E3-Facility Status Display (FSD)
Quick Start Guide

The E3-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 E3 via Ethernet connectivity (minimum E3 firmware revision 2.26).

The E3-FSD has a touch screen color display for quick navigation, which enables alarms and other relevant store information to be viewed from where it is most convenient for the user.

The E3-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 E3-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 24VAC power sources.

Figure 1 - Facility Status Display (P/N 850-5000)

Specifications

| Operating Temperature	-40°F to 140°F (-40°C to 45°C) *Tested to UL60730-1 standard
Operating Humidity	5% to 95% RH non-condensing at 90°F
Storage Humidity	5% to 100% RH
Voltage	24VAC ±20%, 50/60 Hz, Class 2 transformer
Dimensions	12 x12 x 3.75 in.
2 Ethernet Ports	ETH 0, ETH 1
Lithium Battery Marking	Caution: The cell used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 212°F or incinerate.

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STEP 1: Mounting

Use the *603-0110* mounting plate kit to mount the E3-FSD flush onto the wall.

The E3-FSD box body style is designed to be mounted against or inside a wall or panel. If mounted against a surface, the controller will be 3.75" off the mounting surface. If mounted inside a surface, the door and front section of the back panel will rest 1.55" (plus the depth of the plate) off the mounting surface.

Standard Mount

The standard mount is meant for the controller to be mounted against a wall using the four mounting holes at the rear of the enclosure shown in *Figure 2 on page 2*. These holes are accessible without any removal of any components inside the enclosure.

E3-FSD Inside Back Enclosure Mounting Holes - Standard Mount
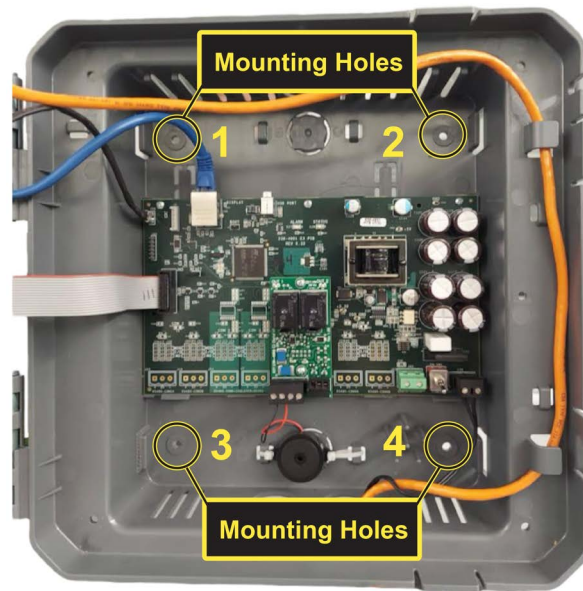
Figure 2 - Four Mounting Holes Location

Recessed/Flush Mount

The recessed mount is meant for the controller to be bolted against a surface using the 4 (out of 14) mounting holes. The outside 4 holes are used to attach the FSD to the plate. The unit may be mounted with the recessed back portion of the unit inside the wall, with the front portion of the FSD visible through the hole in the wall. For a recessed mount, you will need to cut a rectangular hole into the mounting surface 9.0" wide by $10^{5/8}$" high.

1. Place the mounting plate onto the wall and level the plate. Measure and mark the area in the center and also mark the outside mounting hole locations.
2. Remove the plate and cut the hole using the marked center area of the plate *Figure 3 on page 3*.
3. Once this hole is cut, mount the plate to the back of the E3-FSD housing and attached using the four screws and hardware included in the kit (*Figure 4 and Figure 5 on page 4*).

