#DX417
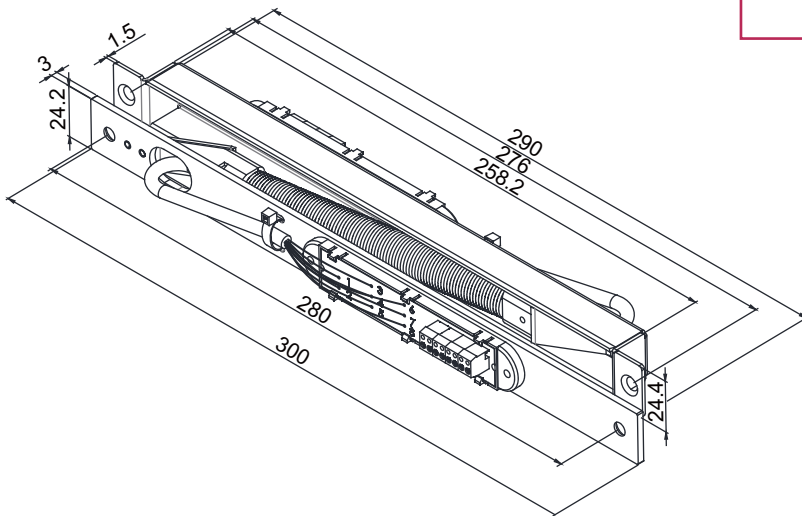## POWER TRANSFER

DX417 provides the means of transferring electrical power & data from the frame to the door in a secure and discreet manner. The DX417 Power Transfer Mortised Mounted Door Loop with terminal boards is equipped with two pluggable terminal blocks on both ends of the loop, which allows easy connection and disconnection of wires for quick installation and simple maintenance. Suitable for metal door frames with square drilling holes.
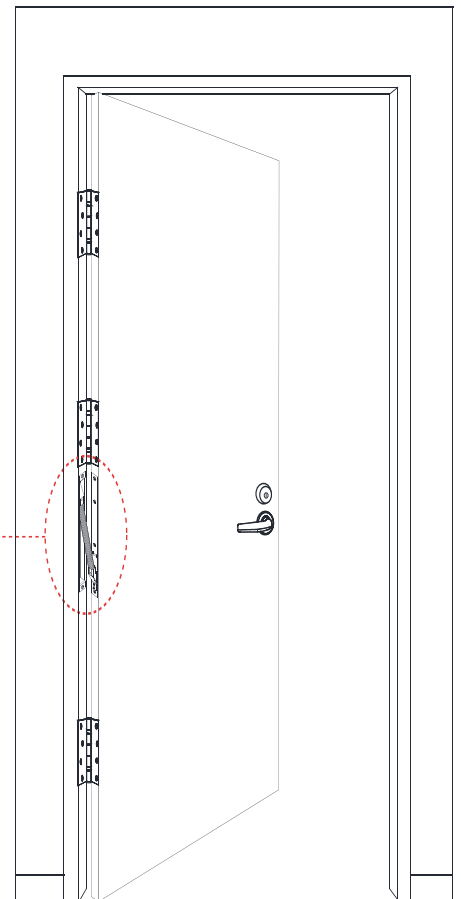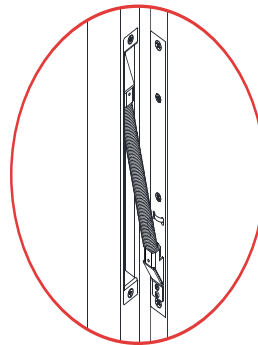
Concealed Door Loop Installation

Totally concealed when the door is closed, the DX417 Power Transfer Door Loop for mortise mounting beautifies the door frame and provides clean appearance.
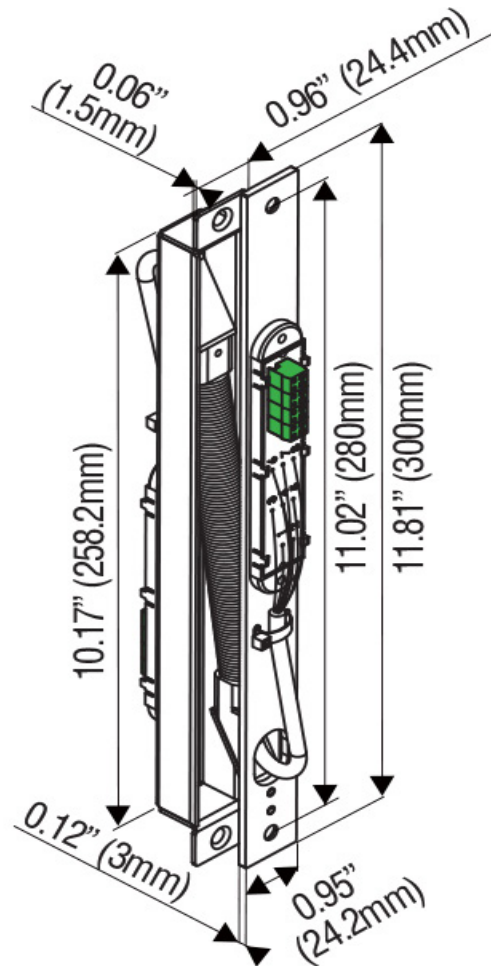

