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FIK-LOC2100 Product Installation Document

PN LS10188-002FK-E:A 03/03/2021 ECN: 151526

1 Description

The FIK-LOC2100 Local Operator Console is a combination FIK-RVM Remote Voice Module and its associated FIK-RA2000 keypad annunciator which is compatible with the Emergency Communication System.



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

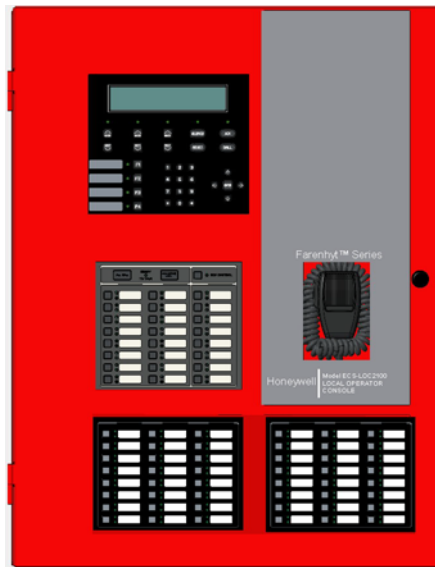


Figure 1 FIK-LOC2100 Cabinet

1.1 Compatibility

The FIK-LOC2100 is compatible with the Fike Series FACP's, FIK-2100ECS.



NOTE: For more information, refer to FACP Installation Manual.

1.2 Electrical Ratings

- Standby Current: 105mA
- Alarm Current: 175mA

2 Mounting the Cabinet

1. Open the cabinet door, remove the dead front panel screws and open the dead front panel.
2. Remove the AC power and disconnect the backup batteries from the Main Control Panel.
 - When you mount the cabinet on the interior walls, use the appropriate screws such as #10 sheet rock or use the concrete screw to anchor it into the plaster.
 - When you mount the cabinet on concrete, attach a piece of 3/4" plywood to the concrete surface (especially when moisture is expected) and then attach the FIK-LOC2100 to the plywood.

2.1 Surface Mounting

Use the mounting holes in the back of the cabinet to mount the cabinet on the wall surface.

1. Using the dimensions in Figure 2, mark and pre-drill the holes in the wall for the center top keyhole mounting bolts.
2. Place the backbox over the top screw, level or align and secure it.
3. Install the remaining fasteners and tighten the fasteners.

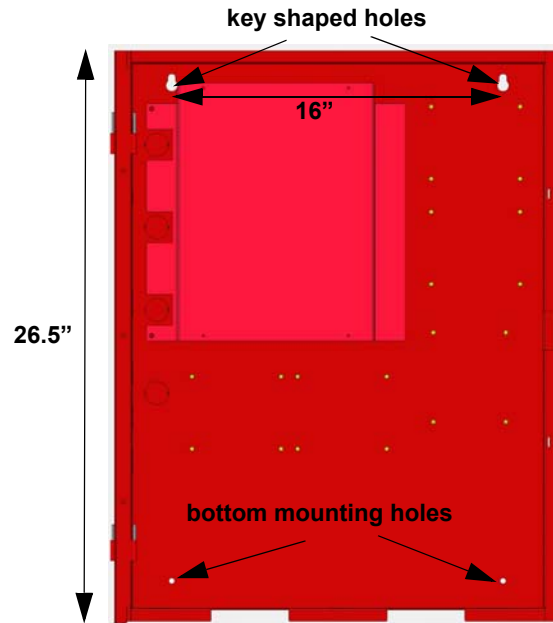


Figure 2 Cabinet Mounting Holes

2.2 Recessed Mounting

To recess mount the cabinet, refer to the following steps.

1. Cut a recess hole.
There should be 1.5" to 1.75" space of the cabinet extending from the wall. This space should be measured from either the top edge or the bottom edge to the exterior side of the sheet rock.
2. To mount the cabinet to the wall studs, insert a screw through the cabinet's side mounting holes and insert it into the wall stud. Then, secure it.
3. To reinstall the doors, first align the top hinge, and then align the lower hinge.

