



Wiremold

Ratchet-Pro Slide Cover INSTALLATION INSTRUCTIONS

Installation Instruction No.: 1 003 720 R2 - Updated May 2009

Wiremold/Legrand electrical systems conform to and should be properly grounded in compliance with requirements of the current National Electrical Code or codes administered by local authorities.

All electrical products may present a possible shock or fire hazard if improperly installed or used. Wiremold/Legrand electrical products may bear the mark as UL Listed and/or Classified and should be installed in conformance with current local and/or the National Electrical Code.

IMPORTANT: Please read all instructions before beginning.

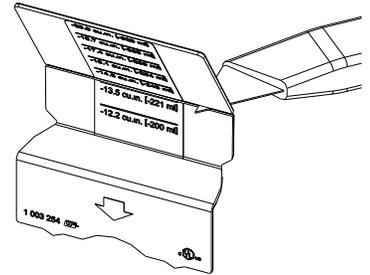
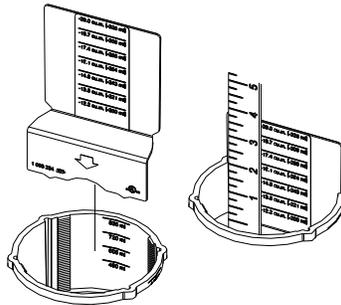
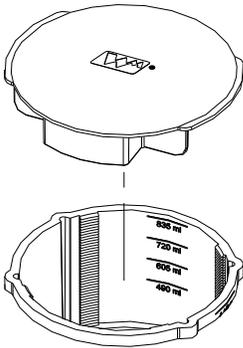
Products Covered: 881AMD8TC, 897CTC, 897CFFTC, 881CTC, 881RC4TC, 881AV3CTC, 8814FFCTC, 899CTC & 881CM2TC – For use in 4 1/2" [114.3mm] minimum concrete pours.

CAUTION: Do not operate tile stripper or resurfacing equipment over top of cover. This may result in damage to the surface finish of the product.

For use in 4 1/2" [114mm] minimum concrete pours.

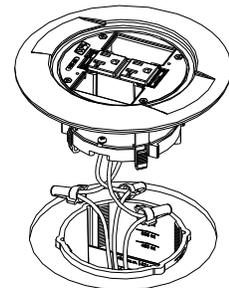
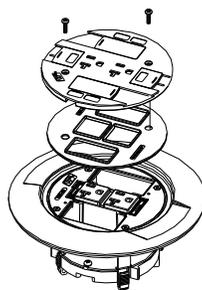
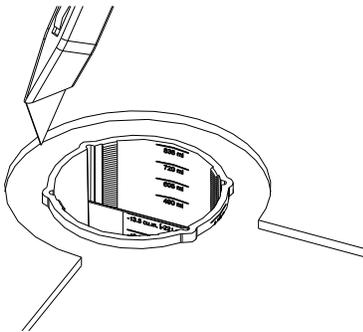
FLOOR BOX PREPARATION:

1. Remove protective concrete cap from box.
2. For dual service applications, slide partition onto the slots located on the inside of the box and mark the partition 2" [51mm] below the top of the box. Volume of power compartment is reduced by the first legible calibration.
3. Remove the partition and break off the top portion at the first calibration below the mark made from step 2. Reinstall the partition with the small compartment being the communications side.



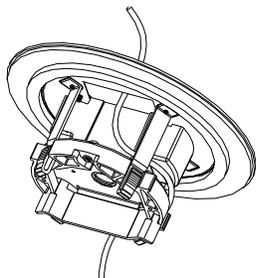
881AMD8TC/881CTC/881AV3CTC COVER INSTALLATION

1. Cut a 6 1/2" [165mm] circular concentric opening in the floor covering.
2. Remove the slide cover and gasket to access the communications compartments.
3. Connect receptacle leads to circuit conductors with twist-on wire connectors or other approved methods.

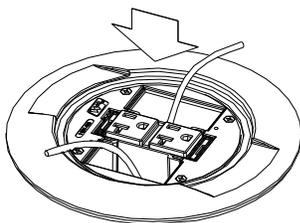


WARNING: Receptacle mounting means not grounded. Grounding wire connection required. For isolated ground wiring, connect ground leads to a separate isolated grounding conductor (see NEC 250-146(d)).

