

Options

Legend Plates

Legend Plates with Standard Markings

The legend plates listed below are sized for all standard commercial enclosures and Eaton's Cutler-Hammer cast enclosures. For vertical spacing less than 1.75", replace the **S** in the Catalog Number with **MS**, or the **M** with **P** (except Push-Pull). No change in price. The smaller size legend plates, "MS" or "P" size, have limited space for legend.

Table 47-237. For Pushbutton Operators and Indicating Lights — Standard

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Square ①	1/2 Round
Blank		See Table 47-243 on Page 47-152	

Letters on Legend Plates Below are 3/16" High

CLAMP	Black	10250TS90	10250TM90
CLOSE	Black	10250TS73	10250TM11
DOWN	Black	10250TS74	10250TM12
EMERG. STOP	Red	10250TS13	10250TM13
FAST	Black	10250TS75	10250TM14
FASTER	Black	10250TS87	10250TM87
FEEDER ON	Black	10250TS94	10250TM94
FEEDER OFF	Black	10250TS95	10250TM95
FORWARD	Black	10250TS15	10250TM15
HIGH	Black	10250TS16	10250TM16
IN	Black	10250TS17	10250TM17
INCH	Black	10250TS18	10250TM18
JOG	Black	10250TS19	10250TM19
JOG FOR.	Black	10250TS20	10250TM20
JOG REV.	Black	10250TS21	10250TM21
LOW	Black	10250TS22	10250TM22
LOWER	Black	10250TS23	10250TM23
LUBE-FAIL	Black	10250TS92	10250TM92
MOTOR RUN	Black	10250TS81	10250TM81
MOTOR STOP	Black	10250TS82	10250TM82
OFF	Red	10250TS24	10250TM24
ON	Black	10250TS25	10250TM25
OPEN	Black	10250TS26	10250TM26
OUT	Black	10250TS27	10250TM27
POWER ON	Black	10250TS80	10250TM80
RAISE	Black	10250TS28	10250TM28
READY	Black	10250TS86	10250TM86
RESET	Black	10250TS29	10250TM29
REVERSE	Black	10250TS30	10250TM30
RUN	Black	10250TS31	10250TM31
SAFE	Black	10250TS85	10250TM85
SLOW	Black	10250TS32	10250TM32
SLOWER	Black	10250TS88	10250TM88
START	Black	10250TS33	10250TM33
STOP	Red	10250TS34	10250TM34
TEST	Black	10250TS83	10250TM83
TRANSFER	Black	10250TS93	10250TM93
TRIP	Black	10250TS84	10250TM84
UNCLAMP	Black	10250TS91	10250TM91
UP	Black	10250TS35	10250TM35

① Square legend plates have a satin aluminum field. Color is on lower portion.

Table 47-238. Blank Plastic Legend Plates — Square

Price Each — U.S. \$				
Color		Catalog Number		
Lettering	Field	Standard	Jumbo ③	Extra Large
Black	White or Silver ②	10250TSP76	10250TLP76	10250TEP76
White	Red or Black ②	10250TSP77	10250TLP77	10250TEP77

② If legend plate is to be engraved, specify field color required.

③ Cannot be used on cast enclosures except for top row. Suitable for most sheet metal enclosures.



Square Legend Plate
Catalog Number
10250TS41



1/2 Round Legend Plate
Catalog Number
10250TM38



70 mm Round — Plastic Legend Plate
Catalog Number
10250TRP79

Table 47-239. For Selector Switch and Roto-Push Operators — Standard Size

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Square ④	1/2 Round
Blank		See Table 47-243 on Page 47-152	
2-Position — 5/32" High Lettering			
FOR. REV.	Black	10250TS38	10250TM38
HAND AUTO	Black	10250TS39	10250TM39
HIGH LOW	Black	10250TS40	10250TM40
JOG RUN	Black	10250TS41	10250TM41
MAN. AUTO	Black	10250TS67	10250TM67
OFF ON	Black	10250TS42	10250TM42
OPEN CLOSE	Black	10250TS43	10250TM43
RUN JOG	Black	10250TS44	10250TM44
SAFE RUN	Black	10250TS45	10250TM45
START JOG	Black	10250TS46	10250TM46
START STOP	Black	10250TS47	10250TM47
UP DOWN	Black	10250TS48	10250TM48
3-Position — 1/8" High Lettering			
AUTO OFF HAND	Black	10250TS49	10250TM49
FOR. OFF REV.	Black	10250TS50	10250TM50
FOR. SAFE REV.	Black	10250TS69	10250TM69
HAND OFF AUTO	Black	10250TS51	10250TM51
MAN. OFF AUTO	Black	10250TS68	10250TM68
OPEN OFF CLOSE	Black	10250TS53	10250TM53
RUN SAFE JOG	Black	10250TS70	10250TM70
UP OFF DOWN	Black	10250TS54	10250TM54
ON STOP SAFE	Red	10250TS71	10250TM71

④ Square legend plates have a satin aluminum field. Color is on lower portion.