4. Place the FSD and plate together inside the cutout in the wall. Mount to the wall using the 4 mounting holes in each corner of the plate.
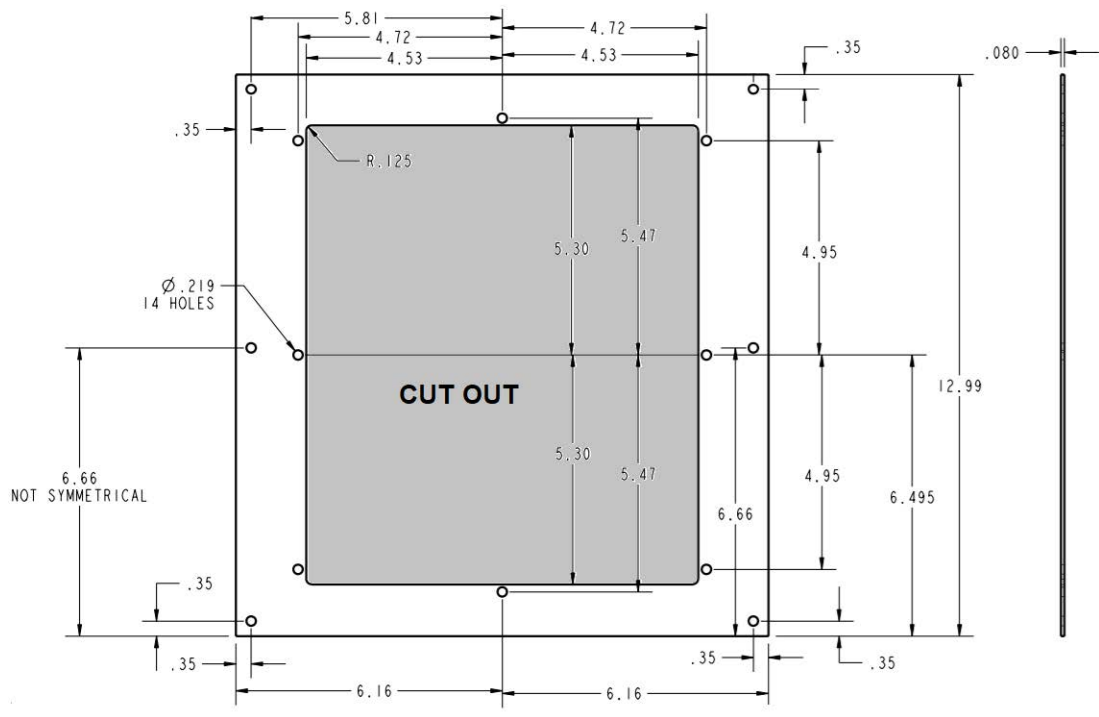

Figure 3 - Mounting Plate P/N 603-0110 ***Not to Scale***

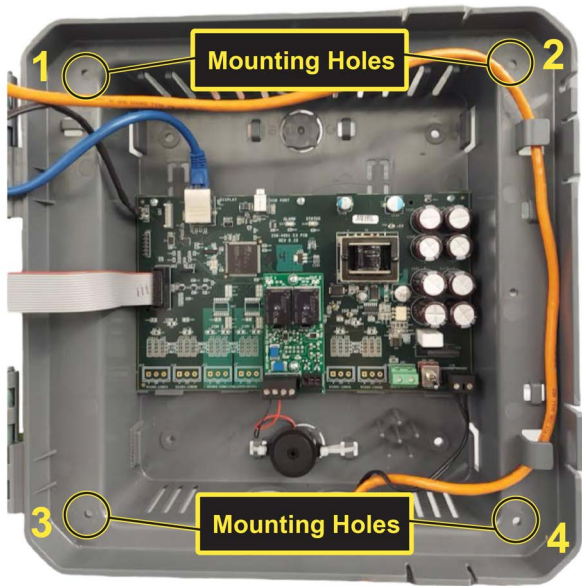## E3-FSD Inside Back Enclosure with Plate Attached - 4 mounting holes indicated

