUCTOR SIZE (AWG/kcmil)	CONDUCTORS									
		METRIC DESIGNATOR (TRADE SIZE)									
		16 (½)	21 (¾)	27 (1)	35 (1¼)	41 (1½)	53 (2)	63 (2½)	78 (3)	91 (3½)	103 (4)
THHN, THWN, THWN-2	14	12	22	35	61	84	138	241	364	476	608
	12	9	16	26	45	61	101	176	266	347	443
	10	5	10	16	28	38	63	111	167	219	279
	8	3	6	9	16	22	36	64	96	126	161
	6	2	4	7	12	16	26	46	69	91	116
	4	1	2	4	7	10	16	28	43	56	71
	3	1	1	3	6	8	13	24	36	47	60
	2	1	1	3	5	7	11	20	30	40	51
	1	1	1	1	4	5	8	15	22	29	37
	1/0	1	1	1	3	4	7	12	19	25	32
	2/0	0	1	1	2	3	6	10	16	20	26
	3/0	0	1	1	1	3	5	8	13	17	22
	4/0	0	1	1	1	2	4	7	11	14	18
	250	0	0	1	1	1	3	6	9	11	15
	300	0	0	1	1	1	3	5	7	10	13
	350	0	0	1	1	1	2	4	6	9	11
	400	0	0	0	1	1	1	4	6	8	10
	500	0	0	0	1	1	1	3	5	6	8
	600	0	0	0	1	1	1	2	4	5	7
	700	0	0	0	1	1	1	2	3	4	6
	750	0	0	0	0	1	1	1	3	4	5
	800	0	0	0	0	1	1	1	3	4	5
	900	0	0	0	0	1	1	1	3	3	4
	1000	0	0	0	0	1	1	1	2	3	4

Maximum Number of Conductors or Fixture Wires in Electrical Metallic Tubing (EMT)
(Based on Table 1, Chapter 9)

NEC Table C1

CONDUCTORS											
TYPE	CONDUCTOR SIZE (AWG/kcmil)	METRIC DESIGNATOR (TRADE SIZE)									
		16 (½)	21 (¾)	27 (1)	35 (1¼)	41 (1½)	53 (2)	63 (2½)	78 (3)	91 (3½)	103 (4)
FEP, FEPB, PFA, PFAH, TFE	14	12	21	34	60	81	134	234	354	462	590
	12	9	15	25	43	59	98	171	258	337	430
	10	6	11	18	31	42	70	122	185	241	309
	8	3	6	10	18	24	40	70	106	138	177
	6	2	4	7	12	17	28	50	75	98	126
	4	1	3	5	9	12	20	35	53	69	88
	3	1	2	4	7	10	16	29	44	57	73
	2	1	1	3	6	8	13	24	36	47	60
PFA, PFAH, TFE	1	1	1	2	4	6	9	16	25	33	42
PFAH, TFE, PFA, PFAH, TFE, Z	1/0	1	1	1	3	5	8	14	21	27	35
	2/0	0	1	1	3	4	6	11	17	22	29
	3/0	0	1	1	2	3	5	9	14	18	24
	4/0	0	1	1	1	2	4	8	11	15	19
Z	14	14	25	41	72	98	161	282	426	556	711
	12	10	18	29	51	69	114	200	302	394	504
	10	6	11	18	31	42	70	122	185	241	309
	8	4	7	11	20	27	44	77	117	153	195
	6	3	5	8	14	19	31	54	82	107	137
	4	1	3	5	9	13	21	37	56	74	94
	3	1	2	4	7	9	15	27	41	54	69
	2	1	1	3	6	8	13	22	34	45	57
	1	1	1	2	4	6	10	18	28	36	46

Maximum Number of Conductors or Fixture Wires in Electrical Metallic Tubing (EMT)
(Based on Table 1, Chapter 9)

