

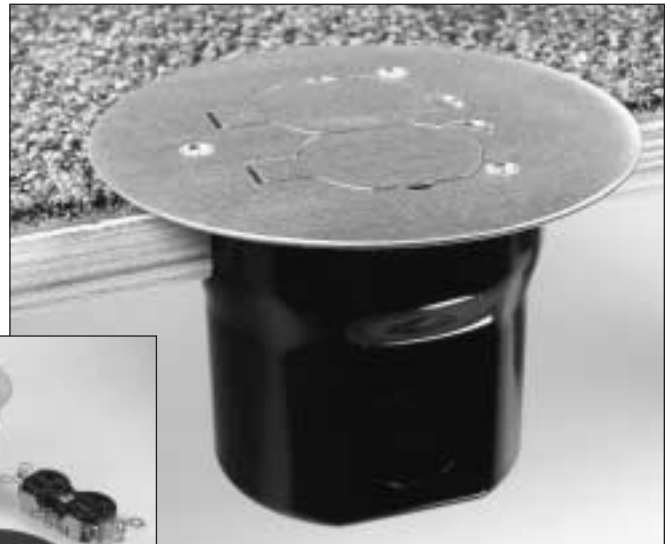
### 862 Series Residential Floor Boxes for Wood & Concrete Floors



Protection from  
water, dirt, and  
debris.

The new 862 Series Residential Floor Box provides an excellent solution for the low density power or communication requirements in open space areas. Durable PVC construction and an innovative design allows the 862 Series Residential Floor Box to be installed in either wood or slab-on-grade concrete floors.

The new 862 Series is available with a full range of forged, solid brass or brushed aluminum covers to accommodate a wide range of power and communication devices.



862C Residential Floor Box installed in a wood floor.

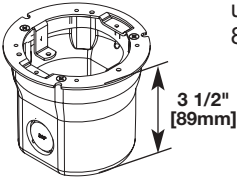
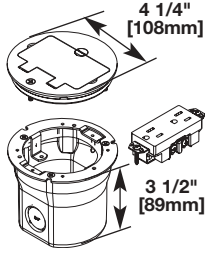
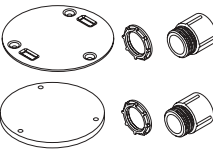
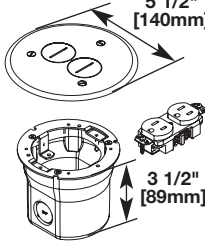
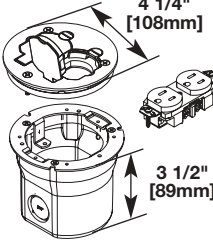
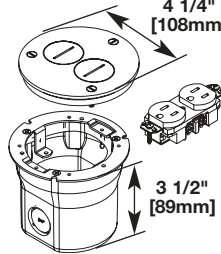
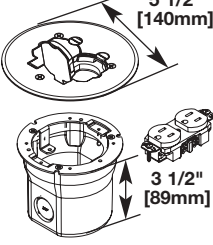
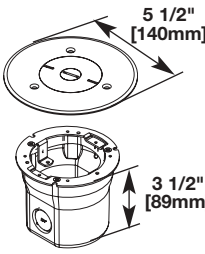
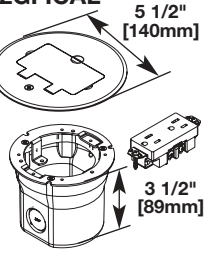
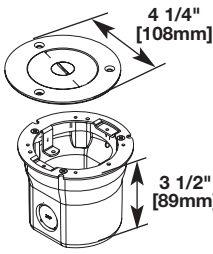


An 862 Series  
complete assembly kit.

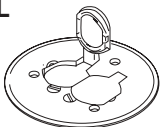
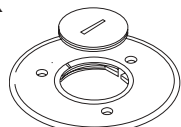
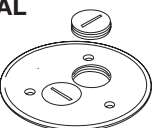
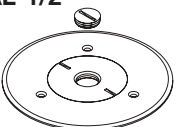
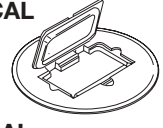
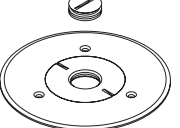
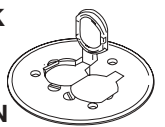
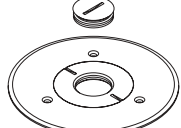

