

Dual-Service PVC Floor Box



Protection from
water, dirt, and
debris.

The Walker Ratchet-Pro PVC Floor Box provides dual-service capability in a single, easy-to-install round floor box. This design allows the flexibility of providing power and communications to open-space areas in one aesthetic package. Applications include malls, shopping centers, department stores, airports, hospitals, and office buildings. This box is UL/cUL Listed for both grade and above grade concrete construction.



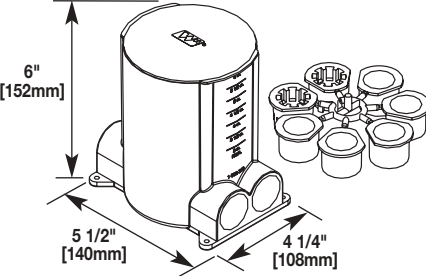
The Ratchet-Pro PVC Floor Box provides power and communication to open-space areas.

Features & Benefits

- **TopGuard protection.** An integral design which keeps out water, dirt, and debris from the power or communication compartment. Whenever you see the TopGuard protection icon applied to any Wiremold product, you will know that the product meets and exceeds the new UL scrub water exclusion requirement.
- **UL Listed to U.S. and Canadian safety standards for tile, terrazzo, and the new UL requirements under UL514A and UL514C for scrub water exclusion test for carpet and wood floors.**
- **Ratchet adjusting ring.** Allows for quick and easy installation without gluing, as well as removal of cover to activate at a future date for dual service*. 10° of flexible adjustment allows cover to conform to the surface of the concrete pour, which significantly reduces labor costs.
- **Parallel conduit hubs.** Allows for conduit feeds to be parallel for both power and communication cables. Reduces labor and material costs by eliminating the need for 90° bends and allows for easier wire pulling for dual-service.
- **Graduated cubic inch markings on interior of the box.** Allows for quick and easy determination of cubic inch capacity – no need for calculations.
- **Complete line of brass, brushed aluminum, and polycarbonate activations.** Provides a wide selection of device and aesthetic options.
- **Corresponding graduated cubic inch markings on divider.** Labor savings provided by easy separation of services. Individual compartment capacities are indicated.
- **Four 1" [25mm] conduit hubs.** Greater capacity allowed by larger conduit hubs.
- **Individual conduit reducers and conduit plugs.** Reduction in labor costs by supplying direct reduction for 1/2" and 3/4" [12.7 and 19.1mm] conduits – no need to tandem separate reducers for adapting to 1/2" [12.7mm] conduit. No need to cut out conduit plugs to make reducers – reducers and plugs are separate.
- **Streamlined design of divider.** Labor savings from ease of cutting using a utility knife, no hacksaw or tape measure needed. Also allows for more room to splice wires.
- **"Dead-Front" protection with the 897CTC, 881CTC, and 881RC4ATC Series Covers.** Slide covers snap back into place when receptacle is not in use to prevent dirt and debris from entering device.
- **Redesigned mudcap.** High impact mudcap protects box from damage when heavy equipment such as scissor lift trucks come in contact with the box during installation.

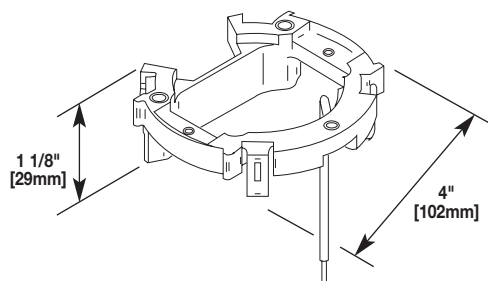
*Conduits must already be connected.

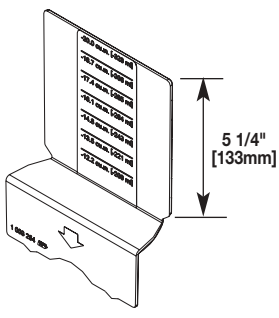
Ratchet-Pro PVC Floor Box – Box, Divider, Adjusting Ring, Brass Cover

Catalog No./Item	Description /Specifications
881	<p>Round PVC Floor Box – Supplied with reusable concrete cap, conduit reducers, and conduit hub plugs. Available for both single and dual service. Graduated cubic inch markings inside the box indicate volume capacity at any depth. Box has parallel conduit hubs eliminating the need for 90° sweeps in installation. One-piece reduction from 1" to 1/2" [25mm to 12.7mm] conduit. Reducers and plugs located on a mounting bar for easier selection. For concrete pours of 2 1/4" to 6" [57mm to 152mm].</p> 

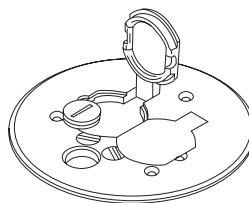
881ADP	<p>PVC Floor Box Ratchet Adjusting Ring – Used to attach wiring devices and cover plates to PVC Box. Locks into place without using glue or mechanical fasteners. Compensates for up to 10° of tilt if box is not level. Ground wire is factory attached to the adjusting ring.</p>
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(One ring required per box, single-or dual-service.)

