

Facility Status Display (FSD)

Quick Start Guide

The FSD reports alarm information and more, (such as temperatures, occupancy, case status, and setpoints) and provides a centralized device for store personnel to review information by communicating with the E2 via Ethernet connectivity (minimum E2 firmware revision 2.65F01).

The FSD has a touch screen color display for quick navigation and can be mounted in a separate, remote location from the E2 controller, which enables alarms and other relevant store information to be viewed from where it is most convenient for the user.

The FSD can be configured to filter out notices and/or return-to-normal alarms, and provides a quick review of all advisories and detailed advisory information. The FSD also receives alerts and provides annunciated alarms and alarm information directly to store and department managers. This compact unit can be installed virtually anywhere with a standard Ethernet connection and 120V power source.



Figure 1 - Facility Status Display
(P/N 850-5100)

For a copy of the full Facility Status Display (FSD) Installation and Operation Manual containing setup information and more, scan the QR code or visit this [link](#) to download or contact Emerson Customer Service at 770-425-2724.



Installation

Wiring

1. STEP 1: Using the four screws on the front of the mounting plate, unscrew the cover of the FSD and remove, exposing the back of the enclosure. Once the top has been separated from the back of the enclosure, unplug the 8-pin connector and RS232 cable (Step 1 of Figure 2) from the circuit board (P/N 537-1100).
2. STEP 2: Mount the base enclosure and refer to the *Mounting* section for instructions.
3. STEP 3: Once the unit has been mounted, depending on the voltage input, wire either 120VAC, 208VAC, or 240VAC Hot leg to the corresponding terminal block label. Then wire the Neutral or L2 leg to the terminal block labeled Neutral. Wire Ground to Ground as indicated by Step 3 of Figure 2.

NOTE: Provide either 120VAC, 208VAC, or 240VAC (40VA max) to the FSD terminal block through a store circuit breaker. The breaker size should be 20 amps or less.

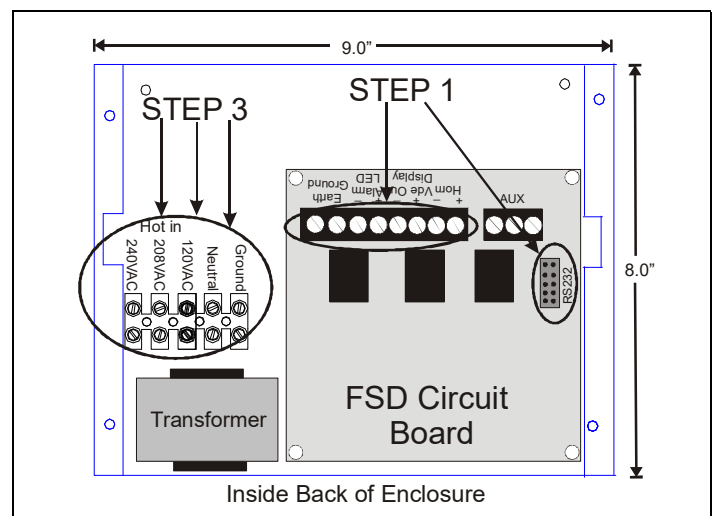


Figure 2 - Inside Back of Enclosure

- STEP 4: Open the ferrite (P/N 090-0008) and run the Ethernet cable through, wrapping the cable around the ferrite twice (two turns), near the Ethernet port (LAN) on the back of the display, and close the ferrite (Figure 3) around the Ethernet cable.



Figure 3 - Ferrite Installation of Ethernet Cable

- STEP 5: Plug the Ethernet cable into the RJ45 connector (LAN) on the back of the FSD's display module (P/N 750-5100) as indicated by Step 5 of Figure 4.
- STEP 6: Reconnect the 8-pin connector and RS232 cable to the circuit board in Step 6 of Figure 4.
- STEP 7: Replace the mounting plate back onto the enclosure and attach using the four screws.

