

## 68-HP-FFMK FURNITURE FEED MOUNTING KIT Installation Instructions

**IMPORTANT:** Read all instructions before installing floor box, carpet plate or mounting kit.



### WARNING



**RISK OF SHOCK, DISCONNECT  
POWER BEFORE INSTALLATION.**



### CAUTION



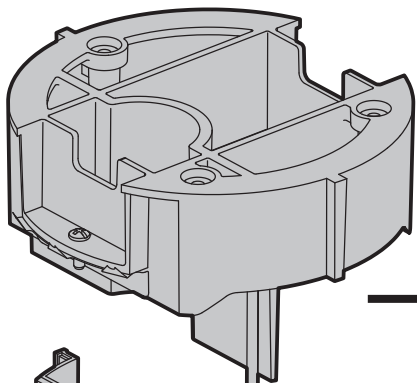
Floor Box should be installed by a qualified electrician in accordance with national and local electrical codes.

### 68HP Furniture Feed Instructions

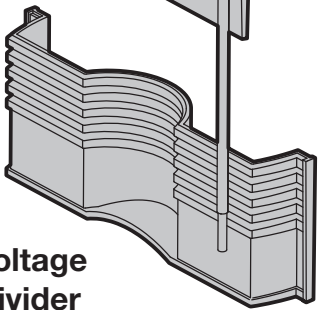
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#### FFMK Ring



#### Voltage Divider



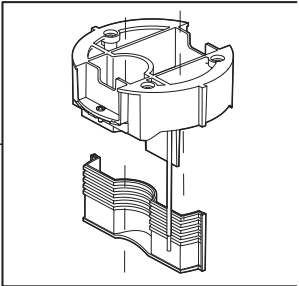
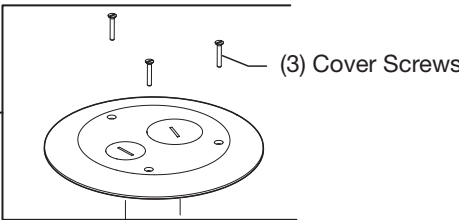
#### SOLD SEPARATELY

68-HP-FFC-ALM  
Aluminum Cover

68-HP-FFC-BRS  
Brass Cover

68-HP-FFC-BLK  
Black Cover

68-HP-FFMK  
Furniture Feed  
Mounting Kit



#### SOLD SEPARATELY

68-HP  
Series Floor Box

NOTE: 68-HP-FFMK can be  
installed in either the  
68-HP or 68-HP-CI  
Floor Box.

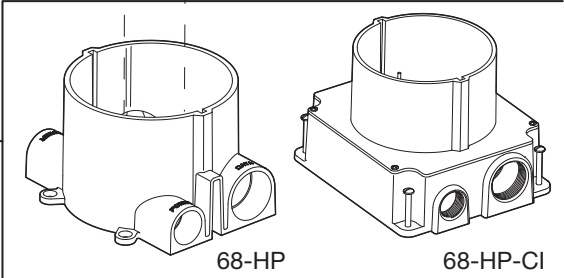


FIGURE 1

## 1.0 Activation and Floor Preparation

(68-HP Floor Box shown in instructions)

- 1.1 Floor box must already be set in concrete according to instructions furnished with floor box.
- 1.2 Remove temporary cover from 68-HP or 68-HP-CI floor box. Use a saw to cut top of box flush to concrete floor surface (see Figure 2).



### CAUTION

Box must be cut square and parallel with concrete floor surface (see Figure 2).

- 1.3 Install floor covering and trim hole around floor box opening to 7" diameter (see Figure 3).
- 1.4 Measure depth of floor box from finished floor to bottom of the box. Use a saw to cut the voltage divider so that when it is inserted in the floor box, the top of the divider is  $2\text{--}1/2" \pm 1/8"$  below the finished floor surface (see Figures 4 and 5).
- 1.5 Place the voltage divider in box. The ribbed side of the divider must face the power side. The letters "HP" will be visible in bottom of the box when divider is in correct orientation (see Figures 4 and 6).