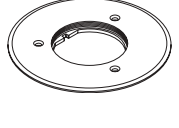
### Features & Benefits

- **Durable PVC construction.** Allows for use in both wood floors and slab-on-grade concrete floors. For concrete floor installations, use the available add-on conversion kit which provides mud cap and conduit hubs.
- **Complete assemblies.** A variety of assemblies are available for specific applications for fast and easy installations. Each assembly includes the box, receptacle, cover assembly, and hardware.
- **Wide selection of covers.** Forged solid brass or brushed aluminum covers accommodate a full range of power and communication devices and are available for both tile and carpet applications. Covers are included with assemblies or are available separately to provide installation and changeout flexibility.
- **TopGuard protection.** An integral design which keeps out water, dirt, and debris from the power or communication compartments. Meets and exceeds the new UL scrub water exclusion requirements.
- **Datacom connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use. A wide selection of data and bezel options are available for use with Ortronics® TracJack™ and Series II devices.
- **Boxes and covers have been listed by Underwriters Laboratories Inc. to their standards UL514A, 514C, and 514D, and to Canadian standard C22.2.**

## 862 Series Floor Box Assembly Kits Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
<b>862</b> 	<b>PVC Floor Box</b> – Box only, for wood or concrete floors. When using in concrete floor order 862KIT with 862 Floor Box	<b>862TGFI</b> <b>862TGFIAL</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box, one Decorator style 15A, 125V brown receptacle, and one 895TGFI brass or 895TGFIAL brushed aluminum cover for tile.  <b>NOTE:</b> Order 862KIT when using in concrete floor.
<b>862KIT</b> 	<b>Concrete Floor Kit</b> – When using any of the 862 Series Floor Boxes in a concrete floor, the 862KIT will provide a mud cap for the concrete pour, two 3/4" trade size conduit hubs, and a scrub water gasket.	<b>862SP</b> <b>862SPCAL</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box, one 15A, 125V brown duplex receptacle, and one 895SPCAL brushed aluminum cover for carpet. Covers provide two 1 1/2" [38mm] screw plug openings.  <b>NOTE:</b> Order 862KIT when using in concrete floor.
<b>862DB</b> <b>862TAL</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box, one 15A, 125V brown duplex receptacle, and one 895TAL brushed aluminum duplex receptacle cover for tile.  <b>NOTE:</b> Order 862KIT when using in concrete floor.	<b>862TSP</b> <b>862TSPAL</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box, one 15A, 125V brown duplex receptacle, and one 895TSP brass or 895TSPAL brushed aluminum cover for tile. Covers provide two 1 1/2" [38mm] screw plug openings.  <b>NOTE:</b> Order 862KIT when using in concrete floor.
<b>862C</b> <b>862TCAL</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box, one 15A, 125V brown duplex receptacle, and one 895TCAL brushed aluminum duplex receptacle cover for carpet.  <b>NOTE:</b> Order 862KIT when using in concrete floor.	<b>862CK-1/2</b> <b>862CKAL-1/2</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box and one 896CK-1/2 brass or 896CKAL-1/2 brushed aluminum cover for carpet. Covers provide one 2 5/8" [67mm] and one 1/2" [12.7mm] concentric screw plug openings.  <b>NOTE:</b> Order 862KIT when using in concrete floor.
<b>862GFI</b> <b>862GFICAL</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box, one Decorator style 15A, 125V brown receptacle, and one 895GFI brass or 895GFICAL brushed aluminum cover for carpet.  <b>NOTE:</b> Order 862KIT when using in concrete floor.	<b>862TCK-1/2</b> <b>862TCKAL-1/2</b> 	<b>PVC Floor Box Assembly for Wood or Concrete Floors</b> – Includes 862 Series Floor Box and one 896TCK-1/2 brass or 896TCKAL-1/2 brushed aluminum cover for tile. Covers provide one 2 5/8" [67mm] and one 1/2" [12.7mm] concentric screw plug openings.  <b>NOTE:</b> Order 862KIT when using in concrete floor.