NEC Table C1

TYPE	CONDUCTOR SIZE (AWG/kcmil)	CONDUCTORS									
		METRIC DESIGNATOR (TRADE SIZE)									
		16 (½)	21 (¾)	27 (1)	35 (1¼)	41 (1½)	53 (2)	63 (2½)	78 (3)	91 (3½)	103 (4)
XHH, XHHW, XHHW-2, ZW	14	8	15	25	43	58	96	168	254	332	424
	12	6	11	19	33	45	74	129	195	255	326
	10	5	8	14	24	33	55	96	145	190	243
	8	2	5	8	13	18	30	53	81	105	135
	6	1	3	6	10	14	22	39	60	78	100
	4	1	2	4	7	10	16	28	43	56	72
	3	1	1	3	6	8	14	24	36	48	61
	2	1	1	3	5	7	11	20	31	40	51
XHH, XHHW, XHHW-2	1	1	1	1	4	5	8	15	23	30	38
	1/0	1	1	1	3	4	7	13	19	25	32
	2/0	0	1	1	2	3	6	10	16	21	27
	3/0	0	1	1	1	3	5	9	13	17	22
	4/0	0	1	1	1	2	4	7	11	14	18
	250	0	0	1	1	1	3	6	9	12	15
	300	0	0	1	1	1	3	5	8	10	13
	350	0	0	1	1	1	2	4	7	9	11
	400	0	0	0	1	1	1	4	6	8	10
	500	0	0	0	1	1	1	3	5	6	8
	600	0	0	0	1	1	1	2	4	5	6
	700	0	0	0	0	1	1	2	3	4	6
	750	0	0	0	0	1	1	1	3	4	5
	800	0	0	0	0	1	1	1	3	4	5
	900	0	0	0	0	1	1	1	3	3	4
	1000	0	0	0	0	0	1	1	2	3	4
	1250	0	0	0	0	0	1	1	1	2	3
	1500	0	0	0	0	0	1	1	1	1	3
	1750	0	0	0	0	0	0	1	1	1	2
	2000	0	0	0	0	0	0	1	1	1	1

Formulas for determining amperes, hp, kw and kva

Amps, hp, kw and kva

To FIND	DIRECT CURRENT	ALTERNATING CURRENT		
		1Ø	2Ø- 4 WIRE+	3Ø
Amperes when horsepower is known	$\frac{hp \times 746}{E \times \% \text{ eff}}$	$\frac{hp \times 746}{E \times \% \text{ eff} \times p-f}$	$\frac{hp \times 746}{2 \times E \times \% \text{ eff} \times p-f}$	$\frac{hp \times 746}{1.73 \times E \times \% \text{ eff} \times p-f}$
Amperes when kilowatts is known	$\frac{kw \times 1000}{E}$	$\frac{kw \times 1000}{E \times p-f}$	$\frac{kw \times 1000}{2 \times E \times p-f}$	$\frac{kw \times 1000}{1.73 \times E \times p-f}$
Amperes when kva is known		$\frac{kva \times 1000}{E}$	$\frac{kva \times 100}{2 \times E}$	$\frac{kva \times 1000}{1.73 \times E}$
kilowatts	$\frac{I \times E}{1000}$	$\frac{I \times E \times p-f}{1000}$	$\frac{I \times E \times 2 \times p-f}{1000}$	$\frac{I \times E \times 1.73 \times p-f}{1000}$
kva		$\frac{I \times E}{1000}$	$\frac{I \times E \times 2}{1000}$	$\frac{I \times E \times 1.73}{1000}$
horsepower (output)	$\frac{I \times E \times \% \text{ eff}}{746}$	$\frac{I \times E \times \% \text{ eff} \times p-f}{746}$	$\frac{I \times E \times 2 \times \% \text{ eff} \times p-f}{746}$	$\frac{I \times E \times 1.73 \times \% \text{ eff} \times p-f}{746}$

*For 3W, 2Ø circuits the current in the common conductor is 1.41 times that in either of the two other conductors.

How to compute power factor

Determining watts: $p-f = \frac{\text{watts}}{\text{volts} \times \text{amperes}}$

- From watthour meter:
watts = rpm of disc x 60 x kh
Where kh is meter constant printed on face or nameplate of meter. If metering transformers are used the above formula must be multiplied by the transformer ratios.
- Directly from watthour meter,
where:
volts = line-to-line voltage as measured by voltmeter
amps = current measured in line wire (not neutral) by ammeter

Conversion factors

$$C^{\circ} = \frac{5}{9} \times (F^{\circ} - 32^{\circ}) \quad F^{\circ} = \frac{9}{5} C^{\circ} + 32^{\circ}$$

Conversion Factors

C°	-15	-10	-5	0	5	10	15	20
F°	5	14	23	32	41	50	59	68
C°	25	30	35	40	45	50	55	60
F°	77	86	95	104	113	122	131	140
C°	65	70	75	80	85	90	95	100
F°	149	158	167	176	185	194	203	212