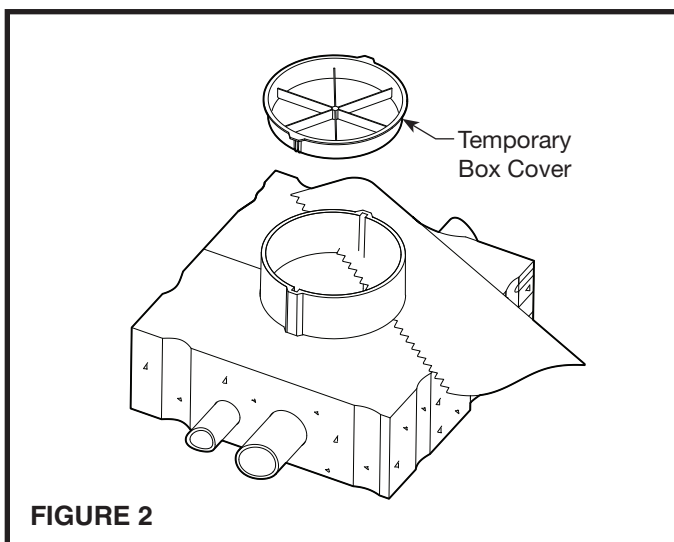


FIGURE 2

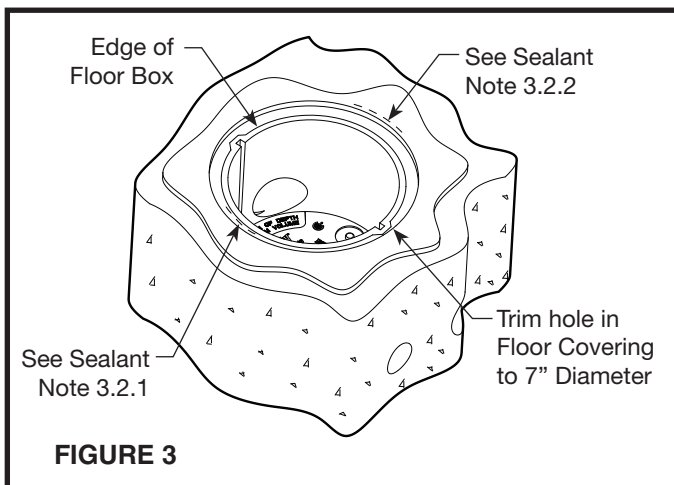


FIGURE 3

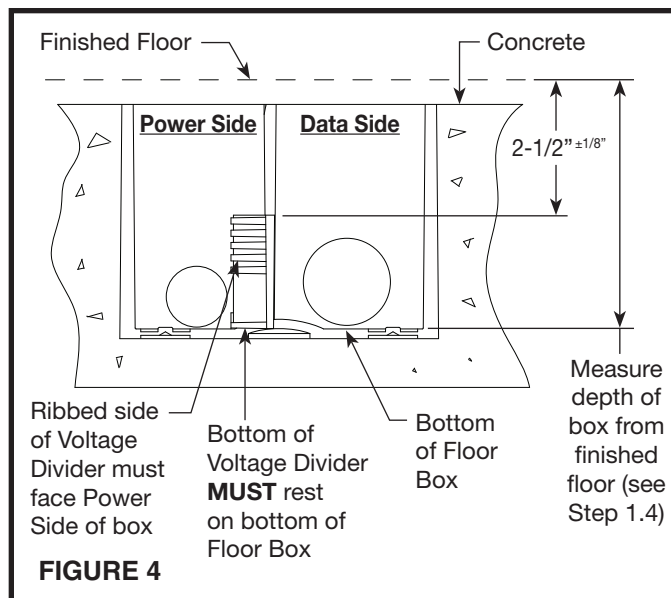


FIGURE 4

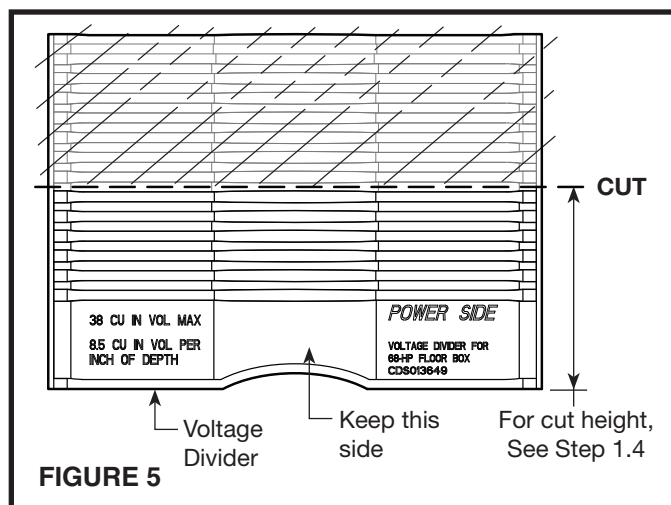


FIGURE 5

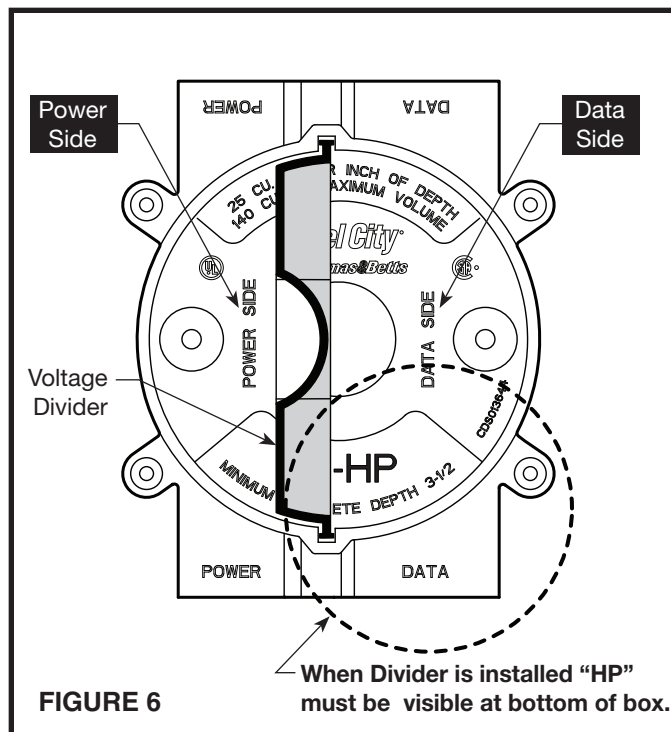


FIGURE 6

## 2.0 Power and Data Feed

- 2.1 Verify voltage divider is in floor box (see Step 1.5).
- 2.2 Secure 68-HP-FFC-XXX cover to FFMK ring using (3) screws furnished with cover. See instructions furnished with cover (see figure 7).
- 2.3 Do not lower FFMK ring and cover into floor Box until power conductors and data cable are fed through (see Steps 2.4, 2.5, and 2.6)
- 2.4 Floor Box and Cover must be grounded according to local and national electric codes. Connect FFMK ring ground wire to circuit ground wire. When cast iron box (68-HP-CI) is used, connect circuit ground wire to box ground. Note: 68-HP-CI ground wire shown in instruction sheet furnished with box (see Figure 8).
- 2.5 Remove cover plugs and pull power (electrical) conductors and grounding wires up through power side of floor box and through power side of FFMK ring. Continue pulling conductors through 1" threaded conduit hole in cover (see Figure 8).
- 2.6 Pull data cables up through data side of floor box and through data side of FFMK ring. Continue pulling data cables through 1-1/2" threaded conduit hole in cover (see Figure 8).