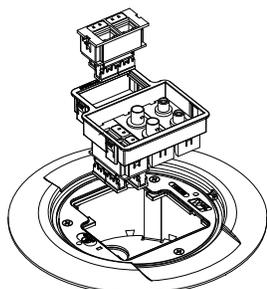
4. Pull the communications cables through the cover. Route cable around the receptacle shell for devices opposite the communications compartment.



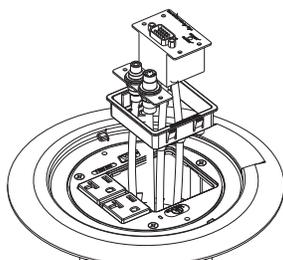
5. Orient the open side of the cover adapter with the divided side of the box and push into place – No glue required!



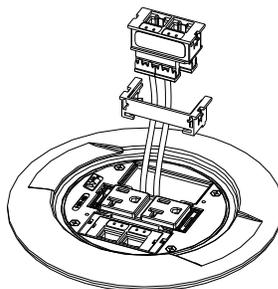
6. Wire and snap communication jacks into flange.



881AMD8TC Series



881AV3CTC Series

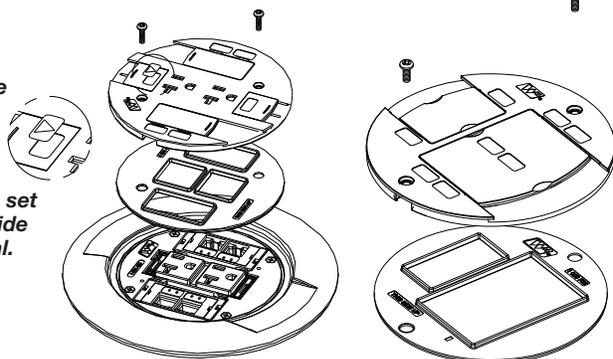


881CTC Series

7. Align gasket over receptacle and press bead into flange channel. Reattach slide cover with two #6 screws.

NOTE: For isolated ground applications, apply IG icon on receptacle slide as shown.

CAUTION: Gasket must be set in place to provide scrub water seal.

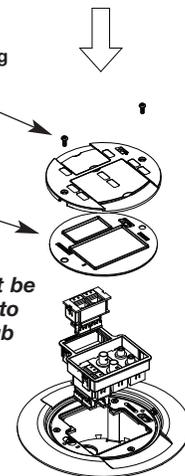


Slide Cover Mounting Screws (2) #6-32

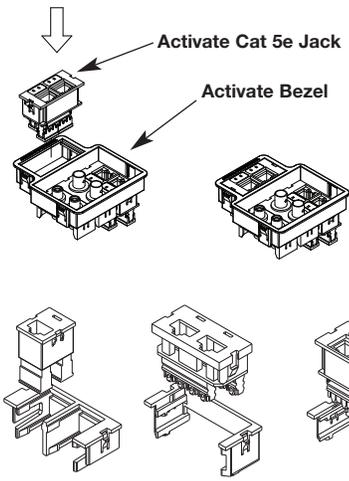
Align gasket over communications opening and press bead into flange channel.

CAUTION: Gasket must be set in place to provide scrub water seal.

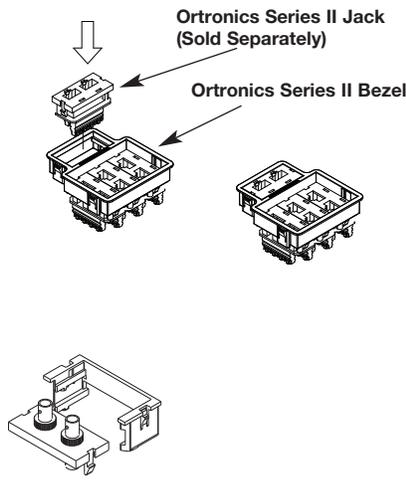
CAUTION: Receptacle supplied with this activation is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing. Replacement receptacle is limited to this manufacturer's catalog No. RC37REC.



