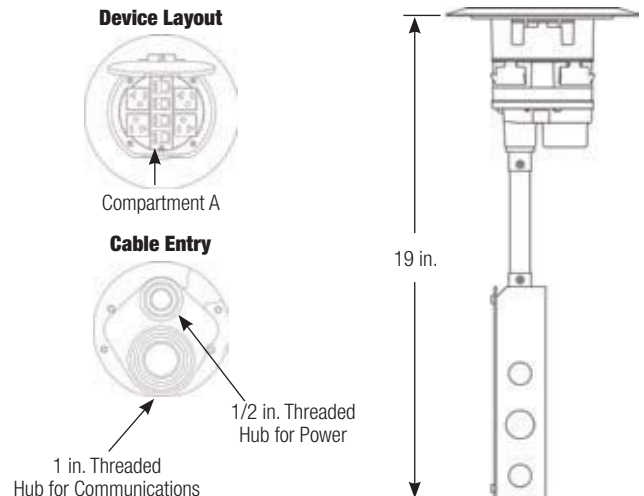# Flush Power and Communications

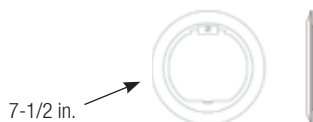## FPT4 Series – Poke-Through: 4 Power and Communications

- Four 20A Receptacles, two circuits, six 12 AWG wires, prewired, pigtail ends in junction box (can be wired as isolated, labels provided)
- Keystone Communications Device Plate with four Keystone Category 5e Data Jacks – see page C63 for optional Communications Device Plates for Compartment A
- Integral 1 in. threaded conduit hub for communication wiring (cast iron)

Device Layout

Compartment A

Cable Entry

1/2 in. Threaded Hub for Power

1 in. Threaded Hub for Communications

19 in.

Cat. No.	Description	Std. Ctn.
FPT4-4P-4C-TBRS	Brass Cover	1
FPT4-4P-4C-TALM	Aluminum Cover	
FPT4-4P-4C-TBLK	Black Cover	
FPT4-4P-4C	Poke-Through Base (cover purchased separately)	

FPT4 Series – Poke-Through: Covers

7-1/2 in.

Brushed-Metal Finishes

Brass

Aluminum

Powder-Coat Finishes

Black

Beige

Brown

Cat. No.	Description	Std. Ctn.
FPT4-CVR-TBRS	Brushed Brass	4
FPT4-CVR-TALM	Brushed Aluminum	
FPT4-CVR-TBLK	Aluminum with Black Powder Coat Finish	
FPT4-CVR-TBGE	Aluminum with Beige Powder Coat Finish	
FPT4-CVR-TBRN	Aluminum with Brown Powder Coat Finish	

Forged solid brass and aluminum covers.
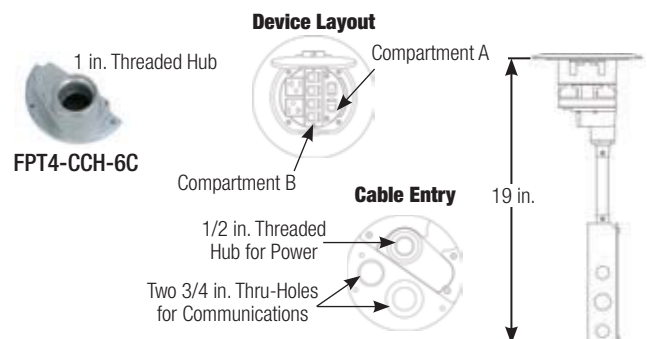Patented latching lid closes easily without the need for locking screws