Table 47-240. 45 mm and 70 mm Plastic — Round

Color		Catalog Number	Price U.S. \$
Lettering	Field		
45 mm			
Blank	Yellow or Red ⑤	10250TRP78	
70 mm			
Blank	Yellow or Red ⑤	10250TRP76	
Red EMERG. STOP	Yellow	10250TRP79	

⑤ If legend plate is to be engraved, specify field color required.

Table 47-241. For Push-Pull Units ⑥

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Square ⑦	1/2 Round
Standard Size — Letters on Legend Plates Below are 3/32" High			
PULL START/PUSH STOP	Green/Red	10250TPP2	10250TR2
PUSH ON/PULL OFF	Black	10250TPP5	10250TR5
PULL OPEN/PUSH CLOSE	Black	10250TPP8	10250TR8
PULL UP/PUSH DOWN	Black	10250TPP11	10250TR11
Jumbo Size — Letters on Legend Plates Below are 1/8" High			
PULL START/PUSH STOP	Green/Red	10250TPP3	10250TR3
PULL ON/PUSH OFF	Black	10250TPP6	10250TR6
PULL OPEN/PUSH CLOSE	Black	10250TPP9	10250TR9
PULL UP/PUSH DOWN	Black	10250TPP12	10250TR12

⑥ All Push-Pull Legend Plates include the symbols ↑↓ in the center of the plate.

⑦ Square legend plates have a satin aluminum field. Color is on lower portion.

10250T Series, Legend Plates

Legend Plates with Non-standard Markings

When Ordering Specify

- Catalog Number of Blank Plate Phase plus Suffix "STAMP."
- Insert the following into Order Notes: Legend, Letter Size and Locations (Letters A - W) — combine letters for definitive locations as shown.

Ordering Example:

Catalog No.: **10250TS36STAMP**
 Letter Size: 3/32 inch (2.4 mm)
 Pos. A — POWER HOUSE
 Pos. B — START PUMP 1

Legend Characters Available

ABCDEFGHIJKLMN OPQRSTUVWXYZ
 -./,1234567890

Legend characters on black and red plates are white — on satin aluminum plates, characters are black.

Blackening Kit

Solution blackens aluminum exposed by engraving process. Must be applied immediately after engraving. 0.3 oz. bottle — sufficient for approximately 1100 legend plates.

Table 47-242. Blackening Kit

Catalog Number	Price U.S. \$
10250TBK	

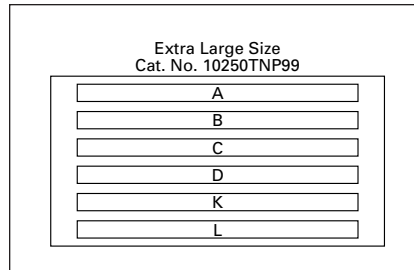


Figure 47-112. Legend Positions

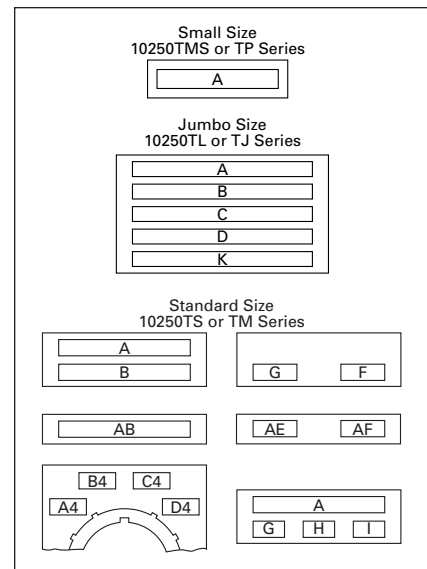


Figure 47-113. Legend Positions

Table 47-243. Blank and Custom Engraved Legend Plates

Style	Color	Small	Standard	Jumbo ③	Extra Large ②	4-Position Selector Switch		Push-Pull with Symbols ①		Price U.S. \$	
		Catalog Number	Catalog Number	Catalog Number	Catalog Number	Custom ⑤	Standard	Standard	Jumbo ③	Blank	Custom Engraved
Square ④	Black	10250TMS36	10250TS36	10250TL36	—	10250TS76	10250TS72	10250TPP17	10250TPP18		
	Red	10250TMS37	10250TS37	10250TL37	—	—	—	—	—		
	Green/Red Satin Alum.	—	—	—	10250TNP99	—	—	10250TPP20	10250TPP21		
1/2 Round	Black	10250TP36	10250TM36	10250TJ36	—	—	10250TM72	10250TR17	10250TR18		
	Red	10250TP37	10250TM37	10250TJ37	—	—	—	10250TR20	10250TR21		
	Green/Red Satin Alum.	—	10250TM89	10250TJ89	—	—	—	—	—		

- ① All Push-Pull Legend Plates include the symbols ↑ ↓ in the center of the plate.
- ② When used to meet Ford Motor Co. specifications, specify engraved legend. Cannot be used on standard cast or sheet metal enclosures.
- ③ Cannot be used on cast enclosures except for top row. Suitable for most sheet metal enclosures.
- ④ Square legend plates have a satin aluminum field. Color is on lower portion.
- ⑤ Slightly larger than standard size for legends requiring more space — fits cast enclosures.