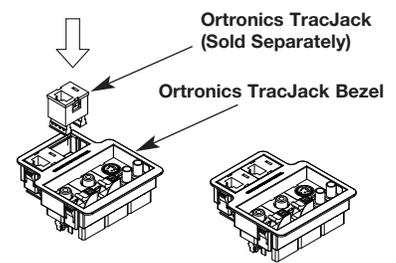
Pass & Seymour Activate Bezel & CM Modules



Ortronics Series II Bezel

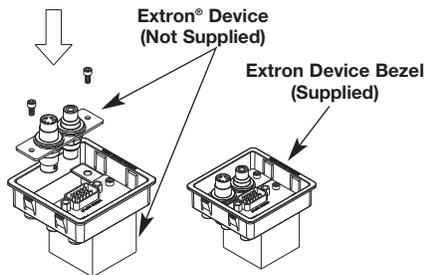


Ortronics TracJack Bezel & Communication Jack

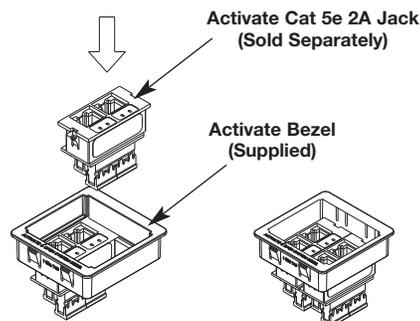


Extron® Device Bezel – Supplied with AV3CTC.

(Extron® Devices Sold Separately Through Extron® Distributors Only)



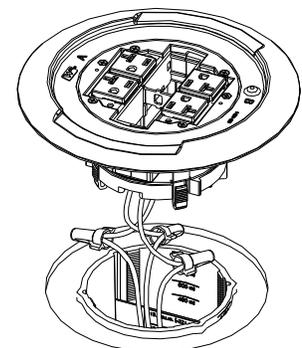
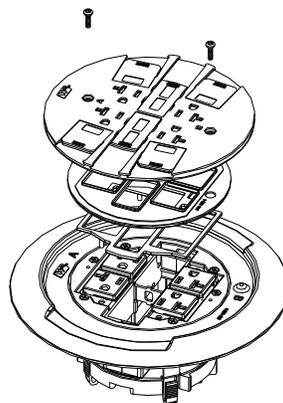
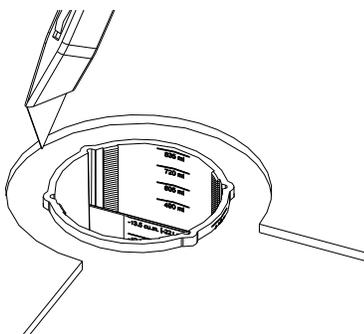
Pass & Seymour ACTIVATE Bezel & CM Modules – Supplied with AV3CTC



NOTE: This Bezel Accommodates (1) Single and (1) Double or (3) Single MAAPs (Mini Architectural Adapter Plates) Extron® Devices.

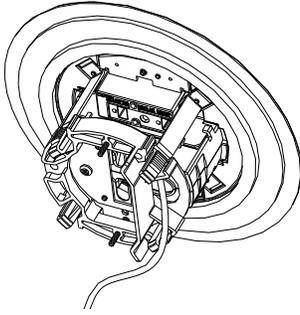
881RC4 COVER INSTALLATION:

1. Cut a 6 1/2" [165mm] circular concentric opening in the floor covering.
2. Remove the slide cover and gasket to access the communications compartments.
3. Connect receptacle leads to circuit conductors with twist-on wire connectors or other approved methods.

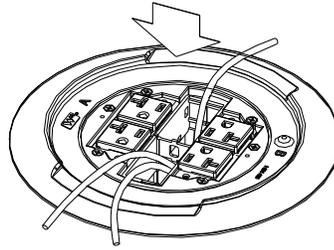


WARNING: Receptacle mounting means not grounded. Grounding wire connection required. For isolated ground wiring, connect ground leads to a separate isolated grounding conductor (see NEC 250-146(d)).

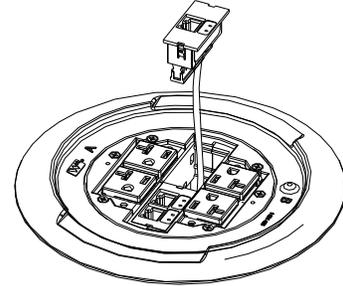
4. Pull the communication cables through the cover as shown.



5. Orient the cover so that the divider on the underside of the cover lines up with the divider inside the floor box.



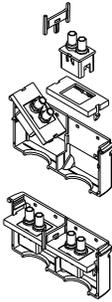
6. Wire and snap communication jacks into flange.