FPT4 Series – Poke-Through: 2 Power and 6 Communications

- Four 20A Receptacles, two circuits, six 12 AWG wires, prewired, pigtail ends in junction box (can be wired as isolated, labels provided)
- Includes Keystone Communications Device Plate with six Keystone Category 5e Data Jacks – see page C63 for optional Communications Device Plates for Compartment A and Compartment B
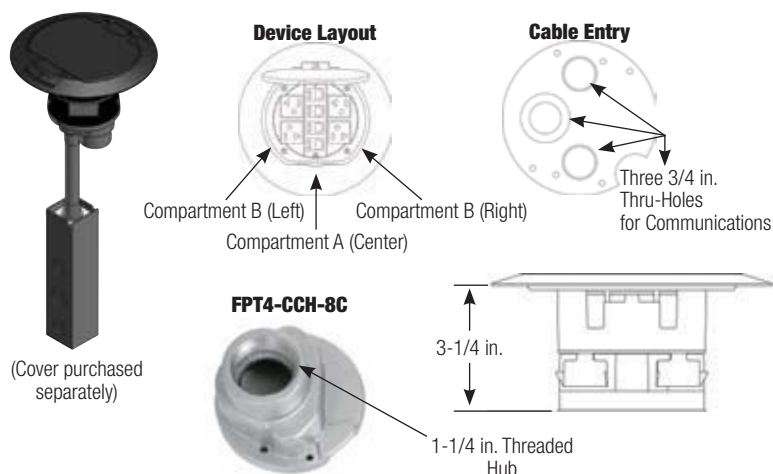
1 in. Threaded Hub

FPT4-CCH-6C

Device Layout

Compartment A

Compartment B

Cable Entry

1/2 in. Threaded Hub for Power

Two 3/4 in. Thru-Holes for Communications

19 in.

Cat. No.	Description	Std. Ctn.
FPT4-2P-6C	Poke-Through Base Unit Only (cover purchased separately)	1
FPT4-CCH-6C	Optional 1 in. Threaded Conduit Hub for communications Wiring (cast iron)	

Flush Power and Communications

FPT4 Series – Poke-Through: 8 Communications

Device Layout

Compartment B (Left)   Compartment B (Right)
Compartment A (Center)

Cable Entry

Three 3/4 in.
Thru-Holes
for Communications

(Cover purchased
separately)
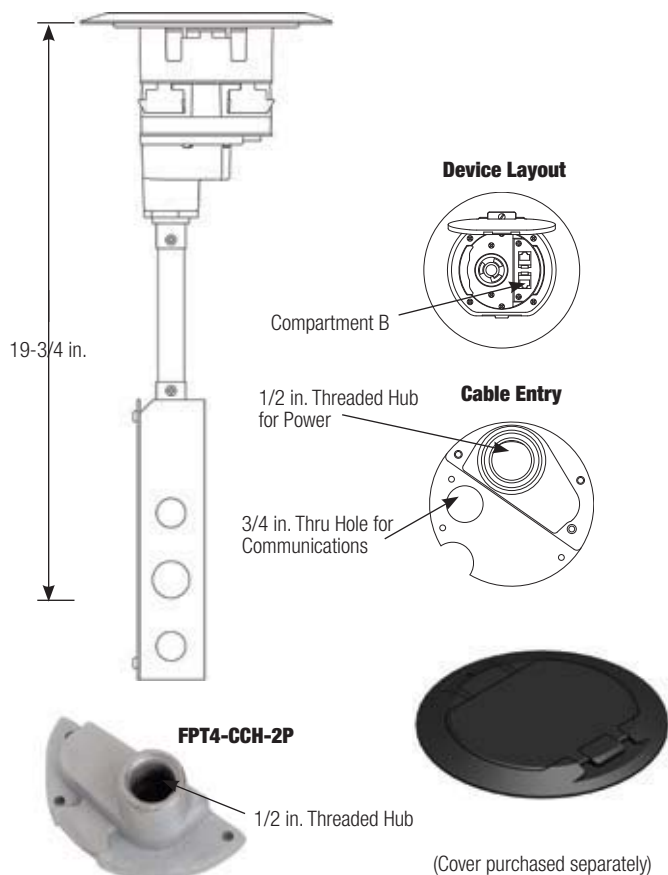
FPT4-CCH-8C

3-1/4 in.

