Honeywell | Farenhyt™ Series

ECS-LOC

Local Operator Console

Product Installation Document

1 Description

The ECS-LOC Local Operator Console is a combination ECS-RVM Remote Voice Module and its associated RA-2000 keypad annunciator which is compatible with the Emergency Communication System. An additional 24 switches can be added to the ECS system using an ECS-SW24, purchased separately.

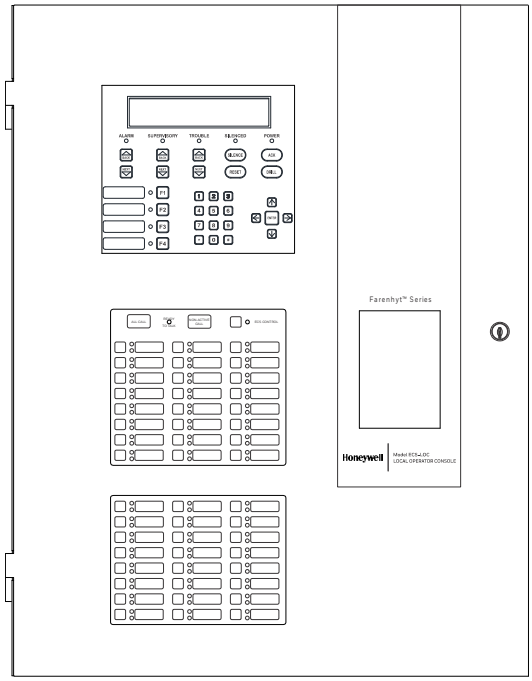

Figure 1 ECS-LOC Local Operator Console

1.1 Compatibility

The ECS-LOC is compatible with the Farenhyt IFP-2100ECS and IFP-300ECS Series FACPs.

2 Specifications

These current draws are specified only for one RA-2000 keypad annunciator and one ECS-RVM.

- Standby Current: 93mA
- Alarm Current: 133mA
- Operating Voltage: 24VDC
- Operating Temperature: 32°F - 120°F (0°C - 49°C)

3 Mounting the Cabinet

NOTE: Installation and wiring of this device must be done in accordance with NFPA 72 and local ordinances.

1. Remove the cabinet door and dead front panel by lifting up and sliding them off the two pins in the hinge bracket of the base. The outer hinge pins are used for the door while the inner hinge pins are used for the dead front panel.

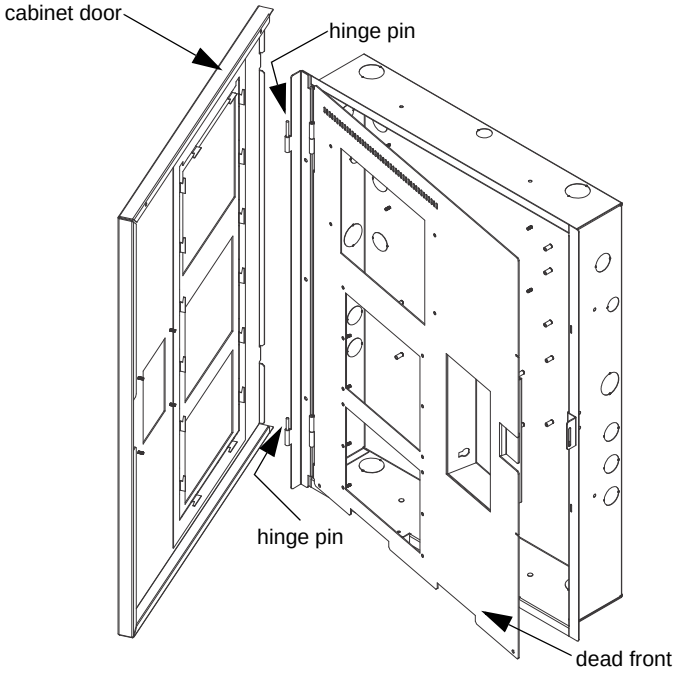

Figure 2 ECS-LOC Door and Dead Front

2. Remove AC power and disconnect the backup batteries from the main control panel.

   When mounting the cabinet on interior walls, use appropriate screws such as #10 drywall or concrete screws to anchor into plaster.

   When mounting the cabinet on concrete, especially when moisture is expected, attach a piece of 3/4” plywood to the concrete surface and then attach the ECS-LOC to the plywood.