Table 47-244. Maximum Characters per Legend Plate and Approximate Dimensions

Top (Aluminum and Plastic)	Approximate Dimensions in Inches (mm)		Style	Character Size					
	Width	Height		3/32" High		1/8" High		3/16" High	
				Number of Lines	Number of Characters	Number of Lines	Number of Characters	Number of Lines	Number of Characters
Small ⑥	1.59 (40.4)	1.59 (40.4)	Square	1	17	—	—	—	—
			1/2 Round	1	15	1	12	1	9
Standard and Custom	1.75 (44.5)	1.75 (44.5)	Square	2	18	2	13	1	9
			1/2 Round	2	15	2	12	1	9
Jumbo ⑦	2.19 (55.6)	2.19 (55.6)	Square	5	23	3	18	2	12
			1/2 Round	5	19	4	15	2	11
Extra Large ⑧	2.44 (62)	2.44 (62)	Square	6	25	3	18	3	12




- ⑥ Recommended only when mounting on minimum centers [less than 1-3/4 inch (44.5 mm) vertical centers].
- ⑦ Can be used on top row only of any enclosure.
- ⑧ When used to meet Ford Motor Co. specifications, specify engraved legend. Cannot be used on standard cast or sheet metal enclosures.

Legend Plates for
 Joystick Operator Page 47-141
 Discount Symbol 1CD1C

Enclosures

Die Cast, Polyester and Stainless Steel Enclosures

Table 47-245. Enclosures (Case and Cover) — Surface Mounting ①

	Number of Elements	1 Contact Block Depth		2 Contact Block Depth	
		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
 Die Cast Enclosure — Cat. No. 10250TN11	Cast Enclosure — In-Line ②③⑤ NEMA 4, 4X, 12, 13				
	1	10250TN1		10250TN11	
	2	10250TN2		10250TN12	
	3	10250TN3		10250TN13	
	4	10250TN4		10250TN14	
 Polyester Enclosure — Cat. No. E34N52	Polyester ⑤ — In-Line NEMA 3, 4X, 12				
	1	—		E34N51	
	2	—		E34N52	
	3	—		E34N53	
	4	—		E34N54	
 Stainless Steel Enclosure — Cat. No. 10250TN35	Stainless Steel ④⑤ — In-Line NEMA 4, 4X, 12				
	1	—		10250TN33	
	2	—		10250TN34	
	3	—		10250TN35	
	4	—		10250TN36	

① For spacing increments, see Page 47-154.

② All cast enclosures can be converted to base mounting of contact blocks, with spacers 10250TA22 or 10250TA23. See listing on Page 47-156.

③ When used with E30 pushbuttons, only the one element enclosure can be used.

④ 14 gauge, type 304.

⑤ When used with resistor light units, only the 2 contact block depth enclosure can be used.

Table 47-246. Approximate Dimensions

Number of Elements	Element Arrangement	Surface Mounting					Conduit Entrance	Approximate Dimensions
		Dimensions in Inches (mm)						
		Wide A	High B	Deep C	Mounting			
					D	E		
Cast								
1	In-Line	3.88 (98.6)	4.0 (101.6)	3.0 (76.3) ⑦	2.69 (68.3)	3.25 (82.6)	3/4	
2	In-Line	3.88 (98.6)	5.88 (149.4)	3.0 (76.3) ⑦	2.69 (68.3)	5.13 (130.3)	3/4	
3	In-Line	3.88 (98.6)	7.75 (196.9)	3.0 (76.3) ⑦	2.69 (68.3)	7.0 (177.8)	1	
4	In-Line	3.88 (98.6)	9.63 (244.6)	3.0 (76.3) ⑦	2.69 (68.3)	8.88 (225.6)	1	
Polyester								
1	In-Line	3.81 (96.8)	6.63 (168.4)	3.38 (85.9)	2.94 (74.7)	4.88 (124.0)	⑥	
2	In-Line	3.81 (96.8)	6.63 (168.4)	3.38 (85.9)	2.94 (74.7)	4.88 (124.0)		
3	In-Line	3.81 (96.8)	8.88 (225.6)	3.38 (85.9)	2.94 (74.7)	7.13 (181.1)		
4	In-Line	3.81 (96.8)	11.13 (282.7)	3.38 (85.9)	2.94 (74.7)	9.38 (238.3)		
Stainless Steel								
1	In-Line	3.00 (76.2)	3.50 (88.9)	3.00 (76.2)	1.50 (38.1)	4.25 (108.0)	⑥	
2	In-Line	3.50 (88.9)	6.75 (171.5)	3.00 (76.2)	1.50 (38.1)	7.50 (190.5)		
3	In-Line	3.50 (88.9)	9.00 (228.6)	3.00 (76.2)	1.50 (38.1)	9.00 (228.6)		
4	In-Line	3.50 (88.9)	11.25 (285.8)	3.00 (76.2)	1.50 (38.1)	12.00 (304.8)		

⑥ No conduit entrance holes provided. Drill as required.