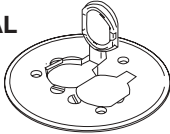
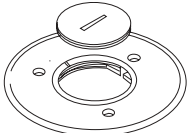
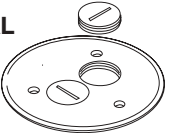
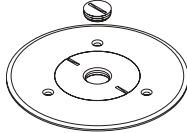

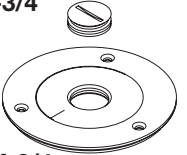
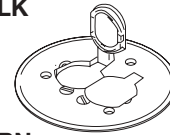
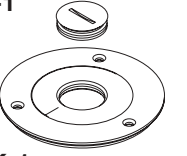
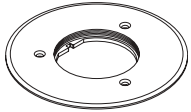
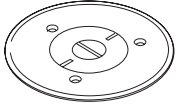


Catalog No./Item	Description /Specifications
881DIV	<p>PVC Floor Box Divider Plate – Used to isolate power and communication compartments. Graduated cubic inch markings are marked clearly on the divider and correspond directly to the cubic inch markings on the interior of the box. Cuts easily with a utility knife. Supplied with a receptacle plate that completes separation of power and communication services. One divider required for dual-service activation.</p> 

895DCC	<p>Dual-Service Brass Duplex Cover Plate – With flip lids. Supplied with 1/2" [12.7mm] screw plug for accessing communication cables. 5 1/2" [140mm] diameter for carpet applications only. Used in conjunction with the 881DIV to complete dual-service activation.</p>
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Cover Plates for 881 PVC Floor Box

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
895 895TCAL  895T 895TAL	Brass/Brushed Aluminum Duplex Cover Plate – With flip lids, 5 1/2" [140mm] diameter for carpet. Brass/Brushed Aluminum Duplex Cover Plate – With flip lids, 4 1/4" [108mm] diameter for tile.	896CK  896TCK	Brass Communication or Power Cover Plate – With 2 1/4" [57mm] threaded opening, 5 1/2" [140mm] diameter for carpet. Brass Communication or Power Cover Plate – With 2 1/4" [57mm] threaded opening, 4 1/4" [108mm] diameter for tile.
895SP 895SPAL  895TSP 895TSPAL	Brass/Brushed Aluminum Cover Plate – With two screw plug openings*, 5 1/2" [140mm] diameter for carpet. Brass/Brushed Aluminum Cover Plate – With two screw plug openings*, 4 1/4" [108mm] diameter for tile. <i>*Screw plug openings are 1 1/2" [38mm] – 16 tapped openings.</i>	896CK-1/2 896CKAL-1/2  896TCK-1/2 896TCKAL-1/2	Brass/Brushed Aluminum Cover Plate – With 1/2" [12.7mm] threaded opening, 5 1/2" [140mm] diameter for carpet. Brass/Brushed Aluminum Cover Plate – With 1/2" [12.7mm] threaded opening, 4 1/4" [108mm] diameter for tile.
895GFI 895GFICAL  895TGFI 895TGFIAL	Brass/Brushed Aluminum GFI Receptacle Cover Plate – 5 1/2" [140mm] diameter for carpet. Brass/Brushed Aluminum GFI Receptacle Cover Plate – 4 1/4" [108mm] diameter for tile.	896CK-3/4  896TCK-3/4	Brass Cover Plate – With 3/4" [19.1mm] threaded opening, 5 1/2" [140mm] diameter for carpet. Brass Cover Plate – With 3/4" [19.1mm] threaded opening, 4 1/4" [108mm] diameter for tile.
895P-BLK  895P-BRN 895P-BRZ 895P-AL	Black Polycarbonate Duplex Cover Plate – With flip lids, 5 1/2" [140mm] diameter. Brown Polycarbonate Duplex Cover Plate – With flip lids, 5 1/2" [140mm] diameter. Bronze Polycarbonate Duplex Cover Plate – With flip lids, 5 1/2" [140mm] diameter. Aluminum Polycarbonate Duplex Cover Plate – With flip lids, 5 1/2" [140mm] diameter.	896CK-1  896TCK-1	Brass Cover Plate – With 1" [25mm] threaded opening, 5 1/2" [140mm] diameter for carpet. Brass Cover Plate – With 1" [25mm] threaded opening, 4 1/4" [108mm] diameter for tile.
896*  896T*	Brass Communication or Power Cover Plate – With 2 5/8" [67mm] threaded opening, 5 1/2" [140mm] diameter for carpet. Brass Communication or Power Cover Plate – With 2 5/8" [67mm] threaded opening, 4 1/4" [108mm] diameter for tile. <i>*Sold less abandon plug.</i>	896PCK-BLK  896PCK-BRN 896PCK-BRZ 896PCK-AL	Black Polycarbonate Communication or Power Cover Plate – 5 1/2" [140mm] diameter. Brown Polycarbonate Communication or Power Cover Plate – 5 1/2" [140mm] diameter. Bronze Polycarbonate Communication or Power Cover Plate – 5 1/2" [140mm] diameter. Aluminum Polycarbonate Communication or Power Cover Plate – 5 1/2" [140mm] diameter.

