



# POWER TRANSFER

## DEVICES

### Fire Rated Electric Power Transfer Hinges



**UL LISTED**  
10B Listed For  
3 Hrs Fire Rated Doors

#### Features

- 4.5' Ft Cable
- UL10B Listed for 3 Hour Fire Rated Doors.
- Wire Replacement Warranty

#### Application

Installed in the center hinge position of the door, PTH Power Transfer Hinges provide the concealed wires required to transfer power from the frame to electric hardware in the door for control and monitoring capability.

#### PTH-4Q

Four (4) Conductor Power Transfer Hinge  
1 Amp @ 12/24V per pair  
4.5" x 4.5" standard weight, 626 Dull Chrome

#### PTH-4Q-DPS

Four (4) Conductor Power Transfer Hinge with Door Status Contact  
1 Amp @ 12/24V per pair  
Door Status Contact: 250 mA @ 30VDC  
4.5" x 4.5" standard weight, 626 Dull Chrome

#### PTH-10Q

Ten (10) Conductor Power Transfer Hinge  
1 Amp @ 12/24V per pair  
4.5" x 4.5" standard weight, 626 Dull Chrome

#### PTH-10Q-DPS

Ten (10) Conductor Power Transfer Hinge with Door Status Contact  
1 Amp @ 12/24V per pair  
Door Status Contact: 250 mA @ 30VDC  
4.5" x 4.5" standard weight, 626 Dull Chrome

#### FOR VON DUPRIN EL 33 AND 99 SERIES EXIT DEVICES AND OTHER HIGH INRUSH DEVICES

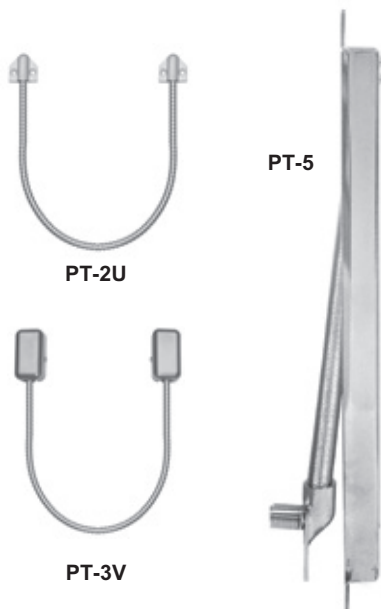
The PTH-2-4 hinges have been tested with Von Duprin\* EL devices and Von Duprin power booster at Underwriters Laboratories.

#### PTH-2-4Q

16 Amp Inrush, 6 conductor power transfer hinge  
1-pair 16 Amp inrush, 4 Amp continuous; 2-pair 1 Amp @ 12/24V  
4.5" x 4.5" standard weight, 626 Dull Chrome

#### PTH-2-4QDPS

16 Amp Inrush, 6 conductor power transfer hinge, with door status contact  
1-pair 16 Amp inrush, 4 Amp continuous; 2-pair 1 Amp @ 12/24V  
Concealed Door Position Contact, 250 mA @ 30VDC  
4.5" x 4.5" standard weight, 626 Dull Chrome



### Fire Rated Concealed Mortise Power Transfer

#### PT-5 Concealed Mortise Mount Power Transfer Loop

Frame mortised steel dust box with flexible steel loop and chrome finish. Recommended for use with hollow metal frames. UL Listed

**Dimensions:** 11.5"H x 1"W x 0.75"D (292 x 25.4 x 19mm)

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### Power Transfer Loops

18" (447mm) stainless steel armored flex conduit with small plastic end caps or termination box. Recommended for use with hollow metal and aluminum frames.

**PT-2U** With black end caps

**PT-3V** With aluminum wire termination box



PTM Heavy Duty Series  
**POWER TRANSFER**  
 CONCEALED ELECTRIC POWER TRANSFER

**MODELS**

- 2 Conductor:** Two (2) 18 Ga. wires, 5 Amp @ 12/24 V AC/DC  
**PTM-2AL** US28 equivalent, Aluminum Powder Coat  
**PTM-2BZ** US10B equivalent, Dark Brown Powder Coat
- 10 Conductor:** Ten (10) 24 Ga. wires, 1 Amp @ 12/24V AC/DC  
**PTM-10AL** US28 equivalent, Aluminum Powder Coat  
**PTM-10BZ** US10B equivalent, Dark Brown Powder Coat

**FEATURES**

- Power control input for electric locks and exit devices, locked, latched, mantrap, forced entry, open status signal wiring
- Mortise door and frame installation. The PTM is completely concealed when the door is closed.
- All metal design with stainless steel tubular wire transfer and heavy cast housing with steel back boxes provide weather and tamper resistance when door is open or closed.
- Fasteners for wood, steel and aluminum doors and frames included
- UL Listed Miscellaneous Fire Door Accessories
  - UL 10C Listed for up to 3 Hr Fire Rated doors and frames
  - Classified according to Uniform Building Code (UBC)
- Standard 7-2, "Fire Test of Door Assemblies" (1997)

**COMPATIBLE OPENINGS**

- 1-3/4" thick doors
- 0 - 180° opening swing with up to 3/4" offset pivots
- 0 - 180° opening swing with up to 5" wide butt hinges
- 0 - 130° opening swing with up to 5-1/2" wide butt hinges
- 0 - 130° opening swing with up to 6" wide butt hinges

**Not Compatible with:** Center Hung Doors, Swing-Clear Hinges, Pocket Pivots, Butt Hinges Larger Than 6", And 1-1/2" Offset Pivots

**Housing Dimensions:**

- 9" H x 1-1/4" W x 1-5/8" D (229mm x 32mm x 41mm)



Miscellaneous Fire Door Accessories  
 UL 10C 3 Hr Fire Rated  
 Classified per UBC 7-2

IDC's heavy duty Electric Power Transfer Device provides a concealed and secure means of transferring electric lock and exit device power and signal wires from the frame to the door.

Completely concealed when the door is closed the PTM Electric Power Transfer Device is ideal for heavy traffic and applications requiring higher security to inhibit tampering and abuse.

