

## Installation Instructions for FPT3 Series Moptite® Poke-Through

**WARNING**  
ELECTRICAL HAZARD!  
BE SURE POWER IS OFF!

**IMPORTANT:** PLEASE READ ALL  
INSTRUCTIONS BEFORE BEGINNING.  
WARRANTY AND FIRE RESISTANCE RATING  
ARE VOID IF PRODUCT INSTALLATION IS NOT  
IN COMPLIANCE WITH THESE INSTRUCTIONS.

Cover Shipped  
Unattached to  
Base Unit

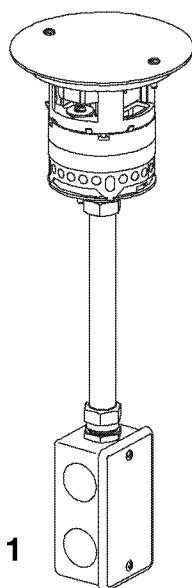
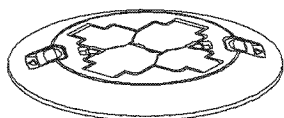


Figure 1

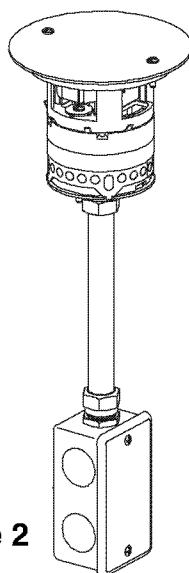


Figure 2

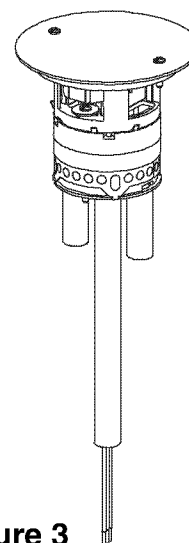


Figure 3

	CATALOG NUMBER	NEMA CONFIG.	POWER AND COMMUNICATION	FURNISHED	APPROVED FOR THE CITY OF CHICAGO
Figure 1	FPT3-2P-2C-BRS FPT3-2P-2C-ALM FPT3-2P-2C-BLK	NEMA 5-20R 20A-125V	2 Power Receptacles 2 Communication Jacks	Poke-Through Complete with Cover	NO
Figure 2	FPT3-2P-2C			Poke-Through Base Unit	NO
Figure 3	FPT3-2P-2C-C			-COVER MUST BE ORDERED SEPARATELY-	YES

## IMPORTANT NOTES:

1. See product category "Outlet boxes and fittings" classified for fire resistance in the current "Underwriters Laboratories, Inc." "Fire resistance Directory" for the fire resistance classification of Thomas & Betts Poke Through System. Suitable for use in air handling spaces in accordance with Sec. 300-22 (C) of the National Electrical Code.
2. **POKE-THROUGH FLOOR FITTING (Base Unit) IS ONLY TO BE USED WITH A THOMAS & BETTS COVER LISTED FOR USE WITH THIS UNIT.**  
The system is designed to maintain the hourly rating of concrete floors having a fire rating of 1, 1-1/2 and 2 hours, only when installed in accordance with these instructions.
3. **TO MAINTAIN FIRE RESISTANCE CLASSIFICATION RATING** a complete Thomas & Betts service fitting, including the service fitting base unit and service fitting cover must be installed.
4. **CONCRETE THICKNESS Min/Max:**  
**1-HOUR RATED FLOOR: 2-1/4"** minimum over top of deck (or 3" thick reinforced concrete slab) to a maximum of 7-1/2".  
**2-HOUR RATED FLOOR: 3-1/4"** minimum over top of deck (or 4" thick reinforced concrete slab) to maximum of 7-1/2".
5. **SPACING:**  
Minimum of 2 feet on center and not more than one device per 65 square feet of floor area in each span.
6. **INSTALLATION:**  
Mount in a 3" diameter core-drilled hole in accordance with these instructions. Suitable for use on carpet, wood or tile floors up to 3/4" thick above concrete. Poke-through may be installed directly on concrete if no finished floor is planned.
7. **MAXIMUM ALLOWABLE COPPER CROSS-SECTION AREA FOR COMMUNICATIONS CABLE:**

POKE-THROUGH SERIES	SIDE THROUGH HOLE #1	CENTER HOLE	SIDE THROUGH HOLE #2
FPT3-2P-2C	Comm. .00321 Sq. In.	Power	Comm. .00321 Sq. In.