Figure 4 - Mounting Plate Attached to the E3-FSD - front open

E3-FSD with Mounting Plate - Front View

Figure 5 - Mounting Plate Attached to Rear Housing - front closed

E3-FSD with Mounting Plate - Back View

Figure 6 - Mounting Plate Attached to Rear Housing - back view

STEP 2: Network Setup and Wiring

1. Connect the Ethernet cable to the ETH port labeled **ETH0 NETWORK.**

   NOTE: *Do not exceed the maximum Ethernet cable length of 328 feet (100 meters).*
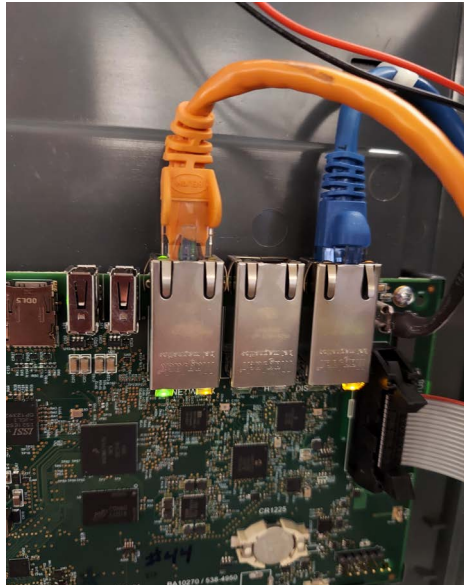

Figure 7 - Ethernet Connection

   NOTE: *The E3-FSD comes pre-wired from the factory. No alarm or horn wiring is required.*

2. If needed, additional devices such as an external horn can be connected using the auxiliary relay and 5V output:
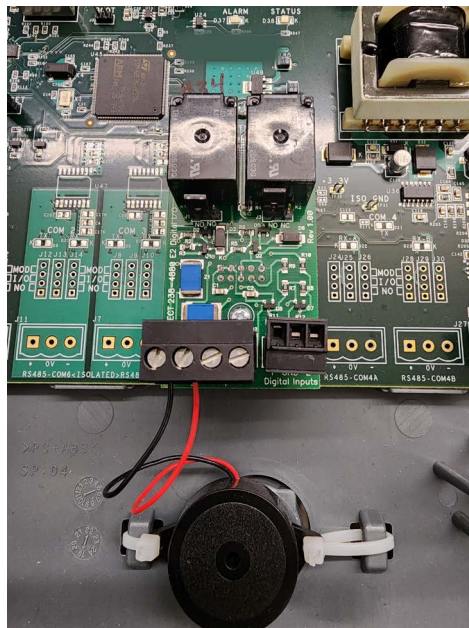

Figure 8 - AUX Connector - Optional Wiring Available

STEP 3: Power Connection

1. Feed the 24VAC cable through the bottom opening and connect 24VAC power.
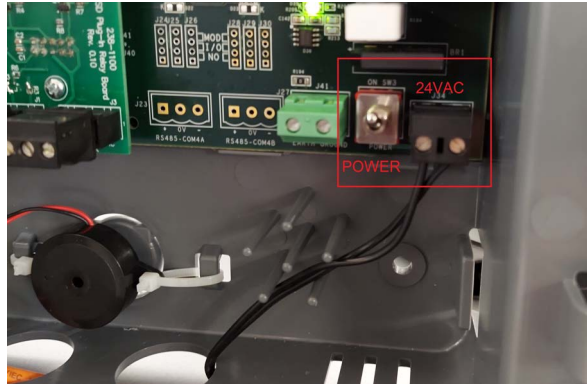2. Flip the power switch to ON (up position).

Figure 9 - Connect 24VAC Power

STEP 4: Software Setup and Parameter Settings

Once mounted and powered on, log in and follow the steps below. Your E3-FSD comes with Feature setup and Setpoint files pre-loaded at the factory.