1-1/4 in. Threaded
Hub

- Keystone Communications Device Plates with eight Keystone Category 5e Data Jacks – see page C63 for optional Communications Device Plates for Compartment A and Compartment B

- No Junction Box

Cat. No.	Description	Std. Ctn.
FPT4-8C	Poke-Through Base (cover purchased separately)	1
FPT4-CCH-8C	Optional 1-1/4 in. Threaded Conduit Hub for communications Wiring (cast iron)	4

FPT4 Series – Poke-Through: 1 Locking Receptacle and 2 Communications

19-3/4 in.

Device Layout

Compartment B

1/2 in. Threaded Hub
for Power

3/4 in. Thru Hole for
Communications

Cable Entry

FPT4-CCH-2P

1/2 in. Threaded Hub

(Cover purchased separately)

- 20A Receptacle: pre-wired, three 12 AWG wires, pigtail ends in junction box

- 30A Receptacle: pre-wired, three 10 AWG wires, pigtail ends in junction box

- Cover purchased separately

- Includes Keystone Communications Device Plates with two Keystone Category 5e Data Jacks – see page C63 for optional Communications Device Plates for Compartment B

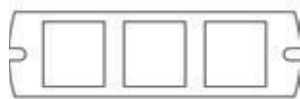| Cat. No.	Description	Std. Ctn.
FPT4-1TL21-2C	Poke-Through Base, NEMA L5-20R, 20A/125V Locking Receptacle, 2 Communications Receptacles	
FPT4-1TL22-2C	Poke-Through Base, NEMA L6-20R, 20A/250V Locking Receptacle, 2 Communications Receptacles	
FPT4-1TL31-2C	Poke-Through Base, NEMA L5-30R, 30A/125V Locking Receptacle, 2 Communications Receptacles	1
FPT4-1TL32-2C	Poke-Through Base, NEMA L6-30R, 30A/250V Locking Receptacle, 2 Communications Receptacles	
FPT4-CCH-2P	Optional 1/2 in. Threaded Conduit Hub for communications Wiring (cast iron)	4

Flush Power and Communications

FPT4 Series – Optional Communications Device Plates
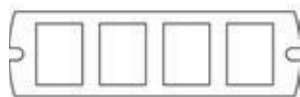
Compartment A Plates
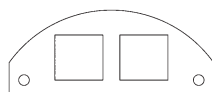
FPT4-CPA-4SYS

FPT4-CPA-3PAN**
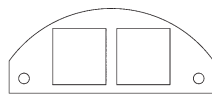
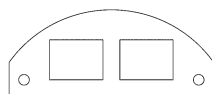FPT4-CPA-4KEY

FPT4-CPA-1MAAP

FPT4-CPA-4ORT

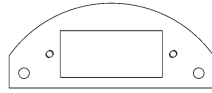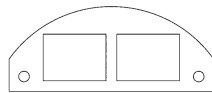FPT4-CPA-BLANK
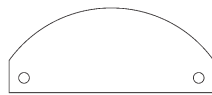
Compartment B Plates

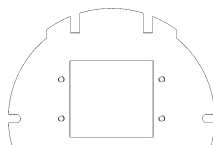FPT4-CPB-2SYS
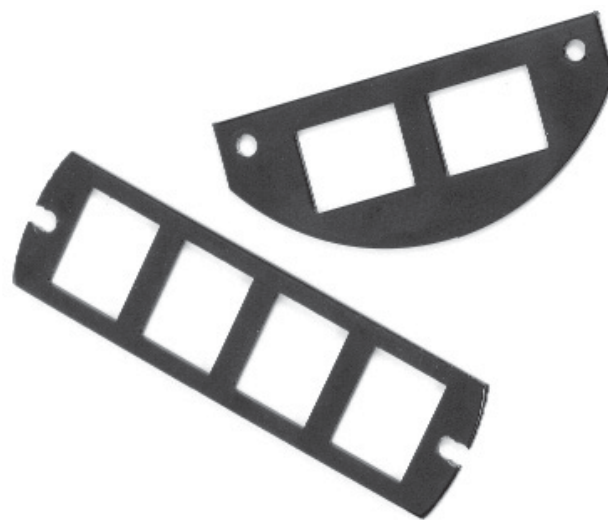
FPT4-CPB-2PAN**