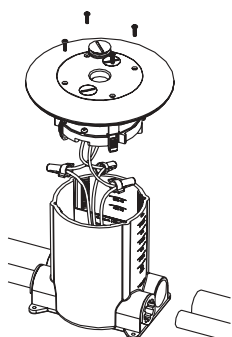
NOTE: 1. All cover plates are furnished with gasket and three screws.
 2. The 895P Polycarbonate Series Cover Plates must be field modified for dual-service.

897CTC Series Floor Box Cover Ordering Information

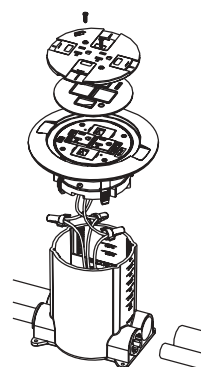
Catalog No./Item	Flange Color	Slide Holder Color	Description/Specifications	
897CTCGY 897CTCBK 897CTCAL 897CTCBS	Gray Black Brushed Aluminum Solid Brass	Gray Black Black Black	Multiple Service Floor Box Cover Kit – For 881PVC Floor Box. Kit complete with prewired 20A duplex receptacle, (receptacle can be wired as standard receptacle or Isolated Ground), flange and slide holder, 881ADP Adapter, and 881DIV Divider. <ul style="list-style-type: none"> • Provided with Pass & Seymour open system unloaded bezels to accept two discrete keystone connectors from most manufacturers, two TechChoice™ keystone connectors, and two unloaded bezels to accept Avaya keystone connectors. <p>CAUTION: Not for use on concrete pours less than 4 1/2" [114mm]. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.</p>	<div>ORT</div> <div>P&S</div> <div>OPEN</div>
897CTJTCTGY 897CTJTCTBK 897CTJTCTAL 897CTJTCTBS	Gray Black Brushed Aluminum Solid Brass	Gray Black Black Black	Multiple Service Floor Box Cover Kit – For 881 PVC Floor Box. Kit complete with prewired 20A duplex receptacle, (receptacle can be wired as standard receptacle or Isolated Ground), flange and slide holder, 881ADP Adapter, and 881DIV Divider. <ul style="list-style-type: none"> • Provided with unloaded Ortronics TracJack bezels to accept the TracJack inserts. TracJack inserts sold separately. <p>CAUTION: Not for use on concrete pours less than 4 1/2" [114mm]. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.</p>	<div>ORT</div> <div>P&S</div> <div>OPEN</div>
897CFFTCGY 897CFFTCBK 897CFFTCAL 897CFFTCBS	Gray Black Brushed Aluminum Solid Brass		Single- or Dual-Service Floor Box Cover – For Furniture Feed Applications. Includes two 1/2" and one 3/4" [12.7 and 19.1mm] conduit connectors. <p>CAUTION: Not for use on concrete pours less than 4 1/2" [114mm]. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.</p>	