3.1 Surface Mounting

The cabinet can be mounted on wall surfaces by using the mounting holes in the back of the cabinet.

1. Mark and pre-drill the holes in the wall for the center top keyhole mounting bolts using the dimensions in Figure 3.
2. Place the backbox over the top screws, level, and secure the screws.

3. Install the remaining fasteners and tighten.

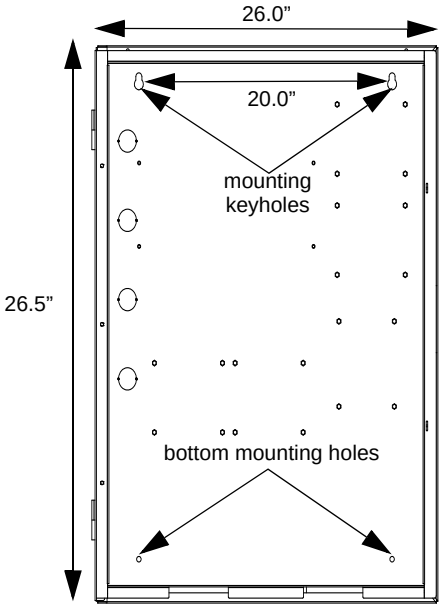

Figure 3 Cabinet Mounting Holes

3.2 Recessed Mounting

Follow these steps to recess mount the cabinet:

1. Cut a recess hole. There should be 1.5" to 1.75" of cabinet extruding from the wall, this should be measured from either the top edge or bottom edge to the exterior side of the sheet rock.
2. Mount the cabinet to the wall studs by inserting a screw through the cabinets side mounting holes and then insert it into the wall stud.
3. To reinstall the doors, align the top hinge first, and then align the lower hinge. Lower the door and dead front onto the hinge pins.

4 Wiring

4.1 Board Layout

Figure 4 shows the back view of the ECS-LOC board.

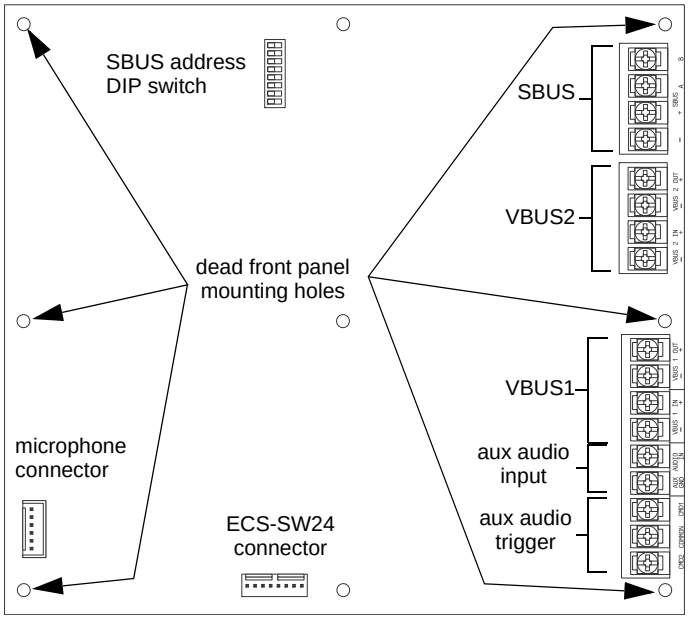

Figure 4 Back View of the ECS-LOC Board

4.2 Wiring to the FACP

See Figure 5 to properly wire the ECS-LOC to the FACP SBUS.