- 1 inch = 2.54 centimeters
- 1 kilogram = 2.20 lbs.
- 1 square inch = 1,273,200 circular mills
- 1 circular mill = .785 square mill
- 1 btu = 778 ft. lbs.
- 1 year = 252 calories
- 1 year = 8,760 hours

Common electrical terms

- Ampere (I) = Unit of current or rate of flow of electricity
- Volt (E) = Unit of electromotive force
- OHM (R) = Unit of resistance
ohms law: $I = \frac{E}{R}$ (d-c or 100% p-f)
- Megohm = 1,000,000 ohms
- Volt amperes (va) = unit of apparent power
= EI (single phase)
= $E \times I \times 1.73$ (3Ø)
- kilovolt amperes (kva) = 1000 volt-amperes
- watt (w) = unit of true power
= va x p-f
= .00134 hp
- kilowatt (kw) = 1000 watts
- power factor (p-f) = ratio of true to apparent power
= $\frac{w}{va} \circ \frac{kw}{kva}$
- watthour (whr) = unit of electrical work
= one watt for one hour
= 3.413 BTU
= 2,655 ft lbs.
- kilowatthour (kwhr) = 1000 watthours
- horsepower (hp) = measure of time rate of doing work
= equivalent of raising 33,000 lbs. one ft. in one minute
= 746 watts
- demand factor = ratio of maximum demand to the total connected load
- diversity factor = ratio of the sum of individual maximum demands of the various subdivisions of a system to the maximum demand of the whole system.
- load factor = ratio of the average load over a designated period of time to the peak load occurring in that period

Available Short Circuit

TRANS- FORMER RATING 3Ø KVA AND IMPEDANCE %	MAXIMUM SHORT CIRCUIT KVA AVAILABLE FROM PRIMARY SYSTEM	208 VOLTS				240 VOLTS				480 VOLTS			
		NORMAL CONTINUOUS LOAD CURRENT IN AMPERES	INTERRUPTING CAPACITY TOTAL RMS AMPERES			NORMAL CONTINUOUS LOAD CURRENT IN AMPERES	INTERRUPTING CAPACITY TOTAL RMS AMPERES			NORMAL CONTINUOUS LOAD CURRENT IN AMPERES	INTERRUPTING CAPACITY TOTAL RMS AMPERES		
			TRANS- FORMER ALONE	50% MOTOR LOAD	COMBINED		TRANS- FORMER ALONE	50% MOTOR LOAD	COMBINED		TRANS- FORMER ALONE	50% MOTOR LOAD	COMBINED
450 3%	15000	417	12500	1100	13600	361	10800	1900	12700	180	5500	1000	6500
	25000		14300		15400		12300		14200		6200		7200
	50000		15800		16900		13700		15600		6800		7800
	100000		16600		17700		14200		16100		7200		8200
	150000		16800		17900		14500		16400		7300		8300
	250000		16900		18000		14800		16700		7400		8400
	500000		17000		18100		14900		16800		7450		8450
	Unlimited		17100		18200		15000		16900		7500		8500
225 4%	15000	625	13600	1500	15100	542	11700	3000	14700	271	5900	1200	7100
	25000		15800		17300		13700		16700		6800		8000
	50000		17600		19100		15200		18200		7600		8800
	100000		18300		19800		16000		19000		7900		9100
	150000		18800		20300		16200		19200		8200		9400
	250000		18900		20400		16300		19300		8300		9500
	500000		19000		20500		16400		19400		8350		9550
	Unlimited		19100		20600		16500		19500		8400		9600
300 5%	15000	834	14900	2100	17000	722	12900	3600	16500	361	.....	1800	.....
	25000		16700		18800		14600		18200		7300		9100
	50000		18600		20700		16100		19700		8100		9900
	100000		19600		21700		17000		20600		8500		10300
	150000		20000		22100		17400		21000		8700		10500
	250000		20300		22400		17600		21200		8800		10600
	500000		20500		22600		17900		21500		8900		10700
	Unlimited		20800		22900		18100		21700		9000		10800
500 5%	25000	1388	24800	3500	28300	1200	21500	6000	27500	600	10800	3000	13800
	50000		28900		32400		25100		31100		12500		15500
	100000		31500		35000		27300		33300		13700		16700
	150000		32500		36000		28200		34200		14100		17100
	250000		33300		36800		28900		34900		14500		17500
	500000		34000		37500		29500		35500		14800		17800
	Unlimited		34600		38100		30100		36100		15100		18100
750 5½%	25000	2080	30600	5200	35800	1800	26600	9000	35600	900	13300	4500	17800
	50000		37100		42300		32300		41300		16100		20600
	100000		41600		46800		36100		45100		18000		22500
	150000		43300		48500		37600		46600		18800		23300
	250000		44800		50000		39000		48000		19500		24000
	500000		46100		51300		40000		49000		20000		24500
	Unlimited		47300		52500		41000		50100		20500		25000
1000 5½%	25000	2780	36500	7000	43500	2400	31700	12000	43700	1200	15800	6000	21800
	50000		46300		53300		40200		52200		20100		26100
	100000		53400		60400		46300		58300		23200		29200
	150000		56300		63300		48800		60800		24400		30400
	250000		58900		65900		51000		63000		25500		31500
	500000		60900		67900		52800		64800		26400		32400
	Unlimited		63200		70200		54700		66700		27400		33400
1500 5½%	25000					3600	39300	18000	57300	1800	19600	9000	28600
	50000						53200		71200		26600		35600
	100000						64500		82500		32300		41300
	150000						69500		87500		34800		43800
	250000						74000		92000		37000		46000
	500000						77900		95900		38900		47900
	Unlimited						82000		100000		41100		50100
2000 5½%	25000									2400	22100	12000	34100
	50000										31700		43700
	100000										39400		51400
	150000										44100		56100
	250000										46800		58800
	500000										50700		62700
	Unlimited										54700		66700