⑦ Depth given is for two contact block deep stations. One contact block deep stations subtract 3/4 inch (19.1 mm).

Note: 2-position joystick must be used with two contact block deep enclosures (maximum number of contact blocks = 1). 4-position joysticks can not be used within these enclosures.



One Contact Block Depth Enclosure



Two Contact Block Depth Enclosure

4 Mtg. Holes — 10-32 Screw Size for
1 – 4 Element Die Cast/
Stainless Steel Enclosure
7/32 Screw Size for
Polyester

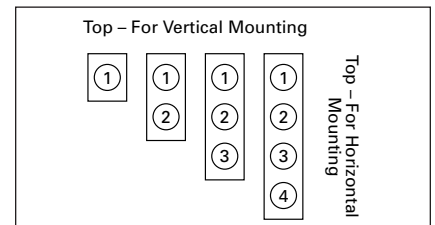
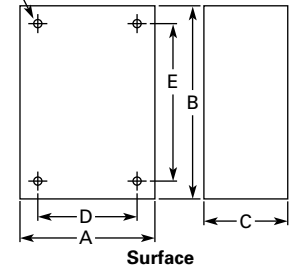


Figure 47-114. Enclosure Layouts

Discount Symbol 1CD1C

10250T Series, Enclosures

Die Cast and Stainless Steel — Flush Mount, Covers Only

Table 47-247. Covers Only — Flush Mounting

	Number of Elements	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	Flush Cast Covers				
			In-Line Deep Cover		In-Line Flat Cover
	1	10250TF11		10250TF1	
	2	10250TF12		10250TF2	
	3	10250TF13		10250TF3	
	4	10250TF14		10250TF4	
	In-Line Stainless Steel Flush Plates ①				
			With Pullbox		Without Pullbox
	1	10250TS10		10250TS1	
	2	10250TS11		10250TS2	
	3	10250TS12		10250TS3	
	4	10250TS14		10250TS4	

① Not oiltight. NEMA 1 applications only.

Table 47-248. Approximate Dimensions

Number of Elements	Flush Mounting					Approximate Dimensions
	Dimensions in Inches (mm)					
	Wide A	High B	Deep C	Mounting		
				D	E	
Cast						
1	3.88 (98.6)	4.0 (101.6)	0.25 (6.4) ②	3.50 (88.9)	3.63 (92.2)	
2	3.88 (98.6)	5.88 (149.4)	0.25 (6.4) ②	3.50 (88.9)	5.50 (139.7)	
3	3.88 (98.6)	7.75 (196.9)	0.25 (6.4) ②	3.50 (88.9)	6.0 (152.4)	
4	3.88 (98.6)	9.63 (244.6)	0.25 (6.4) ②	3.50 (88.9)	9.25 (235)	
Stainless Steel						
1	5.0 (127)	5.0 (127)	2.50 (63.5) ③	3.25 (82.6)	1.88 (47.8)	
2	5.0 (127)	6.88 (174.8)	2.50 (63.5) ③	3.25 (82.6)	3.63 (92.2)	
3	5.0 (127)	8.63 (219.2)	2.50 (63.5) ③	3.25 (82.6)	5.50 (139.7)	
4	5.0 (127)	10.50 (266.7)	2.50 (63.5) ③	3.25 (82.6)	7.25 (184.2)	

② Depth given is for flat cover. Deep cover 3/4 inch (19.1 mm) deeper.

③ Depth given includes pull box.

Table 47-249. Spacing Increments

Type	Approximate Dimensions in Inches (mm)		
	F	G	H
Cast	2.44 (62)	2.5 (63.5)	1.88 (47.8)
Polyester	1.88 (47.8)	Min. 2.13 (54.1)	2.25 (57.2)
Stainless Steel	1.69 (42.9)	Min. 1.73 (43.9)	2.25 (57.2)

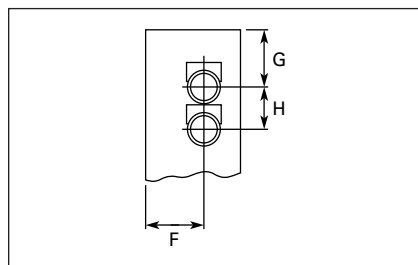


Figure 47-115. Spacing Increments for Enclosures

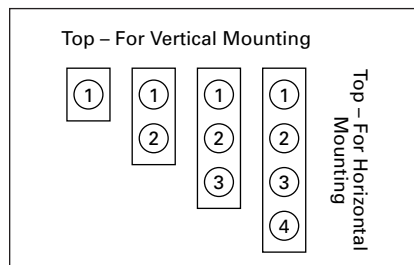









Figure 47-116. Enclosure Arrangement Diagram

Accessories




Padlocks not included with padlocking attachments. For operators with built-in padlock attachment, see **Page 47-120**.