FPT4-CPB-2KEY

FPT4-CPB-1MAAP

FPT4-CPB-2ORT

FPT4-CPB-BLANK

Compartment A-B Plate***

FPT4-CPAB-2MAAP

Cat. No.	Description	Std. Ctn.
FPT4-CPA-4KEY	For 4 Keystone Jacks – Compartment A*	
FPT4-CPA-4SYS	For 4 Systemax® Jacks – Compartment A	
FPT4-CPA-3PAN**	For 3 PANDUIT Jacks – Compartment A**	
FPT4-CPA-1MAAP	For Extron® MAAP Plate, Single Space – Compartment A	
FPT4-CPA-4ORT	For 4 Ortronics® Jacks – Compartment A	
FPT4-CPA-BLANK	Blank – Compartment A	
FPT4-CPB-2KEY	For 2 Keystone Jacks – Compartment B*	4
FPT4-CPB-2SYS	For 2 Systemax® Jacks – Compartment B	
FPT4-CPB-2PAN**	For 2 PANDUIT Jacks – Compartment B**	
FPT4-CPB-1MAAP	For Extron® MAAP Plate, Single Space – Compartment B	
FPT4-CPB-2ORT	For 2 Ortronics® Jacks – Compartment B	
FPT4-CPB-BLANK	Blank – Compartment B	
FPT4-CPAB-2MAAP	For Extron® MAAP Plate, Double Space – Compartment A-B	

CSA not applicable
Device Plate Only – no jacks included
* Keystone plates also accept Leviton® and Hubbell® devices
** Requires CMNZABL-X adapter from PANDUIT® to mount PANDUIT® MiniCom jacks
*** For use with FPT4-2P-6C and FPT4-8C Series only; replaces one Compartment A plate and one Compartment B plate
Listed trademarks are owned by their respective companies.