## 3.0 Install Cover to Floor Box

- 3.1 Verify voltage divider is in floor box. (see Step 1.5).
- 3.2 **Applying sealant to floor:**
  - 3.2.1 Concrete and carpet: Apply moderate amount of sealant or caulk directly to concrete floor fully around box opening. (about 1/8" from outside edge of box). Use enough sealant to block water entry (see Figure 3).
  - 3.2.2 Tile, Wood and Linoleum: Apply moderate amount of sealant directly on finished floor. Fully surround 7" diameter opening in floor. Use enough sealant to block water entry (see Figure 3).
- 3.3 Carefully align guide ribs on FFMK ring with divider and grooves in floor box. The 1" threaded power conduit hole must be located over power compartment in box. Lower FFMK ring and cover assembly into box opening. Apply pressure to top of cover to complete installation (see Figure. 8 and 9). Clean excess sealant from around cover edge.
- 3.4 Attach suitable conduit fittings. All unused ports in cover are to be plugged with plugs furnished with cover. Use thread sealer on all plugs and fittings to block water entry (See Figure 9 and 10).
- 3.5 Figure 9 shows conduit fittings attached to cover. Figure 10 shows plugs installed in cover.

## 4.0 Removal of Cover & FFMK Ring (Only when necessary).

- 4.1 Remove the cover 68-HP-FFC-XXX. Remove the (2) screws holding the retainer clips (see figure 7). The FFMK ring can be lifted out of box when the retainer clips are dis-engaged from the ring.