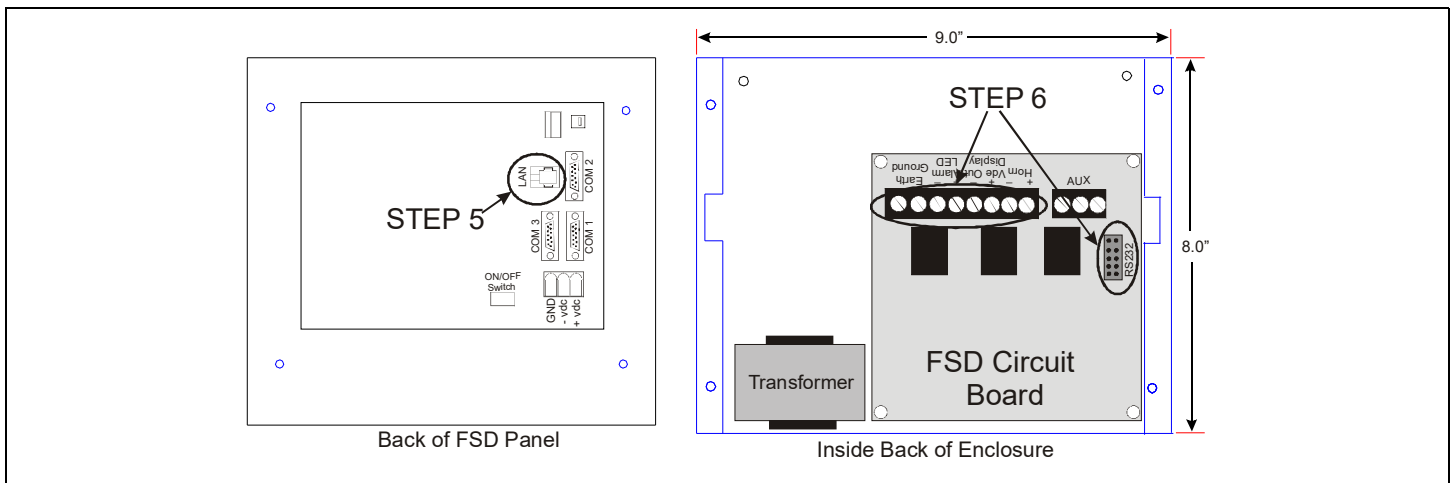


Figure 4 - Wiring Layout of FSD Enclosure

Mounting

The FSD is recess-mounted into a wall or other mounting surface. The face plate with the LCD display (front portion of the unit) will mount flush against the surface around the outside of the opening once the power supply box has been mounted inside the wall.

- Cut a rectangular hole into the mounting surface 8.0" high by 9.0" wide, by at least 3.875" deep (20.32 cm high by 22.86 cm wide by at least 9.84 cm deep). When cutting the mounting hole, allow at least 1/2" (1.27 cm) clearance around the hole for face plate mounting (Figure 6).
- Once this hole is cut, mount the unit as desired (Figure 5), and position the enclosure so that the four support tabs are flush against the outside lip of the opening in the wall.
- Use a screwdriver to bend the four push-out tabs (two on each side) against the inside of the drywall so that they hold the power supply box in place.

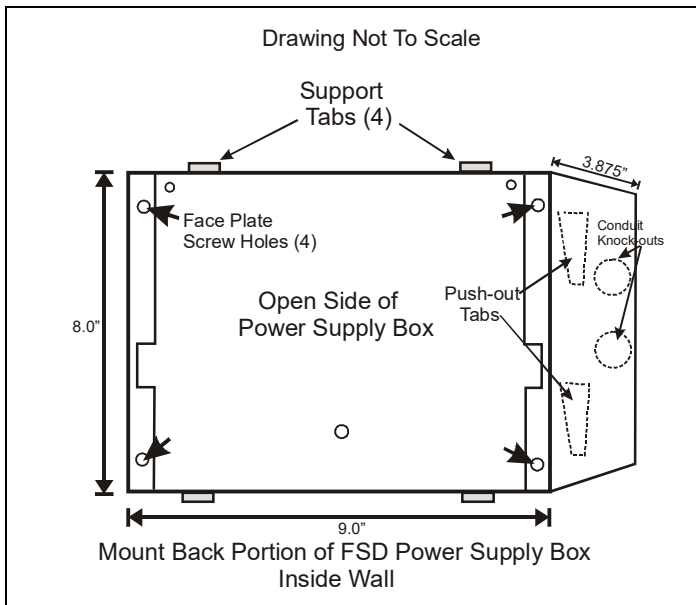


Figure 5 - Mounting the Power Supply Box

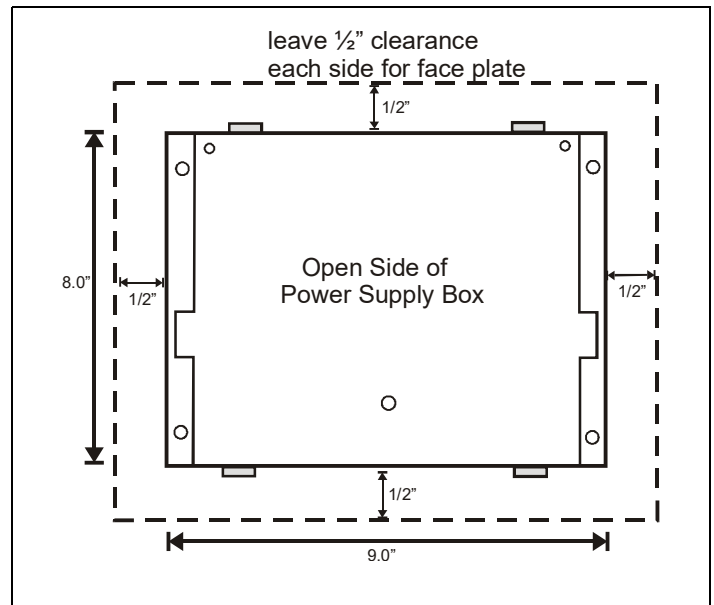


Figure 6 - Leave 1/2" For Face Plate Mounting

Specifications

Voltage Input	120VAC, 208VAC, or 240VAC +10%, -15%
Transformer Output to Circuit Board	24VAC
Maximum Current	1.0 amp
Humidity	10 to 95% @ 104°F (40°C) (relative humidity, non-condensing)
Operating Temp	32 to 122°F (0 to 50°C)
Storage Temp	-4 to 140°F (-20 to 60°C)
Dimensions	Screen (diagonal): 3.5" / Flush mounting plate: 9" x 10" / Mounting hole: 9" x 8"

Table 1 - Facility Status Display Specifications