FPT4 Series – Replacement Power Insert – 2 Receptacles

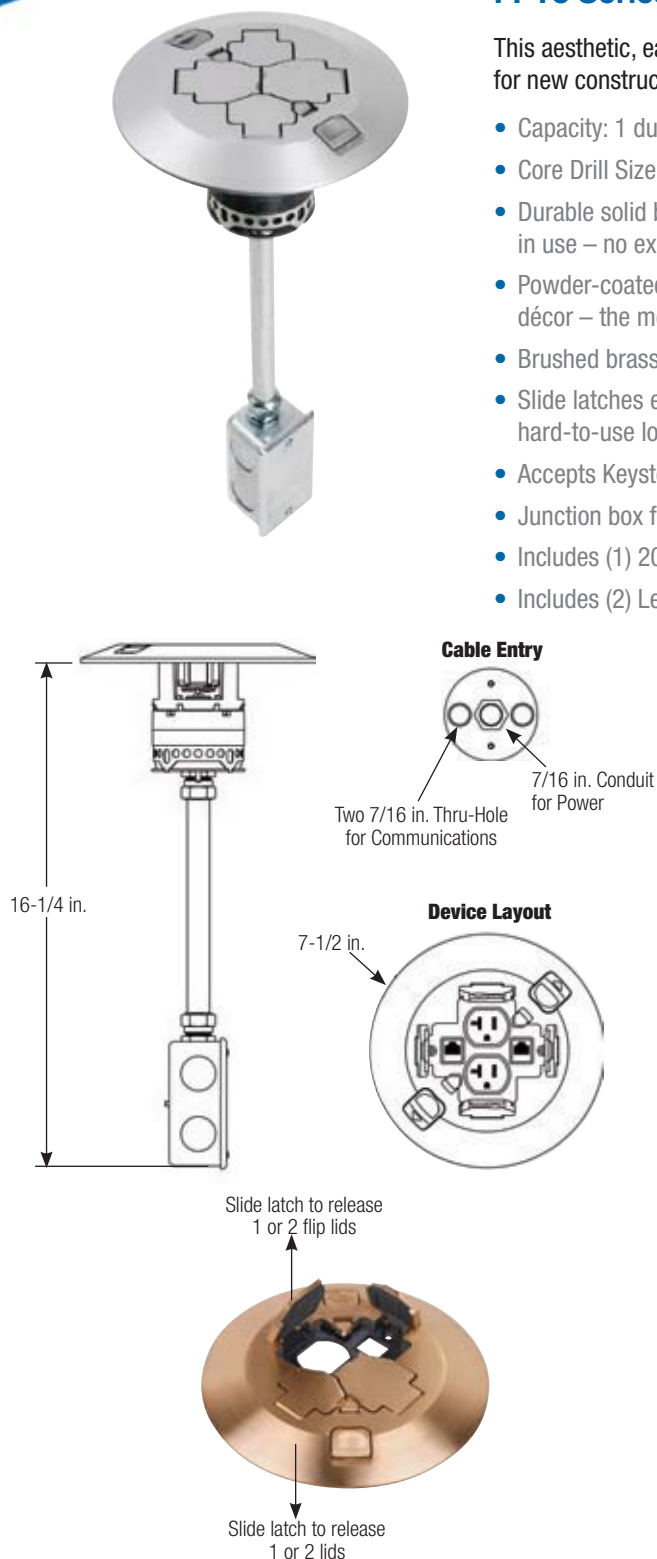• For use with FPT4-4P-4C and FPT4-2P-6C Series Poke-Through Systems

Cat. No.	Description	Std. Ctn.
FPT4-2P-RPL	Replacement Power Insert with 18 in. Wire Whip – Two 20A Receptacles	4

Flush Power and Communications

FPT3 Series – Poke-Through: 2 Power and 2 Communications

This aesthetic, easy-to-use Poke-Through provides an ideal power and data solution – great for new construction for upgrading existing 3 in. core installations.

- Capacity: 1 duplex receptacle and 2 data jacks (included)
- Core Drill Size 3 in.
- Durable solid brass or aluminum covers protect devices from damage and debris when not in use – no exposed plastic components
- Powder-coated aluminum covers are available in black, grey, brown and beige to match any décor – the most colours in the industry
- Brushed brass and aluminum finishes provide superior aesthetics
- Slide latches enable tool-less access to individual receptacles – eliminates the need for hard-to-use locking screws
- Accepts Keystone, Leviton® or Hubbell® data jacks
- Junction box features (3) 1/2 in. and (4) 3/4 in. knockouts (13 cubic inch capacity)
- Includes (1) 20A duplex receptacle, pre-wired, pigtail ends in junction box
- Includes (2) Leviton CAT 5e data jacks

Cable Entry

7/16 in. Conduit for Power

Two 7/16 in. Thru-Hole for Communications

16-1/4 in.

Device Layout

7-1/2 in.

Slide latch to release 1 or 2 flip lids

Slide latch to release 1 or 2 lids

Cat. No.	Description	Std. Ctn.
Poke-Through Base Unit		
FPT3-2P-2C-BRS	Brushed-Brass Cover	4
FPT3-2P-2C-ALM	Brushed-Aluminum Cover	
FPT3-2P-2C-BLK	Black Powder-Coat Cover	
FPT3-2P-2C	FPT3 Series Poke-Through Base Unit Only: (Cover purchased separately)	
Poke-Through Covers		
FPT3-CVR-BRS	Solid Brass, Brushed Finish	4
FPT3-CVR-ALM	Solid Aluminum, Brushed Finish	
FPT3-CVR-BLK	Aluminum with Black Powder-Coat Finish	
FPT3-CVR-GRY	Aluminum with Grey Powder-Coat Finish	
FPT3-CVR-BGE	Aluminum with Beige Powder-Coat Finish	
FPT3-CVR-BRN	Aluminum with Brown Powder-Coat Finish	