Table 47-250. Accessories


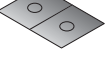




	Description	Catalog Number	Price U.S. \$
Padlock Attachments			
	Padlocking Attachment for Flush Pushbutton Operators Permits locking NC contacts in open position with 1/4" padlock. Will not lock NO contact.	10250TA2	
	Padlocking Attachment for Use with Extended Pushbutton Permits locking NC contacts in open position with 1/4" padlock.	10250TA26	
	Padlocking Cover Guard Cover locked over flush button makes it unaccessible or on extended button locks NC contacts open. Takes 1/4" shank size padlock.	10250TA36	
	Padlock Hasp or Flip-Up Guard When used with a 1/4" padlock, makes flush and long button and knob selector switch unaccessible, but not locked down. Without the padlock, it is a flip-up guard. Padlock hasp can be removed before assembly.	10250TA38	
	Padlocking Attachment for Use with Flexible Weather Resistant Boot Used on long button operators. Stainless steel. Use only for locking NC contacts open.	10250TA63	
	Padlock Attachment For use with Illuminated Push-buttons and maintained Push-Pull operators having standard button or lens only. Use 1/4" padlock. Locks in down position only.	10250TA64	
	Padlocking Attachment for Non-illuminated Knob Selector Switches Provision for up to 5, 1/4" padlocks.	10250TA11	

Shrouds and Guards

	Shroud for Mushroom Head Operator Prevents accidental operation. (Not for push-pull operators.)	10250TA6	
	Extended Retaining Nut Replaces standard nut and provides guard for flush head push-button operators.	10250TA12	
	Guard for Illuminated Pushbutton	10250TA15	
	Shroud For jumbo mushroom head operator. Gray Yellow	10250TA56 10250TA56Y	
	Half Shroud - Yellow For jumbo mushroom head operator.	10250ED1241	
	Fingerproof Shroud — 10 per Package Fits new style contact blocks and light units.	10250TA101	

	Description	Catalog Number	Price U.S. \$
Boots			
	Flexible Weather Resistant Boot For use with button operators (extended buttons preferred). Temperature to -25°F (-32°C) Black Red Green (See Page 47-156 for 10250TA96 Tightening Tool.)	10250TA3 10250TA4 ① 10250TA10	
	Transparent Boot For regular illuminated pushbutton operators and PresTest — Temperature to -38°F (-39°C) ②	10250TA25	
	Boot for Flush Pushbutton Clear Black Red Green	10250TA46 10250TA47 10250TA48 10250TA49	

Hardware and Kits









	Thrust Washers — To meet Ford Motor Co. mounting specifications.	10250TK3	
	Contact Block Tape Seal — Seals plunger openings on last contact block. Order in multiples of 10 pieces.	10250TK5	
	Selector Switch Operator Gasket — Seals out dust from getting in-between the cam and contact block plungers. Supplied as standard with all selector switches.	56-9337	
	Special Retaining Nut — to accommodate thick panel: Indicating lights PresTest, pushbuttons and selector switches	10250TA30 10250TA31	
	Terminal Block — Two terminals, each will accommodate two wire terminations.	10250TA62	
	Spacer Ring — Used when legend plate is not required.	10250TA8	
	Stacking Screw — Replaces transformer mounting screws on indicating light so terminal block 10250TA62 can be mounted to light to support and connect a series resistor. This screw also fits all contact blocks. Order in multiples of 10.	10250TA79	





① Should not be used on flush button for STOP function.

② Not suitable for single contact block depth cast enclosure. Cover is too thick.

10250T Series, Accessories

Table 47-250. Accessories (Continued)

Description	Catalog Number	Price U.S. \$
Hardware and Kits (Continued)		
 Base Mounting Spacers ① — Equivalent to contact block in depth — Complete with screws, washers, etc.	1 Block Deep 2 Block Deep	10250TA22 10250TA23
 Grounding Kits — Kits consist of a ring connector and a #6 screw for mounting connector to rear of contact block mounting screw.		10250TKG1
All components except Standard Indicating Lights and PresTest Indicating Lights		10250TKG2 ② 10250TKG3 ②
 Contact Block Terminal Jumpers — Available in multiples of 100 only. Term. to Term. — within Block (short) 100 per pkg. 1000 per pkg. Term. to Term. — Block to Block (long) 100 per pkg. 1000 per pkg.		10250TA70 10250TA70-2 10250TA71 10250TA71-2
Special Operators and Attachments		
 Wobble Stick Complete with retaining nut — fits standard button.		10250TA5
 Lever Operator For use with two vertically mounted flush pushbuttons.		10250TA14
 Maintained Contact Attachment Release Button Assembly ② Mechanically interlocks with another pushbutton and contact block (not included). Provides mode indication. Minimum hole centers 1.62 inch (41.1 mm), maximum 2.313 inch (58.8 mm). Black Red Green Yellow Same with Long Button — Black		10250TA17 10250TA18 10250TA19 10250TA20 10250TA39
 Maintained Contact Attachment ② Mechanically interlocks two buttons and provides position indication for one. Use with two pushbutton operators and one or more contact blocks.		10250TA1
 Roto-Push Lever Operator — Used to provide lever operation for Roto-Push operators.		10250TA13