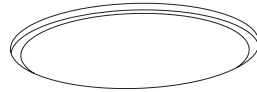
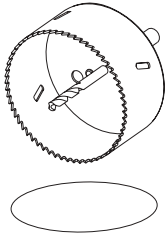
## Cover Plates for 862 Series Floor Boxes

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

**NOTE:** All cover plates are furnished with gasket and three screws.

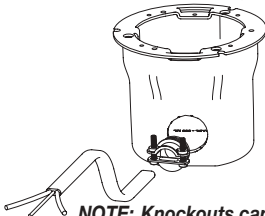
## Box Installation – Wood Floors

1. Determine the floor box location. (Make sure the placement does not interfere with obstructions below such as floor joists, HVAC duct, light fixtures, etc.) For a flush installation in hardwood or tile floors when using the tile version covers – cut a 4 1/2" [114mm] diameter. (See Table 1 – Depth of Cut "A") deep step in the finished floor covering. **DO NOT CUT THROUGH THE FLOOR.** (See Alternate method of cutting Step #4)
2. Using the pilot hole from step 1 drill a 3 3/4" [92mm] hole through the floor. Carefully remove the material on the depth of cut ledge by chipping it away with a chisel or flat screwdriver blade.
4. Alternate method of cutting 3/8" [10 mm] step in wood floor. Drill a hole through the wood flooring using a 3 3/4" [92mm] hole saw. Determine the depth of cut needed for your application using Table 1 or Table 2. Set the router to the correct depth of cut and use a rabbeting bit with a 3/8" [10 mm] rabbet to route the step into the wood floor.



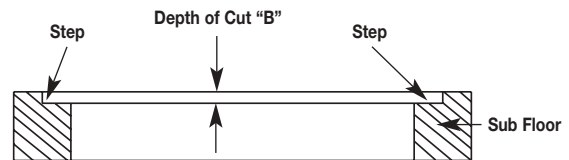
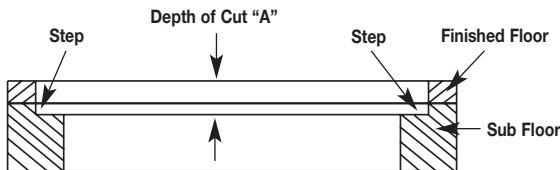
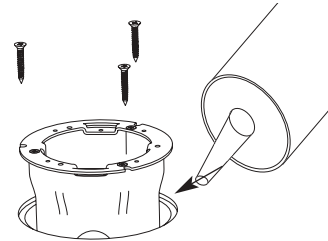
3. When mounting on carpet, cut a 4 1/2" [114mm] diameter. (See Table 2 – Depth of Cut "B") deep step in the sub-floor to leave a 1/8" [3.2 mm] gap to sandwich the carpet between the cover and the floor. If your carpet is thicker or thinner than 1/8" [3.2 mm], adjust the numbers in Table 2 accordingly. Remove the material on the depth of cut step by chipping it away with a chisel or flat screwdriver blade.

6. Remove the appropriate 3/4" trade size knockout and attach a cable connector to the box. Attach the wiring system to the box.



**NOTE:** Knockouts can be scored with a razor knife for easier removal. If pass through wiring is desired, use one of the side knockouts and the bottom knockout unless you have access to make connections to the box from under the floor.

7. Orient the box to the desired rotation and push it into the hole. Adjust the box to make sure the receptacle will be parallel or perpendicular to any adjacent walls. Use three #6 x 3/4" wood screws provided to attach the box to the floor. Caulking or grouting around the metal ring on the box once mounted in the floor is required to maintain scrubwater compliance.



**TABLE 1 – DEPTH OF CUT "A"**

DEPTH OF CUT IN FINISHED FLOOR FOR FLUSH MOUNTING IN TILE COVER			
COVER	Inches	[mm]	Fraction
895T	0.375	[9.5mm]	3/8
895TGFI	0.375	[9.5mm]	3/8
895TSP	0.312	[7.9mm]	5/16
896TCK-1/2	0.187	[4.7mm]	3/16
895TCAL	0.375	[9.5mm]	3/8
895TGFIAL	0.375	[9.5mm]	3/8
895TSPAL	0.312	[7.9mm]	5/16
896TCKAL-1/2	0.187	[4.7mm]	3/16

**TABLE 2 – DEPTH OF CUT "B"**

DEPTH OF CUT IN SUB-FLOOR FOR CARPET MOUNTING (1/8" Gap for Carpet)			
COVER	Inches	[mm]	Fraction
895	0.156	[3.9mm]	5/32
895GFI	0.156	[3.9mm]	5/32
895SP	0.0625	[1.5mm]	1/16
896CK-1/2	No Cut Needed		0
895TAL	0.156	[3.9mm]	5/32
895GFICAL	0.156	[3.9mm]	5/32
895SPCAL	0.0625	[1.5mm]	1/16
896CKAL-1/2	No Cut Needed		0

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