See page C67 to view brushed metal and powder coat finishes

Flush Power and Communications
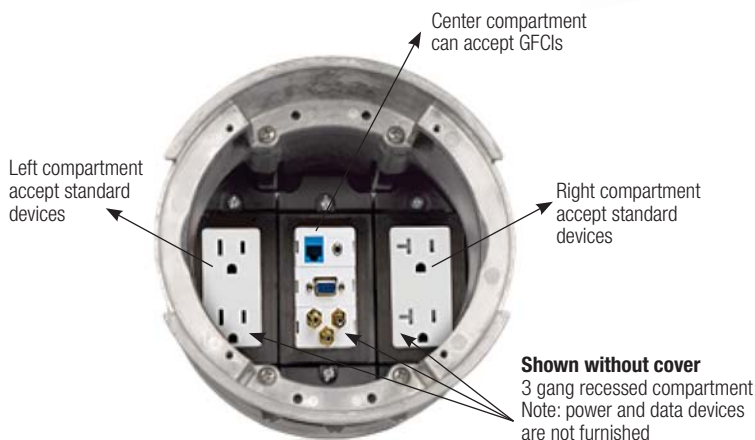
RPT6 Series – Recessed Poke-Through

Given the limitations on the number of holes that can be drilled in a floor, it is important to maximize the capacity of each location.

The RPT6 series offers a configurable solution that provides high capacity for both power wiring and communications cabling in a single-core drill location.

- Greater capacity than typical 3 in. and 4 in. core poke-throughs
- Core drill size: 6 in.
- Solid brass, black and brushed aluminum finishes provide superior aesthetics and durability
- Customer can use off-the-shelf wiring devices
- Center compartment can accept GFCIs
- Recessed service conceals devices below floor level
- Configurable compartment bottom junction box includes a cover with 1-1/4 in., 1-1/2 in. or 2 in. knockouts
- UL 263 – 2-hour fire test

New

Center compartment can accept GFCIs

Left compartment accept standard devices

Right compartment accept standard devices

Shown without cover
3 gang recessed compartment
Note: power and data devices are not furnished

The **new interactive 3D** view of the RPT6 is available online under www.tnb.ca

cULus

Cat. No.	Description	Std. Ctn.
RPT6-3G-BRS	RPT6 series poke-through Assembly: Base unit with solid brass cover	
RPT6-3G-BLK	RPT6 series poke-through Assembly: Base unit with black cover	1
RPT6-3G-ALM	RPT6 series poke-through Assembly: Base unit with brushed aluminum cover	

RPT6 Series – Recessed Poke-Through Covers

Cat. No.	Description	Std. Ctn.
RPT6-CVR-BRS	Solid brass cover	
RPT6-CVR-BLK	Black cover	1
RPT6-CVR-ALM	Brushed aluminum cover	

Moptite™ covers meet UL scrub-water exclusion requirements for carpet, tile and wood.
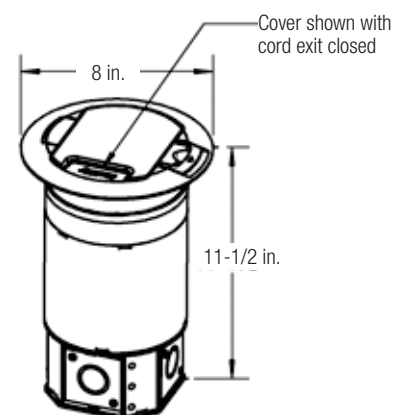
Solid Brass

Black

Brushed Aluminum

Cover shown with cord exit closed

8 in.

11-1/2 in.