**NOTE:** All power conductors are type THHN.

COPPER CROSS SECTIONAL AREA OF COMMONLY USED CONDUCTORS	
SIZE	SOLD
#24	.00032 Sq. In.
#23	.00040 Sq. In.
#22	.00050 Sq. In.
#14	.00323 Sq. In.
#12	.00512 Sq. In.
#10	.00815 Sq. In.
#8	.01296 Sq. In.

**NOTE:** Use above values for solid or stranded conductors

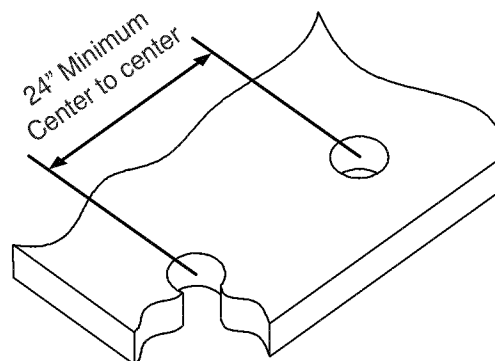
## INSTALLATION STEPS:

### Step 1 - Layout and Location Position of Hole:



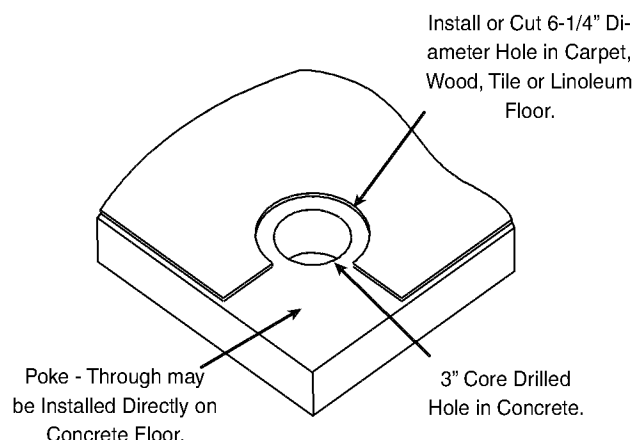
**CAUTION:** See spacing note 5 under "Important Notes Section".

**NOTE:** Be certain to drill hole at least 4-1/4" from any wall or pillar to leave enough room for poke-through and cover installation.



### Step 2 - Drill Hole in Floor:

- 2.1 **Install or cut 6-1/4" Diameter Section from Carpet, Wood, Tile or Linoleum Floor.**  
Use template provided with these instructions. (Poke-Through may be installed directly on concrete floor if no finished floor is planned).
- 2.2 **Core Drill a 3" Diameter Hole.** Actual hole size may be 3-1/16" diameter due to drill bit and job site construction tolerances.

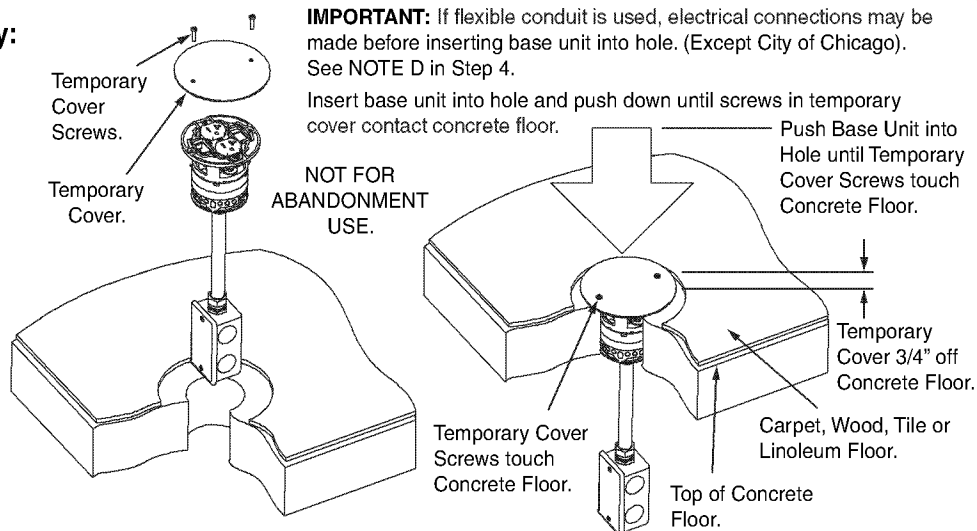


### Step 3 - Base Unit Assembly:



#### CAUTION:

Poke-Through cannot be rotated after inserting into hole. Verify duplex and communication ports are in desired location before inserting unit into hole. Remove temporary cover to see device layout. Replace temporary cover before pushing into hole.