Description	Catalog Number	Price U.S. \$
Special Light Modules		
 Master Test (Dual Input) Module — Internal Form C relay suitable for either AC or DC applications. Total electrical isolation between monitored and test circuit. Fits all illuminated 10250T, E22, E30 and E34 devices. 48V DC		10250TMT8
 Flasher Module — Changes any AC illuminated device to a controlled flashing light. Fits 10250T, E30 and E34 devices. 24V 120V		10250TFL2 10250TFL1
 Flashing Incandescent Lamp — For use with 120V transformer type or 6V full voltage type Indicating Lights including PresTest and most E29 devices.		10250ED986-4
Hole Plugs		
 Plug — For unused holes — Steel, painted gray (Stainless steel, use E30KT5, see Page 47-112)		10250TA7
Tools		
 Octagonal 10250T (notched to fit over selector switch lever), E29 and E30		10250TA95
 E22, E30, E34 and Octagonal 10250T (will not fit over selector switch levers)		E22CW
 Tool for Tightening Boots — Used to install boot Catalog Numbers, 10250TA3, A4, A10 and A25.		10250TA96
 10250T, E34 Allen Wrench — Used for removal of jumbo mushroom head.		10250TA102
 Lamp Removal Tools — For transformer type illuminated pushbuttons, push-pull and selector switches. Fits #12 lamp.		10250TA74
 For full voltage and resistor type illuminated pushbuttons, push-pull and selector switches and E30.		E30KV1
 Standard indicating lights. Fits #44, #755, #6S6 and #10S6.		E29KLT


① Component only. Not to be used for custom built (factory assembled) stations.
 ② Not suitable for single contact block depth cast enclosure. Cover is too thick.

Renewal Parts

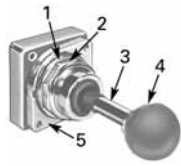
Table 47-251. Replacement Lamps — For 10250T Illuminated Operators

Mfg. Lamp Type	Voltage	Base Style	Application	Part Number	Price U.S. \$
120MB	120V	T 3-1/4 Bayonet	10250T Resistor Indicating Light	28-3044	
#267	6.3V	T 3-1/4 Bayonet	10250T Flasher	10250ED986-4	
#755	6.3V	T 3-1/4 Bayonet	10250T Transformer, PresTest and Full Voltage		
#756	12V	T 3-1/4 Bayonet	10250T Full Voltage		
#757	24V	T 3-1/4 Bayonet	10250T Full Voltage		
#1828	32V	T 3-1/4 Bayonet	10250T Full Voltage	28-5186	
#1835	55V	T 3-1/4 Bayonet	10250T Resistor	28-5187	
NE48	120V	T 4-1/2 Bayonet	10250T Neon	28-494	
NE51H-R22	120V	T 3-1/4 Bayonet	10250T Neon	28-3754	
NE51H-R68	240V	T 3-1/4 Bayonet	10250T Neon	28-3755	

Table 47-252. Replacement LED Lamps — For 10250T, E34 and E22 Units

	Voltage	Color	Continuous		Flashing		
			AC/DC	Price U.S. \$	AC	DC	Price U.S. \$
			Catalog Number		Catalog Number	Catalog Number	
 <p>Standard LED Lamp</p>	6V – 12V	Red Orange Yellow Green Blue White	E22LED612RN E22LED612ON E22LED612YN E22LED612GN E22LED612BN E22LED612WVN		E22LED006RAF E22LED006OAF E22LED006YAF E22LED006GAF E22LED006BAF E22LED006WAF	E22LED006RDF E22LED006ODF E22LED006YDF E22LED006GDF E22LED006BDF E22LED006WDF	
	24V	Red Orange Yellow Green Blue White	E22LED024RN E22LED024ON E22LED024YN E22LED024GN E22LED024BN E22LED024WVN		E22LED024RAF E22LED024OAF E22LED024YAF E22LED024GAF E22LED024BAF E22LED024WAF	E22LED024RDF E22LED024ODF E22LED024YDF E22LED024GDF E22LED024BDF E22LED024WDF	
	48V	Red Orange Yellow Green Blue White	E22LED048RN E22LED048ON E22LED048YN E22LED048GN E22LED048BN E22LED048WVN		E22LED048RAF E22LED048OAF E22LED048YAF E22LED048GAF E22LED048BAF E22LED048WAF	E22LED048RDF E22LED048ODF E22LED048YDF E22LED048GDF E22LED048BDF E22LED048WDF	
	60V	Red Orange Yellow Green Blue White	E22LED060RN E22LED060ON E22LED060YN E22LED060GN E22LED060BN E22LED060WVN		E22LED060RAF E22LED060OAF E22LED060YAF E22LED060GAF E22LED060BAF E22LED060WAF	E22LED060RDF E22LED060ODF E22LED060YDF E22LED060GDF E22LED060BDF E22LED060WDF	
	120V	Red Orange Yellow Green Blue White	E22LED120RN E22LED120ON E22LED120YN E22LED120GN E22LED120BN E22LED120WVN		E22LED120RAF E22LED120OAF E22LED120YAF E22LED120GAF E22LED120BAF E22LED120WAF	E22LED120RDF E22LED120ODF E22LED120YDF E22LED120GDF E22LED120BDF E22LED120WDF	