Flush Power and Communications

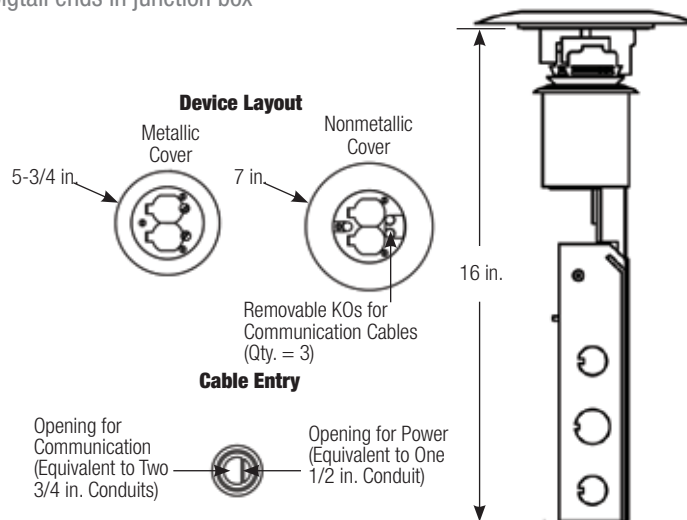### FPT Flush Series – Poke-Through: 2 Power

The Steel City® FPT Poke-Through Series provides an economical solution for installing a duplex receptacle in an existing floor – right where you need it.

- Capacity: 1 duplex receptacle
- Core Drill Size 3 in.
- Brushed brass and aluminum covers provide superior aesthetics and durability
- Nonmetallic covers are available in black, grey, beige and brown
- Nonmetallic covers include openings for 3 communications cables
- Integral junction box features (5) 1/2 in. and (5) 3/4 in. knockouts (27 cubic inch capacity)
- Assembled units include (1) 20A duplex receptacle, pre-wired with pigtail ends in junction box

Cat. No.	Description	Std. Ctn.
FPT-449	With Solid Brass Cover	
FPT-450	With Solid Aluminum Cover	
FPT-445-SW-BLK	With Black Nonmetallic Cover	
FPT-445-SW-GRY	With Grey Nonmetallic Cover	
FPT-445-SW-BGE	With Beige Nonmetallic Cover	1
FPT-445-SW-BRN	With Brown Nonmetallic Cover	
FPT-445-SW-BRS	With Brass Cover	
FPT-400B	FPT Poke-Through Base Unit Only (no duplex) (Cover purchased separately)	

Device Layout

Metallic Cover — 5-3/4 in.
Nonmetallic Cover — 7 in.
Removable KOs for Communication Cables (Qty. = 3)

Cable Entry

Opening for Communication (Equivalent to Two 3/4 in. Conduits)
Opening for Power (Equivalent to One 1/2 in. Conduit)

16 in.

FPT Flush Series – Poke-Through Covers

- Nonmetallic covers feature openings for 3 communication cables

Cat. No.	Description	Std. Ctn.
FPT-CACP	Solid Brass, Brushed Finish, 5-3/4 in. Diameter	
FPT-CACP-AL	Solid Aluminum, Brushed Finish, 5-3/4 in. Diameter	
FPT-441-SW-BLK*	Black, Nonmetallic, 7 in. Diameter	
FPT-441-SW-GRY*	Grey, Nonmetallic, 7 in. Diameter	10
FPT-441-SW-BGE*	Beige, Nonmetallic, 7 in. Diameter	
FPT-441-SW-BRN*	Brown, Nonmetallic, 7 in. Diameter	

*Not CSA Certified

Brushed-Metal Finishes
FPT-CACP Solid Brass
FPT-CACP-AL Solid Aluminum

Nonmetallic Colours and Finishes
FPT-441-SW-BLK Black
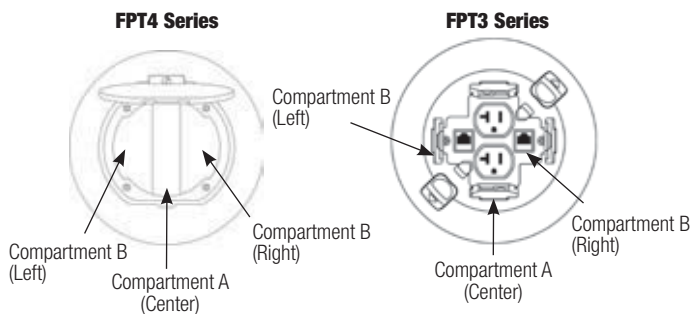FPT-441-SW-GRY Grey
FPT-441-SW-BGE Beige
FPT-441-SW-BRN Brown