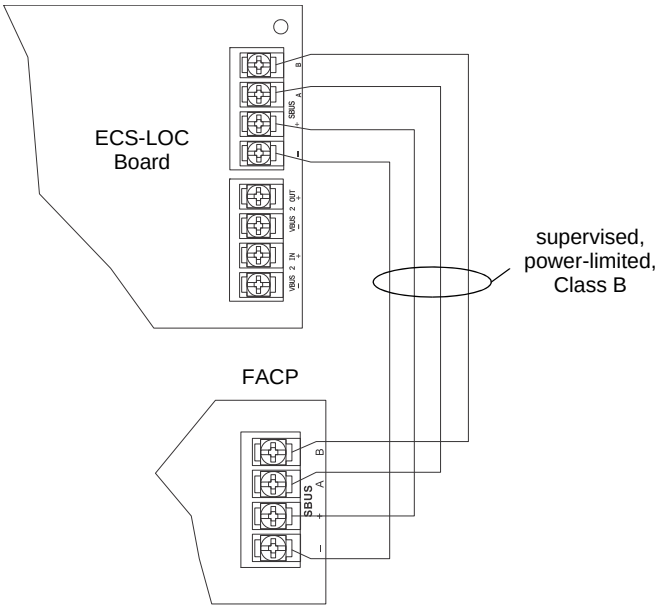

Figure 5 ECS-LOC SBUS Connections to the FACP

5 Setting the DIP Switches

5.1 Address Setting

Each SBUS device requires a unique address. DIP switches 1-6 on S1 are used to set the address. This address will be displayed on the LCD display as the Station ID number.

The maximum number of devices that can be connected to the SBUS communication circuit depends on the limitations of the FACP. Refer to the FACP manual for more information. SBUS device addresses do not need to be sequential and can be set to any number between 01 and 63, depending on the model of the FACP. Note that 00 is not a valid address.

5.2 Communication Protocol

DIP switch 7 is used to determine the communication protocol of the ECS-LOC. Set DIP switch 7 to ON for SBUS protocol. This switch must stay in the ON position for proper functionality.

Ensure switch 7 is ON

Incorrect setting

5.3 End-of-Line Resistor

The end-of-line termination resistor must be enabled at S1 DIP switch 8 on the last device on the communication circuit. All other annunciators should have these switches set to disable.

termination enabled

termination disabled

6 Installing the Microphone

1. Clip the microphone onto the microphone clip.

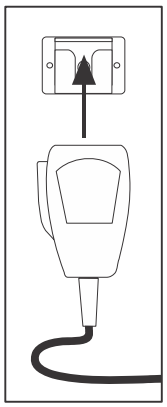

Figure 6 Hang Microphone on Microphone Clip

2. Insert microphone cord through hole at the bottom of the dead front panel.

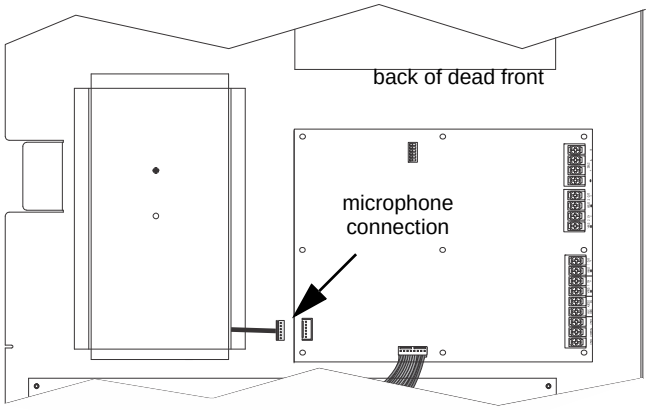

Figure 7 Microphone Cord Inserted Through Dead Front Panel Hole

3. Attach strain relief clip to microphone cord. The strain relief clip should have about 2.75” of microphone cord through it.

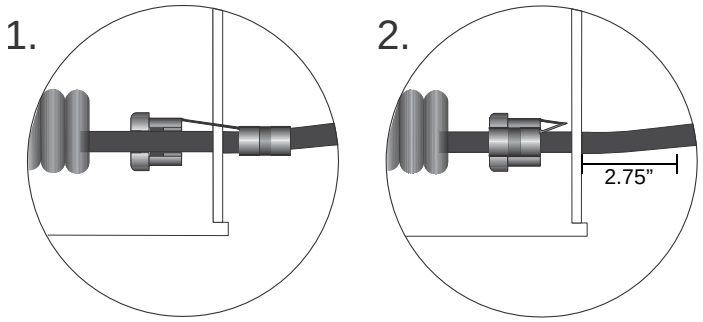

Figure 8 Installing Strain Relief Clip

4. Push the strain into the hole in the dead front panel.
5. Attach connector to the ECS-LOC board.
6. Restore AC power and reconnect the backup batteries.

7 Optional Accessory

THUMBLTCH - Turn latch lock (not intended for UL installations).

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