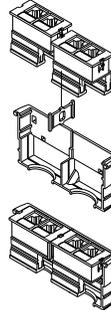
6a. 881RC4 COMMUNICATION OPTIONS

Pass & Seymour Activate & CM2 Module Installation:
(Modular Jacks sold separately)

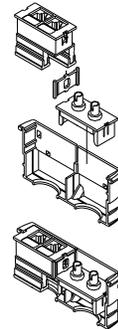
Both Recessed



Both Flush



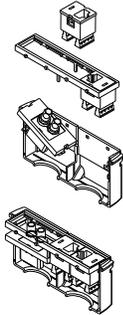
Recessed/Flush



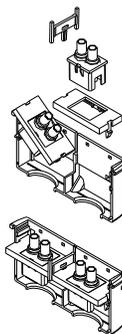
Ortronics TracJack Installation

Four Cat 5e TracJack Modules (TracJack Modules sold separately)

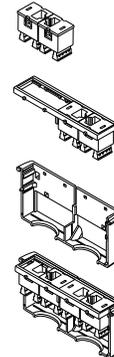
Combination



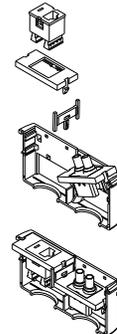
Both Recessed



Both Flush



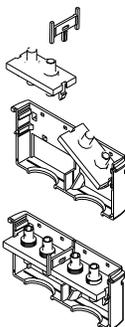
Recessed/Flush



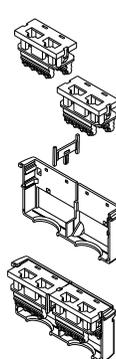
Ortronics Series II Installation

(Series II Modular Inserts not included, sold separately.)

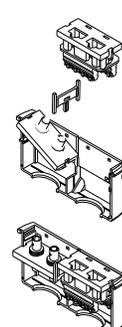
Both Recessed



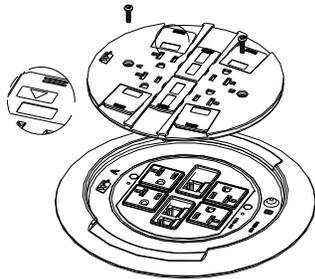
Both Flush



Recessed/Flush



7. Align gasket over receptacle and press bead into flange channel. Reattach slide cover with two #6 screws.



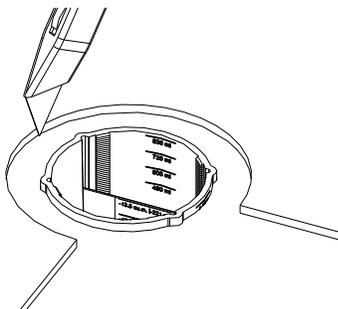
CAUTION: Gasket must be set in place to provide scrub water seal.

NOTE: For Isolated ground applications, apply IG icon on receptacle slide as shown.

CAUTION: Receptacle supplied with this activation is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing. Replacement receptacle is limited to this manufacturer's catalog No. RC4REC2.

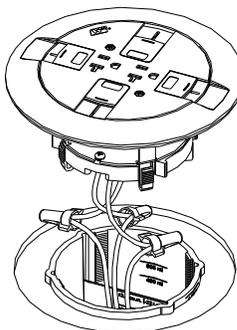
897CTC COVER INSTALLATION:

1. Cut a 6 1/2" [165mm] circular concentric opening in the floor covering.

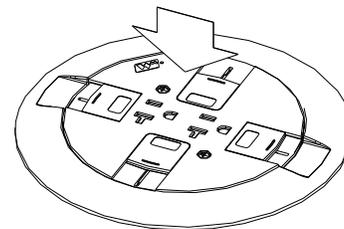


2. Connect receptacle leads to circuit conductors with twist-on wire connectors or other approved methods.

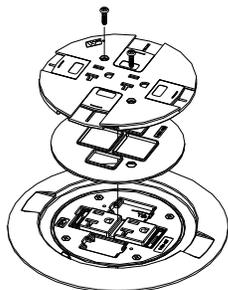
WARNING: Receptacle mounting means not grounded. Grounding wire connection required. For isolated ground wiring, connect ground leads to a separate isolated grounding conductor (see NEC 250-146(d)).



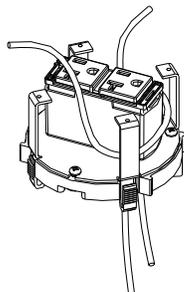
3. Orient the open side of the adapter with the divided side of the box and push into place – No glue required!