Specifications

- Stainless Steel case and Stainless Steel flex conduit
- Operating Voltage: 12 or 24 VDC
- Terminal Block Rating: 12V/2A or 24V/1A
- Gauge Size: 24 AWG
- Wires Color: Red 1, Black 2, Grey 3, White 4, Orange 5,
-         Yellow 6, Blue 7, and Green 8
- Terminal Block Specifications and Connections:
- 2-pair Green blocks (terminal 1, 2): Power In
  3-pair Blue blocks (terminal 3, 4, 5): SPST switch contacts
- 3-pair Green blocks (terminal 6, 7, 8): SPST switch contacts
- Note :
- Wire color numbers match terminal block numbers,
- and the terminal blocks on both sides are labeled
- with the same number.
- For each side, the Red wire 1 is connected to
- terminal 1 of the Green Block, the Black wire 2 is
- connected to the terminal 2 of the Green Block, and so on.

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POWER TRANSFER

Dimensions shown:
- 0.06" (1.5mm)
- 0.96" (24.4mm)
- 10.17" (258.2mm)
- 11.02" (280mm)
- 11.81" (300mm)
- 0.12" (3mm)
- 0.95" (24.2mm)

Product Features

- Power Transfer Door Loop with Terminal Boards for Metal Door Mortise Mounting
- Stainless steel flex conduit
- Inside conduit diameter: 3/8" (9 mm)
- Outside conduit diameter: 9/16" (14.5 mm)
- Dimensions: 320L x 25W x 53D mm
- 8-conductor@24 gauge
- Detachable terminal blocks
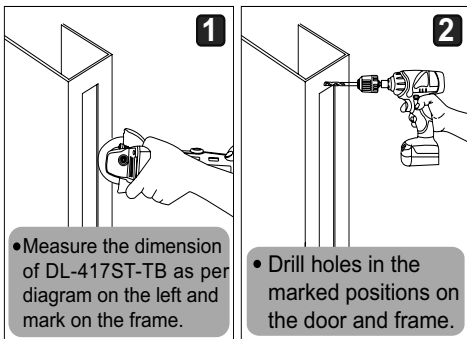- Stainless steel flex conduit & case
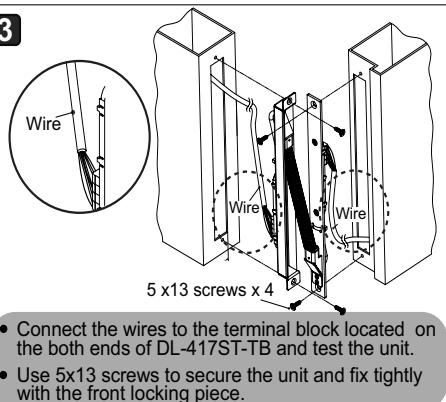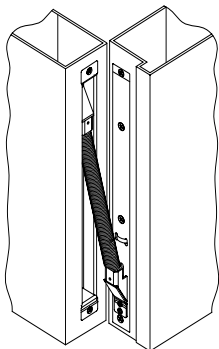- Metal frame

#DX417
POWER TRANSFER
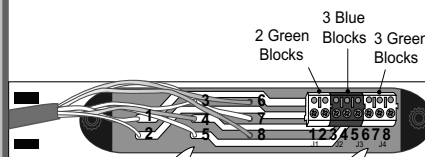## INSTALLATION INSTRUCTIONS

1. Installation Steps

1
• Measure the dimension of DL-417ST-TB as per diagram on the left and mark on the frame.

2
• Drill holes in the marked positions on the door and frame.

3
Wire
Wire Wire
5 x13 screws x 4

• Connect the wires to the terminal block located on the both ends of DL-417ST-TB and test the unit.
• Use 5x13 screws to secure the unit and fix tightly with the front locking piece.

4
Accessories
5 x13 screws x 4

• Make sure the DL-417ST-TB is completely embedded into the door and frame.

2. Terminal Block Wiring Diagram

2 Green Blocks | 3 Blue Blocks | 3 Green Blocks

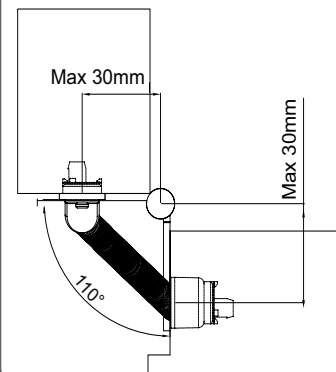| Wire			Terminal Block		
1 Red	+	**2** Green Blocks	**1** Red	+	
2 Black	-		**2** Black	-	
3 Grey	NC	**3** Blue Blocks	**3** Grey	NC	
4 White	COM		**4** White	COM	
5 Orange	NO		**5** Orange	NO	
6 Yellow	NC	**3** Green Blocks	**6** Yellow	NC	
7 Green	COM		**7** Green	COM	
8 Purple	NO		**8** Purple	NO	

Note:
Wire color numbers match terminal block numbers, and the terminal blocks on both sides are labeled with the same number.

For each side, the Red wire 1 is connected to the terminal 1 of the Green Block, the Black wire 2 is connected to the terminal 2 of the Green Block, and so on.

3. Door Opening Angle & Installaiotn Distance

Max 30mm
Max 30mm
110°

4. Concealed Door Loop Installation