### Step 4 - Electrical Connections:

Loosen two screws and remove cover from junction box. Attach conduit and provide wiring connections required by national and local electrical codes.

#### NOTE A:

Factory supplied Junction Box shown.  
13.0 Cubic Inch capacity

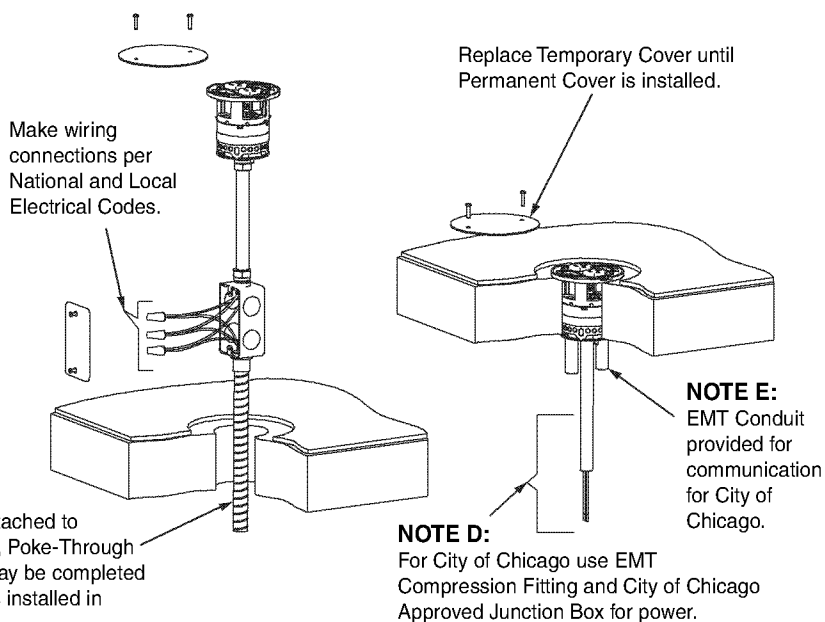
#### NOTE B:

City of Chicago approved Poke-Through units must use EMT Compression Fitting (not furnished) and a City of Chicago Approved Junction Box (not furnished).

Electrical connections must be made after Poke-Through is pushed firmly into hole.

#### NOTE C:

If Flexible Conduit is attached to bottom of Junction Box, Poke-Through electrical connection may be completed before Poke-Through is installed in hole.



### Step 5 - Communication Connections:

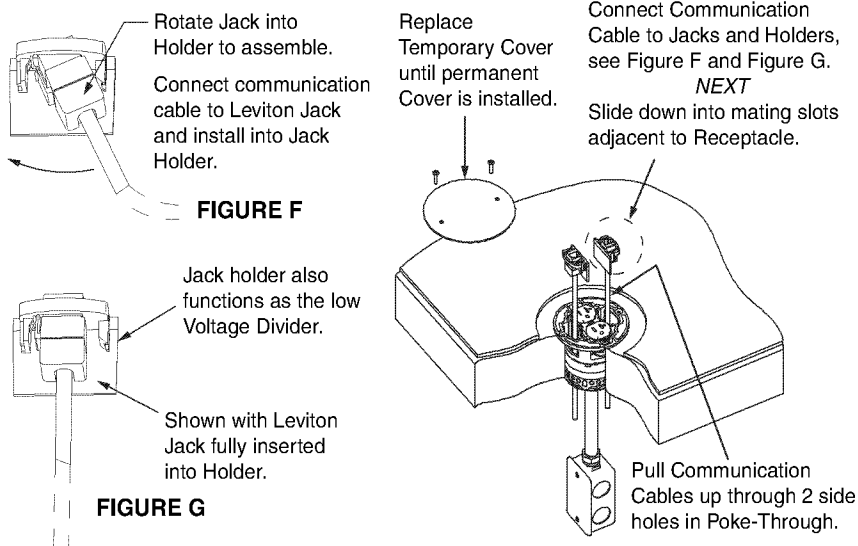
Each Poke-Through is furnished with two Cat 5E Leviton Connectors (JACKS) #5G110-RE5 black color.