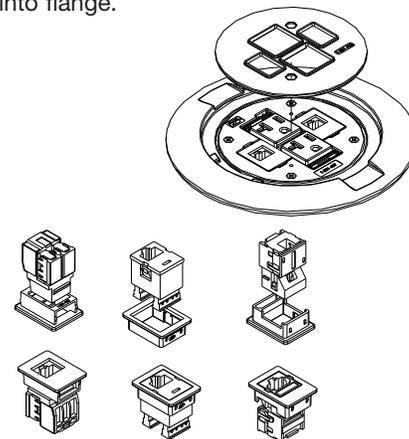
4. Remove the slide cover, gasket, and trim flange to access the communications compartments.



5. Pull communication cables through cover. Route cable around the receptacle shell for devices opposite the communications compartment.

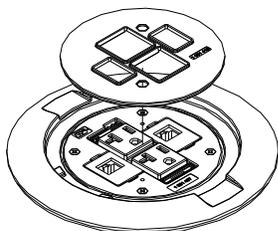


6. Wire and snap communication jacks into flange.

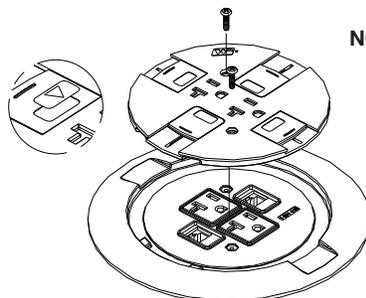


7. Align gasket over receptacle and press bead into flange channel.

CAUTION: Gasket must be set in place to provide scrub water seal.



8. Re-attach cover with (2) #6 screws.

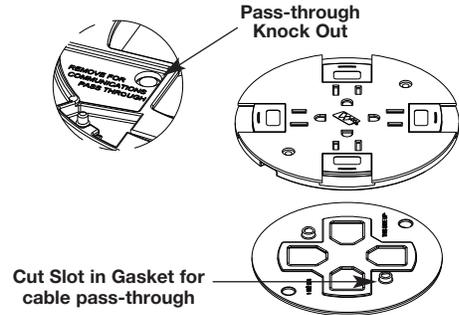
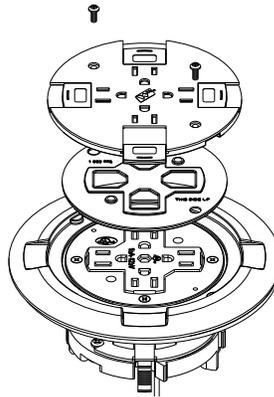
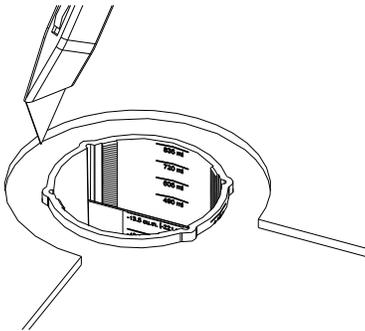


NOTE: For Isolated ground applications, apply IG icon on receptacle slide as shown.

CAUTION: Receptacle supplied with this activation is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing. Replacement receptacle is limited to this manufacturer's catalog No. RC37REC.

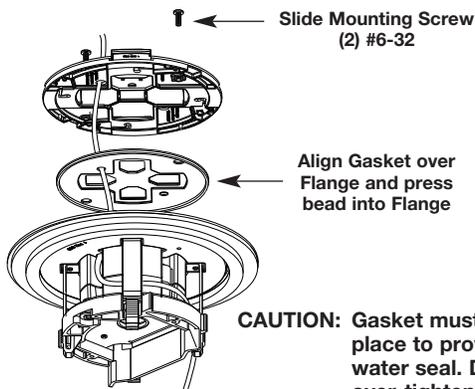
899CTC COVER INSTALLATION:

1. Cut a 6 1/2" [165mm] circular concentric opening in the floor covering.
2. Remove the slide cover and gasket to facilitate the routing of the communication cables.
3. For communication cable pass-through, remove the egress knockout(s) located on the underside of the cover.

