Read All Warnings
Before Starting Installation!

Index:

- General Information ....................... 2
- Specifications ........................... 2
- Warnings .................................. 2
- Parts List .................................. 3
- Tools Needed .............................. 3
- Installation ................................. 5
- Templates ................................. 8
**GENERAL INFORMATION**

An EPT provides a wiring path from the door to the frame.

These instructions assume that a factory-prepped door and frame are being used. If the door and frame have not been factory-prepped, see the included template.

Before beginning the installation, review: Specifications, Warnings, Parts List and Tools Needed.

**SPECIFICATIONS**

**Applications**

EPT can be used for:
- Door Thickness - 1 3/4” minimum
- 0 - 180° opening with up to 5” butt hinges
- 0 - 180° opening with up to 3/4” offset pivots
- 0 - 130° opening with 5 1/2” butt hinges
- 0 - 110° opening with 6” butt hinges

Note: The following specifications apply to a 1 3/4” thick door.

EPT cannot be used for:
- 1 1/2” offset pivots
- larger than 6” butt hinges
- pocket pivots
- swing clear hinges
- center hung door (center pivot)
- balanced door

**Electrical Ratings**

EPT2
- Two 18AWG wires
- Max. Rating: 24VDC, 5A or 120VAC NEC Class 3

EPT10
- Ten 24AWG wires
- Max Rating: 24VDC, 1A

**READ ALL WARNINGS BEFORE STARTING INSTALLATION!**

⚠️ CAUTION
Do not exceed rated specifications.

⚠️ CAUTION
EPT must be installed in accordance with these instructions by a qualified electrician.

⚠️ CAUTION
Wiring must be in accordance with all local codes and regulations.
An EPT contains the following parts:

- EPT Assembly
- Door Backbox
- Frame Backbox

**TOOLS NEEDED**

These are the necessary tools for installing an EPT into a factory-prepped door and frame.

- Phillips Screwdriver
- Straight-Blade Screwdriver
- Wire Stripper
- Crimping Tool
- Flat Phillips Head Wood Screws
- Flat Phillips Head Machine Screw
- #10-24 x 3/4"
- #10-24 x 3/8"
- #10 x 3/4”
- 12 Gauge Yellow (4)
- 18 Gauge Violet (20)
- Wire Connectors
- EPT10 Only
- Strain Relief
Reference drawing for installed EPT.

Figure 1. Complete Installation
1 Verify preparations.
   A. Verify door and frame preps match template.

2 Mount frame backbox.
   A. Remove knockout from frame backbox.
   B. Connect 1/2” conduit (if used) to knockout. Install backbox with knockouts on top.
   C. Pull 5” of field wire through knockout.
   D. Mount frame backbox to frame using supplied screws.
3 Mount door backbox.

A. Orient bevel of door backbox to match bevel of door as shown in Figure 3A.
B. Remove a bottom knockout (rear knockout must be used for wood door).
C. Pull 5” of field wire through knockout. Install strain relief.
D. Mount door backbox to door using supplied screws.

![Figure 3A. Beveled edge of door backbox.](image)

**NOTE:** Door backbox is required for wood fire doors. Rear knockout must be used.

![Figure 3B. Door backbox mounting](image)

- #10 - 24 x 3/8” for Metal Door
- #10 x 3/4” for Wood Door
4 Wire connections.
A. Use supplied crimp connectors to terminate EPT wires.
   1. Yellow connectors for 12AWG connections.
   2. Violet connectors for 18AWG or smaller connections.

<table>
<thead>
<tr>
<th>FRAME WIRE</th>
<th>EPT2 WIRE</th>
<th>DOOR WIRE</th>
</tr>
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<tbody>
<tr>
<td>Black</td>
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<td></td>
</tr>
<tr>
<td>Black-Rib</td>
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Fill in tables during installation.

5 Mount EPT assembly.
A. Carefully tuck excess wire into backboxes as shown in Figure 5A.
B. Fasten EPT assembly to frame using four #10 x 3/4” machine or wood screws.
C. Repeat Steps 4 and 5 for door side.

NOTE: Be careful not to pinch wires between Backbox and EPT.

Figure 4. EPT Wire Terminations
Figure 5A. Mount EPT assembly
Figure 5B. Exploded view of spring

6 Verify mechanical operation.
A. Verify that door opens and closes and that electrical components function.
DESCRIPTION:

POWER TRANSFER UNIT
EPT2, EPT10 & PNT1

VON DUPRIN
Part of worldwide Ingersoll-Rand

TEMPLATE NUMBER: 40250-1
SHEET#: 1 of 1
DATE: 03/07/97