**STEP 4: ROUTING WIRES THROUGH DEVICE**

Wires can be routed through device or door

- **a.** LOOSEN set screw with 3/32 hex wrench. Do NOT remove.
- **b.** SLIDE extrusion away from pushpad assembly.
- **c.** ROUTE wires through extrusion.

**NOTE:**
1. Detex recommends the power supply to be located within 15 feet of the device.
2. Detex recommends using minimum 20 GA wire for power.
3. Current draw: 24VDC = 150 mA
   - 12VDC = 250 mA

- **e.** CONNECT solenoid and harness wires.
- **f.** Fall-Secure = Black or Blue spiral tubing
  - Fall-Safe = Red or Yellow spiral tubing

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**INSTALLATION INSTRUCTIONS FOR "EU2W" LEVER TRIM, 4-1/2" MINIMUM STILE**

**ELECTRIC UNLOCK:** **NOTE:** Trim is not field reversible.

A DC power source is connected across the brown wires to power the internal solenoid. The solenoid connection is not polarized. The applied voltage will unlock for Fail-Secure and lock for Fail-Safe.

Units are color coded as follows:
- 24 VDC Fail-Secure (Black spiral tubing) p/n 104209-1
- 24 VDC Fail-Safe (Red spiral tubing) p/n 104209-2
- 12 VDC Fail-Secure (Blue spiral tubing) p/n 104209-3
- 12 VDC Fail-Safe (Yellow spiral tubing) p/n 104209-4

**STEP 1: PREP TRIM DEVICE**

Install tailpiece for RIM or SVR

**NOTE:** Mortise cylinder NOT supplied with trim, but can be ordered separately.

- **a.** Cylinder
  - P/N: 102281-X
- **b.** Short collar
  - P/N: 100073-X
- **c.** Installation Continuation:
  - SLIDE extrusion back to pushpad assembly
  - Tighten set screw with 3/32" hex wrench
- **d.** Cylinder plate
  - P/N: 100754
- **e.** Hex nut
  - P/N: 100783
- **f.** INSTALL mortise cylinder
  - A short cylinder collar is supplied for cylinders 1” to 1-3/8” long.
  - For cylinders greater than 1-1/8”, order tall collar
  - P/N: 100762-X

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Follow steps a thru f in order
STEP 2a: PREP DOOR (Rim & SVR)
Mark & Drill holes

NOTES:
1) For a retrofit application, remove device before installing new trim.
2) LH R installation shown (Reverse all steps for RHR).

Backplate
P/N: 100696-1

DRILL HOLES
MARK HOLES
Device Side

5/16" diameter
5/8"
1/2" diameter
1-3/8"
3/4" diameter
40" above finished floor

(Wood Doors Only)

DRILL HOLES
Device Side
Holes "a" Hole "b" Hole "c" Hole "d"
Trim & Device Side 1/2" 3/4" 1/2" 1/2" Trim & Device Side ONLY

(Wood Doors Only)

DRILL HOLES
Trim Side
1/2" diameter
3/16"
1/2" diameter
11/16"
3/4" diameter

(Metal Doors Only)

DRILL HOLES
Device Side
Holes "a" Hole "b" Hole "c" Hole "d"
Device Side 5/16" 1/2" 3/4" 1/2" Trim Side 1/2" 1/2" 1/2" Trim Side ONLY

(Metal Doors Only)

DRILL HOLES
Trim Side
"a" 1/2" diameter
"d" 1/2" diameter
Clearance hole for solenoid wires. TRIM side only
"b" (REF)

STEP 3a: INSTALL TRIM DEVICE (Rim & SVR)
Install TRIM for Rim & SVR Device

METAL Doors

ROUTE wires & connector thru this hole
INSTALL backplate with (2) 1/4-20 x 1" screws

WOOD Doors

ROUTE wires & connector thru this hole
INSTALL backplate with (2) 1/4-20 x 1" screws