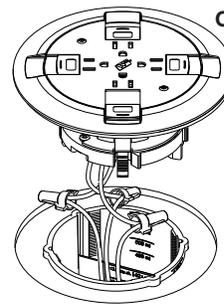


4. Pull communication cables through box. Route one of the cables around the receptacle for cable egress opposite the communication compartment in the floor box. Reattach slide cover with (2) #6 screws. Pass through cabling must pass through internal gasket and slide cover.

5. Connect receptacle leads to circuit conductors with twist-on wire connector or other approved methods. See schematic below.



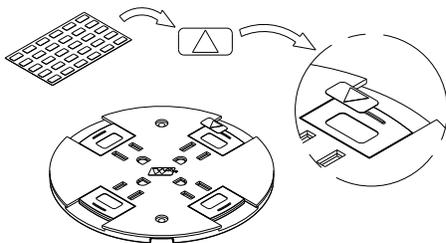
CAUTION: Gasket must be set in place to provide scrub water seal. Do not over-tighten cover mounting screws.



CAUTION: Receptacle mounting means not grounded. Grounding wire connection required. For isolated ground wiring, connect ground leads to a separate isolated grounding conductor (see NEC 250-146(d)).

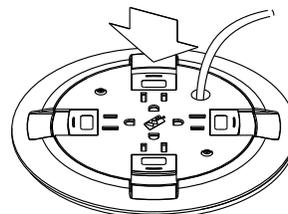
CONVENTIONAL WIRING SCHEMATIC		ISOLATED GROUND WIRING SCHEMATIC	
BLACK or HOT from branch circuit	BLACK from slide cover receptacle	BLACK or HOT from branch circuit	BLACK from slide cover receptacle
WHITE or NEUTRAL from branch circuit	WHITE from slide cover receptacle	WHITE or NEUTRAL from branch circuit	WHITE from slide cover receptacle
GREEN or GROUND from branch circuit SYSTEM GROUND	GREEN from slide cover receptacle	ISOLATED GROUND from branch circuit	GREEN from slide cover receptacle
	GREEN (jumper wire) from cover adapter ring	GREEN or GROUND from branch circuit SYSTEM GROUND	GREEN (jumper wire) from cover adapter ring

6. If circuit is connected to an isolated ground, apply IG Icon on receptacle slide as shown.



NOTE: The orange triangle shall only be placed on devices that are wired for isolated ground. See NEC 250-146(d).

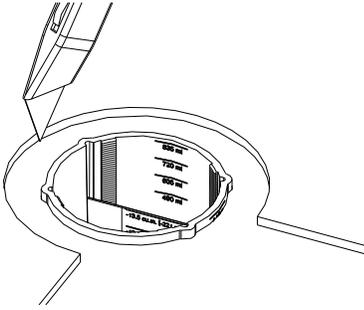
7. Orient the open side of the cover adapter with the divided side of the box and push into place – No glue required!



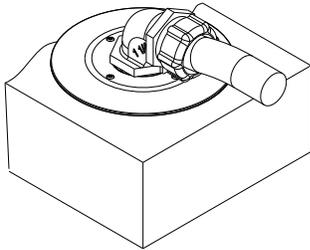
CAUTION: Receptacle supplied with this activation is not suitable for direct field wiring. Contact manufacturer for replacement. Field modifications will void UL Listing. Replacement receptacle is limited to this manufacturer's catalog No. RC9REC.

881CM2TC COVER INSTALLATION:

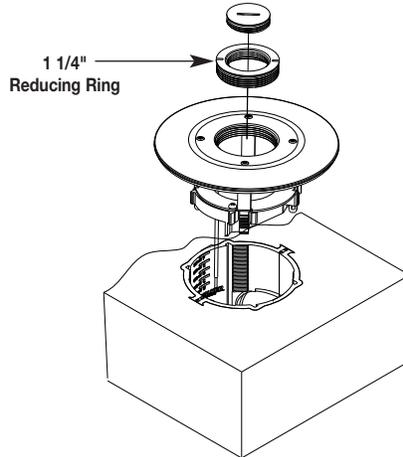
1. Cut a 6 1/2" [165mm] circular concentric opening in the floor covering.



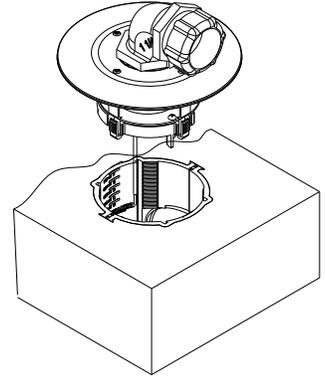
4. Attach conduit to conduit fitting, pull wires and push activation into floor box until firmly seated on floor.