897CTC Series Floor Box Cover Installations

897CFFTC Assembly Activate Exploded View

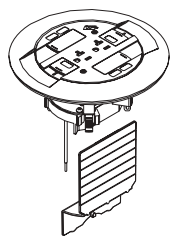


897CTC Assembly Ortronics or Activate Exploded View

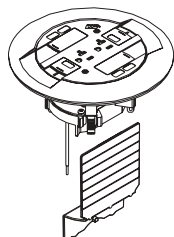


881CTC Series Floor Box Cover Order Information

Catalog No./Item	Flange Color	Slide Holder Color	Description/Specifications	
881CTCGY 881CTCBK 881CTCAL 881CTCBS	Gray Black Brushed Aluminum Solid Brass	Gray Black Black Black	Multiple Service Floor Box Cover Kit – For 881PVC Floor Box. Kit complete with prewired 20A duplex receptacle, (receptacle can be wired as standard receptacle or Isolated Ground), flange and slide holder, 881ADP Adapter, and 881DIV Divider. <ul style="list-style-type: none"> • Provided with Pass & Seymour open system unloaded bezels to accept two discrete keystone connectors from most manufacturers and two Pass & Seymour Activate modular inserts. Other Activate modular inserts for fiber optic, coaxial, audio, and video applications can be ordered separately. 	<div>ORT</div> <div>P&S</div> <div>OPEN</div>
881CRTTCGY 881CRTTCBK 881CRTTCAL 881CRTTCBS	Gray Black Brushed Aluminum Solid Brass	Gray Black Black Black	Multiple Service Floor Box Cover Kit – For 881 PVC Floor Box. Kit complete with prewired 20A duplex receptacle, (receptacle can be wired as standard receptacle or Isolated Ground), flange and slide holder, 881ADP Adapter, and 881DIV Divider. <ul style="list-style-type: none"> • Provided with two unloaded Ortronics TracJack bezels and two unloaded Ortronics Series II bezels to accept TracJack and Series II inserts. TracJack and Series II inserts sold separately. 	<div>ORT</div> <div>P&S</div> <div>OPEN</div>



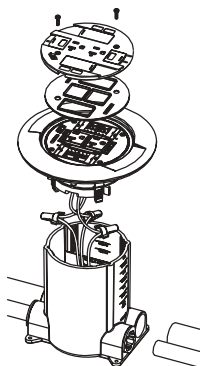
CAUTION: Not for use on concrete pours less than 4 1/2" [114mm]. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.



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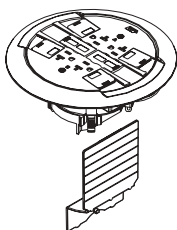
881CTC Series Floor Box Cover Installations

881CTC Assembly Ortronics or Activate Exploded View

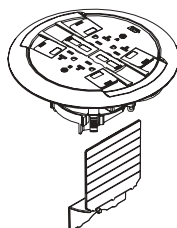


881RC4ATC Series Floor Box Cover Order Information

Catalog No./Item	Flange Color	Slide Holder Color	Description/Specifications	
881RC4ATCGY 881RC4ATCBK 881RC4ATCAL 881RC4ATCBS	Gray Black Brushed Aluminum Solid Brass	Gray Black Black Black	Multiple Service Floor Box Cover Kit – For 881PVC Floor Box. Kit complete with two (2) 20A duplex receptacles, (receptacles can be wired as standard or Isolated Ground), flange and slide holder, 881ADP Adapter, and 881DIV Divider. <ul style="list-style-type: none"> • Provided with Pass & Seymour open system unloaded bezels to accept four discrete keystone connectors from most manufacturers and four TechChoice™ keystone connectors, and two unloaded bezels to accept Avaya keystone connectors. 	<div>ORT</div> <div>P&S</div> <div>OPEN</div>
881RC4ARTTCGY 881RC4ARTTCBK 881RC4ARTTCAL 881RC4ARTTCBS	Gray Black Brushed Aluminum Solid Brass	Gray Black Black Black	Multiple Service Floor Box Cover Kit – For 881 PVC Floor Box. Kit complete with two 20A duplex receptacle, (receptacle can be wired as standard or Isolated Ground), flange and slide holder, 881ADP Adapter, and 881DIV Divider. <ul style="list-style-type: none"> • Provided with unloaded Ortronics TracJack and Series II bezels to accept the TracJack and Series II inserts. TracJack and Series II inserts sold separately. 	<div>ORT</div> <div>P&S</div> <div>OPEN</div>



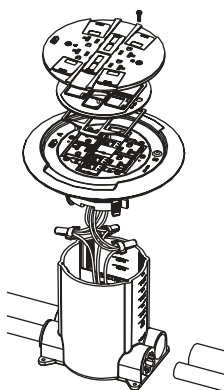
CAUTION: Not for use on concrete pours less than 4 1/2" [114mm]. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.