All computations are based on voltages, transformer impedances and motor loads, as indicated, including a factor of 1.25 for the dc component. For conditions differing from those given in these tables the short-circuit currents should be calculated.

The motor short-circuit contributions are computed on the basis of motor characteristics that will give five times normal current. For the 208 volt table, 50 percent motor load is assumed. For the 480 volt and 240 volt tables, 100 percent motor loads are assumed. For other percentages of motor load, the motor contribution to the short-circuit current will be in direct proportion.

Where the circuit voltage is less than 480 or 240 volts, the current values given should be multiplied by the ratio: $\frac{480 \text{ or } 240}{\text{circuit voltage}}$

Inches and Millimeters

4THS	8THS	16THS	32NDS	64THS	TO 3 PLACES	TO 2 PLACES	MILLIMETERS
				1/64	.016	.02	0
			1/32		.031	.03	1
				3/64	.047	.05	1
		1/16			.062	.06	2
				5/64	.078	.08	2
			3/32		.094	.09	2
				7/64	.109	.11	3
	1/8				.125	.12	3
				9/64	.141	.14	4
			5/32		.156	.16	4
				11/64	.172	.17	4
		3/16			.188	.19	5
				13/64	.203	.20	5
			7/32		.219	.22	6
				15/64	.234	.23	6
1/4					.250	.25	6
				17/64	.266	.27	7
			9/32		.281	.28	7
				19/64	.297	.30	8
		5/16			.312	.31	8
				21/64	.328	.33	8
			11/32		.344	.34	9
				23/64	.359	.36	9
	3/8				.375	.38	10
				25/64	.391	.39	10
			13/32		.406	.41	10
				27/64	.422	.42	11
		7/16			.438	.44	11
				29/64	.453	.45	12
			15/32		.469	.47	12
				31/64	.484	.48	12
1/2					.500	.50	13
				33/64	.516	.52	13
			17/32		.531	.53	13
				35/64	.547	.55	14
		9/16			.562	.56	14
				37/64	.578	.58	15
			19/32		.594	.59	15
				39/64	.609	.61	15
	5/8				.625	.62	16
				41/64	.641	.64	16
			21/32		.656	.66	17
				43/64	.672	.67	17
		11/16			.688	.69	17
				45/64	.703	.70	18
			23/32		.719	.72	18
				47/64	.734	.73	19
3/4					.750	.75	19
				49/64	.766	.77	19
			25/32		.781	.78	20
				51/64	.797	.80	20
		13/16			.812	.81	21
				53/64	.828	.83	21
			27/32		.844	.84	21
				55/64	.859	.86	22
	7/8				.875	.88	22
				57/64	.891	.89	23
			29/32		.906	.91	23
				59/64	.922	.92	23
		15/16			.938	.94	24
				61/64	.953	.95	24
			31/32		.969	.97	25
				63/64	.984	.98	25
1					1.000	1.00	25