1. Login with your default user/password: **user/fsdadmin** (it is recommended to change your password after initial login).
2. Set the E3-FSD parameters by opening the main menu on the Home page:
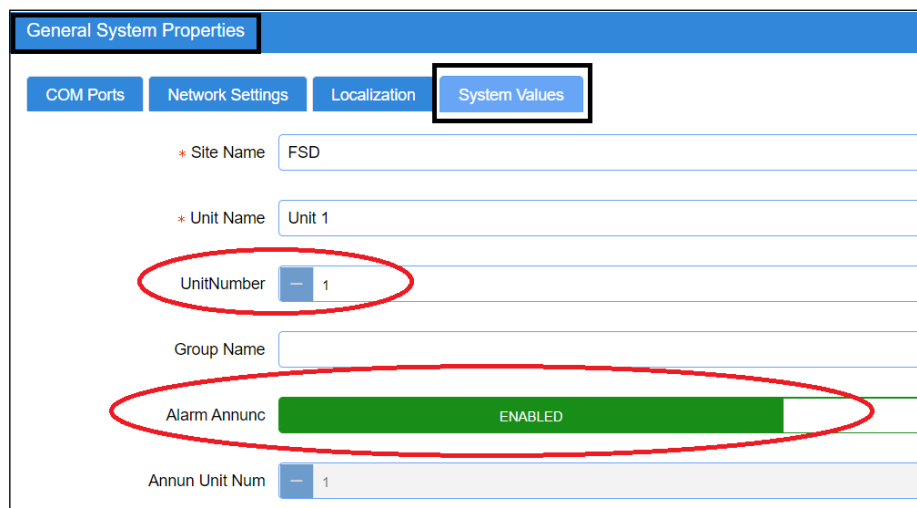3. Click the gear icon > **General System Properties** > **System Values** tab:

Figure 10 - E3-FSD System Values Page

4. Set **Alarm Annunc** to **ENABLED** (default).
5. Set **UnitNumber** to the number of your E3-FSD on the network.
6. Enter a **Group Name** for the correct peer network name.
7. **Site Name** and **Unit Name** fields are both optional settings.
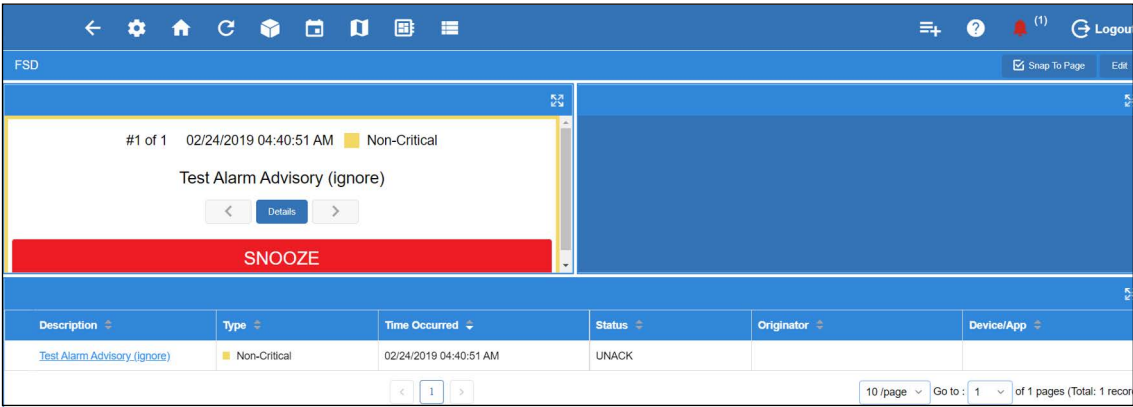
STEP 5: Home Page Alarm Example

Figure 11 - E3-FSD Home Page

The Home page displays alarms with status information (click **Details** for more information or **SNOOZE**) and a list of all alarms in the system appears under **Description** with additional alarm information.

Peer to Peer Network Setup

For Peer network and Annunciator setup, see ***Appendix E*** in the ***Supervisory Control Platform Controller Installation and Operation Manual P/N 026-1803***. Click <u>here</u> to access.

Note that multiple Aggregators may be set up, but only one Annunciator and one monitoring master may be set up. Any device can be the Gateway unless in a mixed (Site Supervisor/E3+E2) environment. In mixed environments, an E3 or Site Supervisor must be the Gateway.