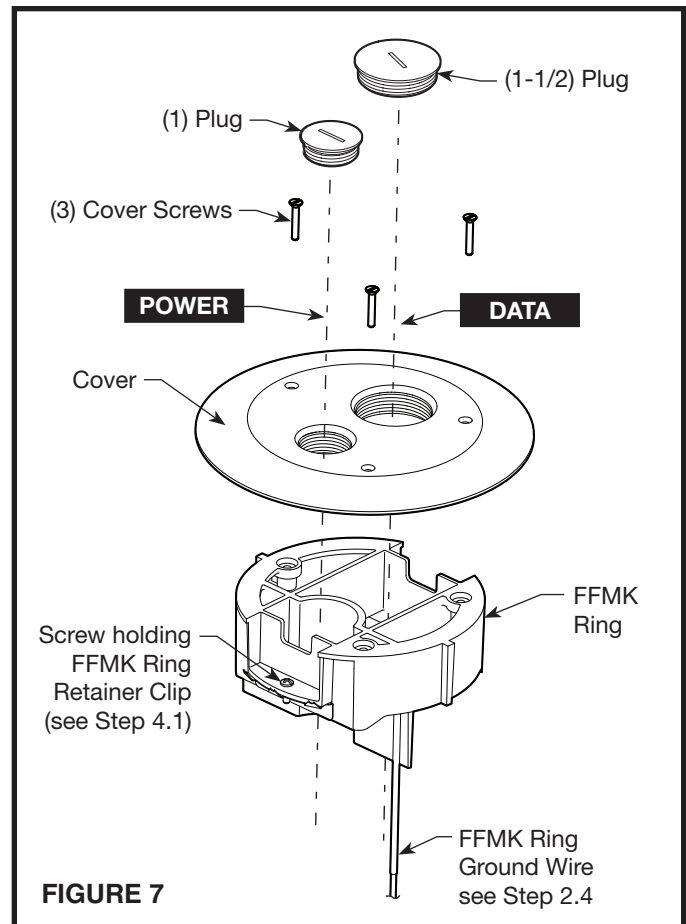


FIGURE 7

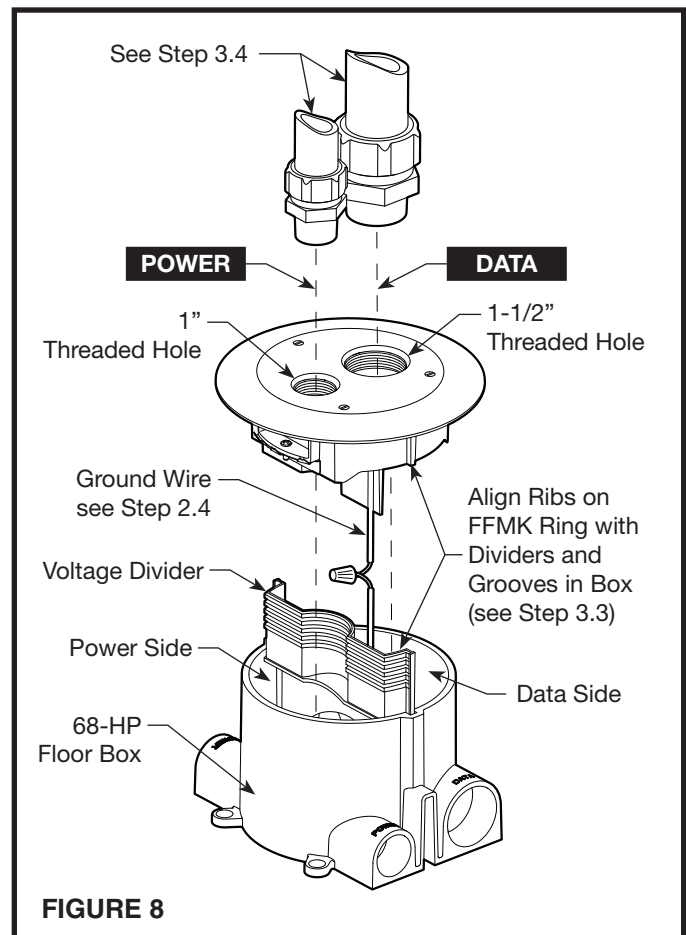


FIGURE 8

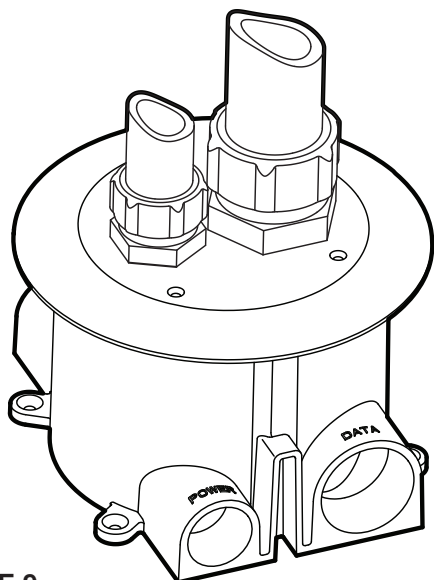


FIGURE 9

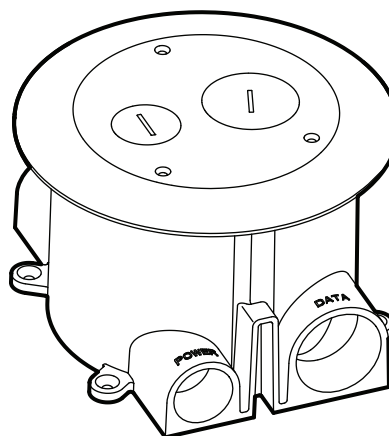


FIGURE 10

**WARRANTY:** Thomas & Betts sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the user's intended application. Thomas & Betts warrants that this product will be free from defects in materials and workmanship for a period of ninety (90) days following the date of purchase. Upon prompt notification of any warranted defect, Thomas & Betts will, at its option, repair or replace the defective product or refund the purchase price. Proof of purchase is required. Misuse or unauthorized modification of the product voids all warranties.

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