Temporary cover must be removed to access area to install the Leviton\* Data Jacks.

Pull category 5E cable up through two holes in sides of Poke-Through.

Use EMT Conduit and EMT Compression Fittings when installing in the City of Chicago (see NOTE E in Step 4).

Leviton is a trademark of Leviton Manufacturing Co., Inc.

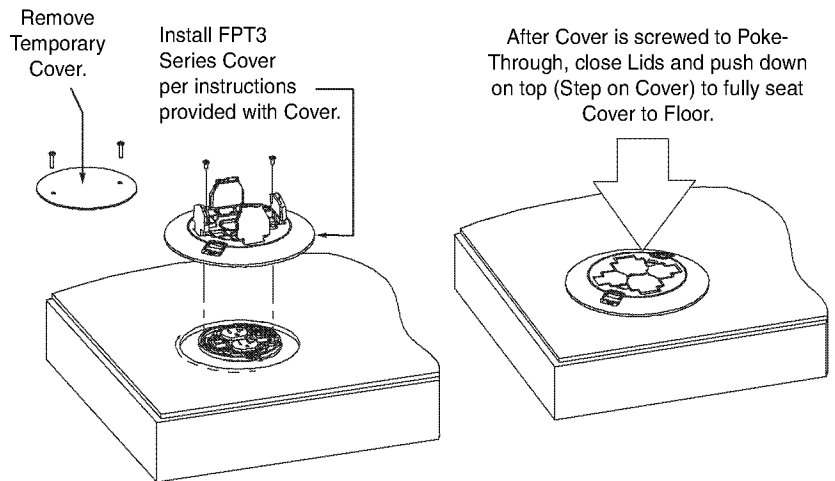


## Step 6 - Cover Assembly:

Verify that finished floor is installed to match the 6-1/4" diameter opening as shown on template provided with this instruction sheet (see Step 2).

**INSTALL FPT3 SERIES COVER USING INSTRUCTIONS PROVIDED WITH COVER.**

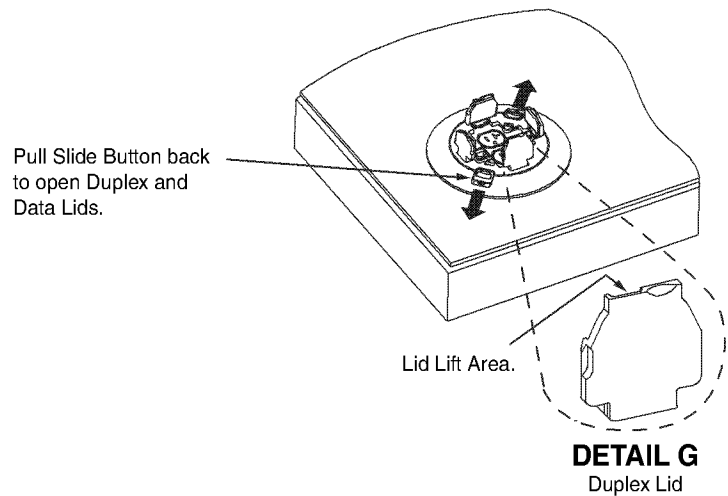
Push cover down fully to seat cover to floor.



## Step 7 - Installation is Complete:

### COVER OPERATION:

1. Use the two slide release buttons to open the duplex and data lids.
2. Small lid lift area is provided in duplex lid to open lid (see Detail G)



**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 two (2) years 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.

**Limitations and Exclusions:** THE ABOVE WARRANTY IS THE SOLE WARRANTY CONCERNING THIS PRODUCT, AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED. LIABILITY FOR BREACH OF THE ABOVE WARRANTY IS LIMITED TO COST OF REPAIR OR REPLACEMENT OF THE PRODUCT, AND UNDER NO CIRCUMSTANCES WILL THOMAS & BETTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

# TEMPLATE FOR FLOOR CUT OUT