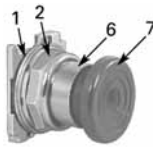
10250T Series, Renewal Parts



2-Position Joystick Operator



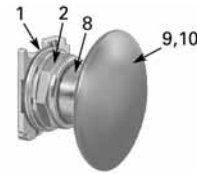
Flush Head Pushbutton Operator



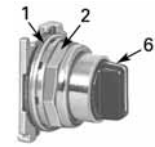
Mushroom Head Pushbutton Operator



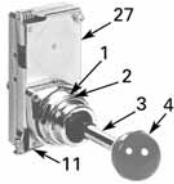
Mushroom Head Operator with Padlock Attachment



Jumbo Mushroom Head Operator



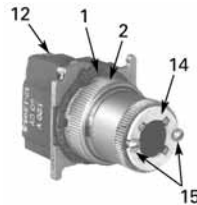
Knob-Operated Selector Switch Operator



4-Position Joystick Operator (w/o Latch)



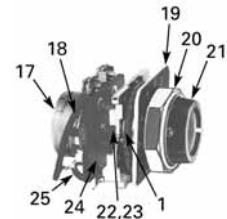
Illuminated Pushbutton Operator



Full Voltage, Resistor and Transformer Type Illuminated Selector Switch



Transformer Type Indicating Light



Potentiometers

Table 47-253. 10250T Style Operator Renewal Parts

Item No.	Description	No. Req.	Part Number	Price U.S. \$
1	Gasket	1	16-1548	
2	Mounting Nut	1	15-1530	
3	Handle	1	24-5045	
4	Knob Knob (Not Shown) for Joystick Operator with Latch	1 1	53-3157 53-3159	
5	Common Gate (Supplied with Operator)	2	16-3400	
6	Set Screw (#6-32 x 0.250" Long Hollow Hex)	2	11-2014	
7	Mushroom Head Button (Includes (2) Item 6) Black Red Yellow Green Blue	1 — — — —	As Req. Below 53-1317 53-1317-2 53-1317-3 53-1317-4 53-1317-22	
8	Set Screw (#10-32 x 0.250" Long Hollow Hex)	2	11-544	
9	Jumbo Mushroom Head Button (Aluminum — Includes (2) Item 8) Red Black Yellow Green	1 — — — —	As Req. Below 53-1317-9 53-1317-10 53-1317-11 53-1317-12	
10	Jumbo Mushroom Head Button (Aluminum — Red EMERG. STOP) Does Not Include Item (8)	1	53-1349-18	
11	Position Gate: 2 Position 3 Position 4 Position 8 Position	1 1 1 1	54-7278 54-7173 54-12278 54-12279	
12	Mounting Screw (#6-32 x 0.710" Long) Washer	2 2	10250TA79 16-2038	
13	Terminal Screw and Lug (Captive)	Req.	80-5502	
14	Gasket (Supplied with Basic Unit)	1	32-803	

Item No.	Description	No. Req.	Part Number	Price U.S. \$
15	Round Head Screw (#4-40 x 0.344" Long) (Supplied with Basic Unit)	2	11-4553	
16	Mounting Screw	2	11-1632	
17	Simple Potentiometer (Does Not Include Items 18, 28 or 29) 1,000 Ohms 2,500 Ohms 5,000 Ohms 10,000 Ohms 25,000 Ohms 50,000 Ohms	1 — — — — —	As Req. Below 41-782-2 41-782-3 41-782-10 41-782-4 41-782-5 41-782-6	
18	Connector (Includes Screw and Lug)	2	25-1851	
19	Indicating Plate Standard Size (Without Legend) Large Size (Specify Legend)	1 — —	As Req. Above 30-4460 10250TR30	
20	Retaining Nut	1	15-1547	
21	Knob Socket Set Screw (#6-32 x 0.250" Long)	1 1	53-1314 11-2014	
22	Coupling	1	29-3749-2	
23	Set Screw (#6-32 x 0.188" Long)	1	11-1199	
24	Spacer	2	56-1066-18	
25	Connector (Includes Screw and Lug)	1	25-1851-2	
26	Mounting Nut	1	15-1938	
27	4-Position Joystick Operating Mechanism (Complete)	1	24-6565	
28	(Not Shown) 4-Position Joystick Operating Mechanism (With Latch) Complete	1	24-6565-2	
29	Spring Loaded Latch	1	52-1214-2	
30	Hand Operated Latch	1	52-913-3	