2. Remove necessary screw plugs from the flange.



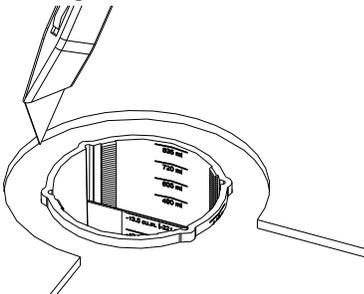
3. Attach a 2" or 1 1/4" trade size conduit fitting (not supplied) to the flange. If a 1 1/4" trade size fitting is used, insert the 1 1/4" reducing ring supplied before inserting the fitting.



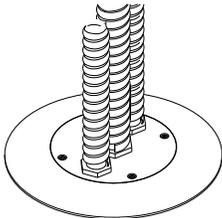
CAUTION: Flange must be grounded. Connect attached grounding conductor to system ground. Maximum circuit conductor size shall not exceed No. 12 AWG.

897CFFTC/8814FFTC COVER INSTALLATION:

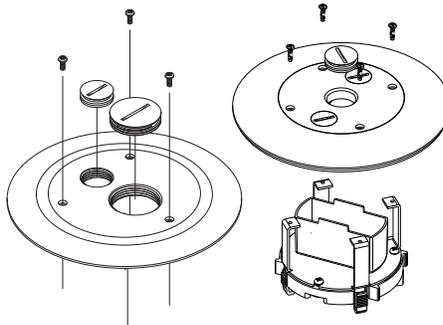
1. Cut a 6 1/2" [165mm] circular concentric opening in the floor covering.



4. Push the activation into the floor box until firmly seated against the floor.

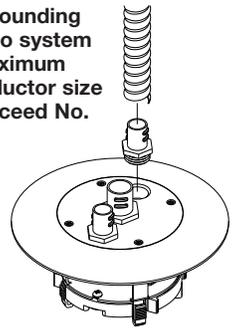


2. Remove necessary screw plugs from flange. Removing the flange from the adapter bracket may facilitate easier wiring.



3. Attach the necessary conduit fittings to the flange. Connect the flexible conduit and wires. All splices must be made in the box below the cover adapter.

CAUTION: Flange must be grounded. Connect attached grounding conductor to system ground. Maximum circuit conductor size shall not exceed No. 12 AWG.



Volume Capacities for Ratchet-Pro PVC Floor Box

<i>To calculate the total box volume, use displacement of the largest uncut section remaining.</i> BOX HEIGHT		Single Service 895 & 896 Activations		Dual Service 895DCC Activations		Dual Service 881TC, 881RC4ATC, 897CTC, 897CFFTC & 899CTC Activations		Single Service 881CM2TC Activations		Single Service 881AV3, 881AMD8, 8814FF & 897CFF Activations	
		WIRING VOLUME		WIRING VOLUME (with Divider)		WIRING VOLUME (with Divider)		WIRING VOLUME		WIRING VOLUME	
Inches	[mm]	Cu. Inches	[mm]	Cu. Inches	[mm]	Cu. Inches	[mm]	Cu. Inches	[mm]	Cu. Inches	[mm]
6	[152.0]	65.0	[1065.0]	15.0	[738.0]	27.9	[457.0]	47.9	[784.0]	20.0	[327.0]
5 1/2	[140.0]	58.0	[950.0]	39.3	[644.0]	22.2	[364.0]	40.9	[670.0]	18.7	[306.0]
5	[127.0]	51.0	[835.0]	33.6	[551.0]	16.5	[270.0]	33.9	[554.0]	17.4	[284.0]
4 1/2	[114.0]	44.0	[720.0]	27.9	[457.0]	10.8	[177.0]	26.9	[440.0]	16.1	[263.0]
4	[102.0]	37.0	[605.0]	22.2	[364.0]	CAUTION: Do not use in concrete pours less than 4 1/2" [114mm]	CAUTION: Do not use in concrete pours less than 4 1/2" [114mm]	14.8	[241.0]		
3 1/2	[89.0]	30.0	[490.0]	16.5	[270.0]			13.5	[220.0]		
3	[76.0]	23.0	[377.0]	10.8	[177.0]			12.2	[200.0]		



Wiremold

WIREMOLD

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