Metric conversion tables

Length

US TO METRIC	METRIC TO US		
1 inch	25.40 millimeters	1 millimeter	0.03937 inch
1 inch	2.540 centimeters	1 centimeter	0.3937 inch
1 foot	30.480 centimeters	1 meter	39.37 inch
1 foot	0.3048 meter	1 meter	3.2808 feet
1 yard	91.440 centimeters	1 meter	1.0936 yards
1 yard	0.9144 meter	1 kilometer	0.62137 mile
1 mile	1.609 kilometers		

Area

US TO METRIC	METRIC TO US		
1 sq. inch	645.16 sq. millimeters	1 sq. millimeter	0.00155 sq. inch
1 sq. inch	6.4516 sq. centimeters	1 sq. centimeter	0.1550 sq. inch
1 sq. foot	929.03 sq. centimeters	1 sq. meter	10.7640 sq. feet
1 sq. foot	0.0929 sq. meter	1 sq. meter	1.196 sq. yards
1 sq. yard	0.836 sq. meter	1 sq. hectometer	2.471 acres
1 acre	0.4047 sq. hectometer	1 hectare	2.471 acres
1 acre	0.4047 hectare	1 sq. kilometer	0.388 sq. mile
1 sq. mile	2.59 sq. kilometers	1 sq. kilometer	0.388 sq. mile

Volume (Capacity)

US TO METRIC	METRIC TO US		
1 fluid ounce	2.957 centiliters – 2.957 cm ³	1 centiliter	10 cm ³ – 0.338 fluid ounce
1 pint (liq)	4.732 deciliters – 473.2 cm ³	1 deciliter	100 cm ³ – 0.0528 pint (liq)
1 quart (liq)	0.9463 liters – 0.9463 dm ³	1 liter	1 dm ³ – 1.0567 quarts (liq)
1 gallon (liq)	3.7853 liters – 3.7853 dm ³	1 liter	1 dm ³ – 0.26417 gallon (liq)

Notes

Additional B-Line Support Systems

ENCLOSURES

For over 50 years, Circle AW electrical enclosures have been recognized for their high quality construction and superior performance. Since acquiring Circle AW in 1993, Cooper B-Line has continued to improve the quality and further develop the customer service and delivery aspects of the product line. B-Line enclosures are manufactured using state-of-the-art equipment and are designed not only to meet, but to exceed industry standards.

Cooper B-Line offers one of the broadest ranges of electrical enclosures in the industry for commercial and industrial applications. From Type 1 wireway and Type 1 screw covers, to Type 12 free-standing multi-door industrial and made-to-order custom enclosures, Cooper B-Line is ready to provide the type enclosure your application requires. Our full product offering includes Type 1, 3R, and 12 wireway; Type 1, 3, and 3R commercial enclosures; Type 12/13, 4, and 4X industrial enclosures and consoles, plus a full range of accessories.

Many of B-Line's commercial boxes, enclosures, wireway, and trough are available in your choice of painted 16, 14, or 12 gauge steel, galvanized steel, type 304 stainless steel, or fiberglass.



CABLE TRAY

Cable Tray is a continuous mechanical support system, designed for the support of electrical power, control and instrumentation cables. Our unique I-Beam construction, using extruded aluminum or roll-formed steel, incorporates advanced design features which make our cable tray a highly versatile support system.

Reinforced I-Beam side rails are welded to the structural cross members in ladder types and to the corrugated bottoms in trough types. This unique construction with bolted splice plates provides excellent electrical continuity. Standard cable trays are available in ladder, trough, and channel types. B-Line Trays meet all the requirements of Article 318 of the National Electrical Code.

Cooper B-Line now offers Cent-R-Rail® cable tray systems for datacom installations.



STRUT

B-Line's rigid metal framing support system is used in electrical and mechanical construction. Strut is fully adjustable and reusable - designed to eliminate welding or drilling.

Our channel sections are roll-formed from high quality structural steel on modern roller mills. Strut is available from stock in a number of sizes and gauges with a variety of protective finishes.

For added strength, multiple spot-welded channel combinations are available. A complete selection of fittings, fasteners, and accessories make B-Line's Strut System well suited for most support requirements.



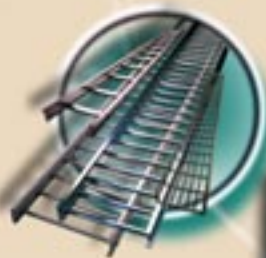
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& Relay Racks*



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Questions, Comments, Suggestions?

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