Thomas&Betts A Member of the ABB Group

www.tnb.ca

Flush Power and Communications
Technical Specifications

Fire Rating and Concrete Thickness Min./Max. (all series)

- For use in 1-, 1-1/2 and 2-hour rated floors
- 1-hour rated floor:
  - 2-1/4 in. minimum concrete over steel decking
  - 3 in. minimum concrete for reinforced slab
  - 7-1/2 in. maximum concrete thickness
- 2-hour rated floor:
  - 3-1/4 in. minimum concrete over steel decking
  - 4 in. minimum concrete for reinforced slab
  - 7-1/2 in. maximum concrete thickness

FPT4 Series

FPT3 Series

Compartment B (Left)

Compartment B (Right)

Compartment A (Center)

Compartment B (Left)

Compartment A (Center)

Compartment B (Right)

	Maximum Allowable Copper Cross-Sectional Area for Communications Cabling		
Poke-Through Series	Compartment B (Left)	Compartment A (Center)	Compartment B (Right)
FPT4-4P-4C	Power	0.01630 sq. in.	Power
FPT4-2P-6C	Power	0.01630 sq. in.	0.01536 sq. in.
FPT4-8C	0.01536 sq. in.	0.01630 sq. in.	0.01536 sq. in.
FPT4-1TL-2C	Power	Power	0.01536 sq. in.
FPT3-2P-2C	0.00321 sq. in.	Power	0.00321 sq. in.

Cross-Selectional Area for Common Copper Conductors	
24 AWG	0.00032 sq. in.
22 AWG	0.00050 sq. in.
14 AWG	0.00323 sq. in.
12 AWG	0.00512 sq. in.
10 AWG	0.00615 sq. in.
8 AWG	0.01296 sq. in.

Solid or stranded wires

RPT Series The RPT Series has been superseded by the FPT4 Series	
RPT Series	FPT4 Series
RPT-4P-2RJ	FPT4-4P-4C
RPT-2P-4RJ	FPT4-2P-6C
RPT-6RJ	FPT4-8C

Maximum Allowable Copper Cross-Sectional Area for Communications Cabling — Furniture Feed Poke-Through Systems

- FFPT4 Series:
  - 3/4 in. Hub for Power
  - 1-1/4 in. Hub for Communications
- FFPT3 Series:
  - 2 in. Hub for Power or Communications

Materials

- FPT4 Series:
  - Covers: Solid brass or aluminum
  - Conduit Hubs: Cast Iron
  - Base: Die-cast zinc, galvanized steel & intumescent fire-stop material
  - Junction box: Galvanized steel
- FPT3 Series:
  - Covers: Solid brass or aluminum
  - Base: Die-cast zinc, galvanized steel & intumescent fire-stop material
  - Junction box: Galvanized steel
- FPT Flush/Furniture Feed/Pedestal Series:
  - Covers: Solid brass or aluminum, nonmetallic – polycarbonate
  - Base: Phenolic, galvanized steel & intumescent fire-stop material
  - Junction box: Galvanized steel
- FFPT4 Series:
  - Covers: Solid brass or aluminum
  - Base: Die-cast zinc, galvanized steel & intumescent fire-stop material
  - Junction box: Galvanized steel
- FFPT3 Series:
  - Covers: Solid brass or aluminum
  - Base: Die-cast zinc, galvanized steel & intumescent fire-stop material

Installation Spacing

- Minimum of 2-ft on center
- Not more than one Poke-Through per 65 sq. ft. of floor area in each span