Push-Pull Operators (Continued)

Push-Pull Light Units, Lenses and Buttons

Table 47-197. Light Units for Illuminated Push-Pull Devices

Light Unit Type	Type	Voltage	Catalog Number	Price U.S. \$	LED/Lamp Number	
LED (LEDs not included) ①	Full Voltage	—	10250T97L		Bayonet Base	
	Transformer AC Only 50/60 Hz	24	10250T89L			
		120	10250T63L			
		208	10250T64L			
		240	10250T65L			
		277	10250T82L			
		380	10250T66L			
		480	10250T67L			
		600	10250T68L			
	Incandescent	Full Voltage AC or DC	6	10250T69		
12			10250T70			
24/28			10250T79			
32			10250T83			
Resistor AC or DC		120	10250T80		#755	
		240	10250T81			
Transformer AC Only 50/60 Hz		24	10250T89		#755	
		120	10250T63			
		208	10250T64			
		240	10250T65			
	277	10250T82				
	380	10250T66				
480	10250T67					
600	10250T68					

① These units do not include lamps. Order LED separately to match lens color, see Page 47-157.

Ordering example with one composite number:

Non-illuminated **10250T5 + 10250TB62 + 10250T1 = 10250T5B62-1X**

Incandescent **10250T5 + 10250T79 + 10250TC47 + 10250T1 = 10250T579C47-1X**

LED **10250T5 + 10250T97L + 10250TC47 + Voltage Code + 10250T1 = 10250T597LRD24-1X**



06 — 6V AC/DC
 12 — 12V AC/DC
 24 — 24V AC/DC
 48 — 48V AC/DC
 60 — 60V AC/DC
 2A — 120V AC
 2D — 120V DC

Table 47-198. Alternate Lenses for Illuminated Push-Pull Devices

	Color	Incand. Suffix Code	LED ② Suffix Code	Catalog Number	Price U.S. \$	
	Standard					
	Red	C47	RD	10250TC47		
	Red (EMER. STOP)	C53	ED	10250TC53		
	Green	C48	GD	10250TC48		
	Blue	C49	LD	10250TC49		
	Amber	C50	AD	10250TC50		
	White	C51	WD	10250TC51		
	Clear	C52	—	10250TC52		
	Side-Lighted Anodized Aluminum Ring					
	Red	C57	RS	10250TC57		
	Red (EMER. STOP)	C63	ES	10250TC63		
	Green	C58	GS	10250TC58		
	Blue	C59	LS	10250TC59		
	Amber	C64	AS	10250TC64		
	Yellow	C60	YS	10250TC60		
	White	C61	WS	10250TC61		
		Clear	C62	—	10250TC62	
		Heavy-Duty Aluminum with Transparent Center				
Red		C65	RH	10250TC65		
Green		C66	GH	10250TC66		
Amber		C67	AH	10250TC67		
Blue		C69	—	10250TC69		
White		C68	—	10250TC68		

② Suffix Codes should only be used for assembling composite Catalog Numbers. To order lens above, order by Catalog Number.

Table 47-199. Buttons for Non-illuminated Push-Pull Devices

	Color	Suffix Code	Catalog Number	Price U.S. \$
	Standard			
	Red	B62	10250TB62	
	Red (EMER. STOP)	B63	10250TB63	
	Green	B61	10250TB61	
	Black	B60	10250TB60	
	Blue	B64	10250TB64	
	Jumbo Mushroom Head (Anodized) Aluminum ③			
	Red	J62	10250TJ62	
	Red (EMER. STOP)	J63	10250TJ63	
	Green	J61	10250TJ61	
	Black	J60	10250TJ60	
	Yellow	J64	10250TJ64	

③ Anodized aluminum head is not suitable for use in ultraviolet light applications.

Legend Plates

For a complete listing of available Legend Plates see Pages 47-151 – 47-152.

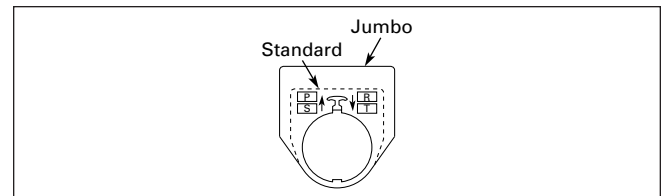


Figure 47-93. Legend Plates

Contact Blocks Page 47-148
 Dimensions Pages 47-160 – 47-162
 Enclosures Pages 47-153 – 47-154
 Legend Plates Pages 47-151 – 47-152
 Discount Symbol 1CD1C