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881RC4ATC Series Floor Box Installations

881RC4ATC Assembly Ortronics or Activate Exploded View



Volume Capacities for Ratchet-Pro PVC Floor Box

Volume Capacities							
		Single Service 895 & 896 Activation		Dual Service 895DCC Activation		Dual Service 881CTC, 881RC4ATC, 897CTC & 897CFFTC Activations	
BOX HEIGHT		WIRING VOLUME		WIRING VOLUME (with Divider)		WIRING VOLUME (with Divider)	
In	[mm]	Cu. In	[ml]	Cu. In	[ml]	Cu. In	[ml]
6	[152.0]	65.0	[1065.0]	45.0	[738.0]	27.9	[457.0]
5 1/2	[140.0]	58.0	[950.0]	39.3	[644.0]	22.2	[364.0]
5	[127.0]	51.0	[835.0]	33.6	[551.0]	16.5	[270.0]
4 1/2	[114.0]	44.0	[720.0]	27.9	[457.0]	10.8	[177.0]
4	[102.0]	37.0	[605.0]	22.2	[364.0]		
3 1/2	[89.0]	30.0	[490.0]	16.5	[270.0]		
3	[76.0]	23.0	[377.0]	10.8	[177.0]		

CAUTION: Do not use in concrete pours less than 4 1/2" [114mm].

NOTE: To calculate total box volume, use the displacement of the largest uncut section remaining.

CAUTION

Installation must comply with NEC and local code conductor volume requirements. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.

PVC Floor Box Components

Catalog No./Item	Description/Specifications
895DCC	Dual-Service Brass Duplex Cover Plate
Gasket	Gasket
881ADP	881 Floor Box Adjusting Ring
881DIV	881 Floor Box Divider
881	PVC Floor Box

To Wiremold.com

Guide Form Specs
CAD Drawings Available

Datacom Connectivity Options

Now you have a wide range of options for providing datacom connectivity into Wiremold® Cable Management Systems. They are:

- Ortronics® TracJack® and Series II Modular Connectivity Solutions
- Pass & Seymour Activate™ Modular Inserts
- Open System Communication Modules

Use these icons to determine connectivity options for each Wiremold System component:

ORT	ORT	ORT
P&S	P&S	P&S
OPEN	OPEN	OPEN

ORT

P&S

OPEN

Ortronics® Connectivity

TracJack® Individual Jack System

- Front-loading, snap-in design supports future moves adds and changes
- Inserts for voice, data, audio, and video
- Available Category 3, 5e, 6, USOC 6-position, and other media
- Choice of 13 colors and color matched to Wiremold Systems
- Universal T568A/B wiring format



Series II Front-Loading, Module System

- Module design features easy snap-in front-loading design
- Linear 110 punch down format for easy termination
- Inserts for voice, data, audio, and video
- Available Category 3, 5e, 6, USOC 6-position, and other media
- Color matched to Wiremold Systems



For detailed product selection refer to the Ortronics Catalog or visit www.ortronics.com.

ORT

P&S

OPEN

Pass & Seymour Legrand Network Wiring

Activate™ Series Front-Loading Inserts

- Modular inserts for voice, data, audio and video applications
- Front-load, snap-in design
- Color and texture matched to Wiremold Systems
- Available Category 3, 5e, 6, as well as 6-position USOC
- Universal T568A/B wiring format



For detailed product selection refer to the Pass & Seymour Network Wiring Catalog or visit www.passandseymour.com.

ORT

P&S

OPEN

Open Connectivity Solutions

Wiremold Open System Communications Modules

- Accommodate a wide range of manufacturers' communications outlets including keystone jacks, as well as proprietary solutions from Avaya (Systimax) and NORDX
- Modules insert into a wide range of Wiremold Systems
- Pre-punched faceplates accept common communication devices



NOTE: For more information on integrating connectivity into Wiremold Cable Management Systems contact the Wiremold Applications Engineering Team or your local Wiremold Sales Representative.

WIREMOLD



Wiremold / Legrand

U.S. and International:

60 Woodlawn Street • West Hartford, CT 06110

1-800-621-0049 • FAX 860-232-2062 • Outside U.S. 860-233-6251

Canada:

570 Applewood Crescent • Vaughan, Ontario L4K 4B4

1-800-723-5175 • FAX 905-738-9721