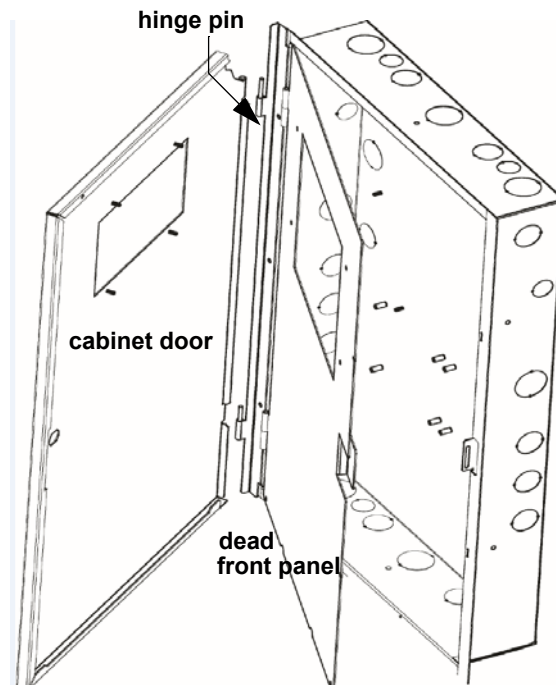


Figure 3 Cabinet Door and Dead Front Panel Removal

2.3 Board Layout

Figure 4 illustrates the FIK-LOC2100 back view of the board.

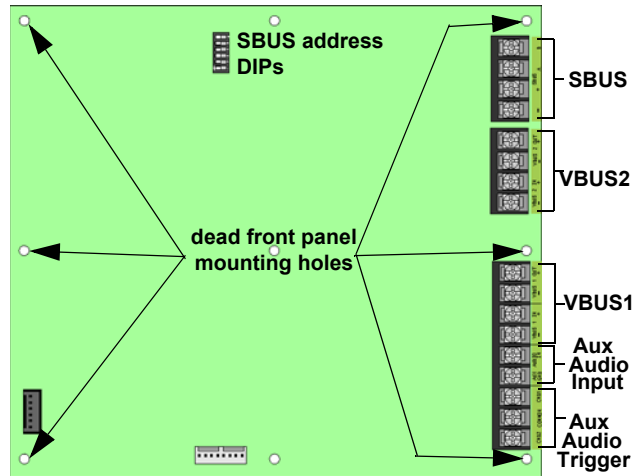


Figure 4 FIK-LOC2100 Board Back View

3 Wiring to an FACP

To properly wire the FIK-LOC2100 to the FACP SBUS, refer to the Figure 5.

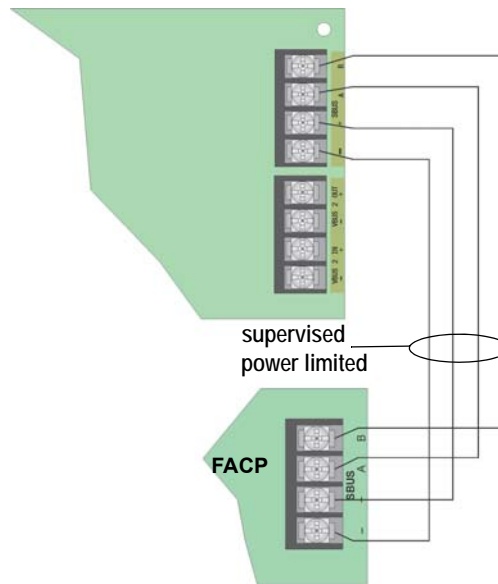


Figure 5 Wiring to the FACP

3.1 Installing the Microphone

To install the microphone, do the following.

1. Insert and connect the microphone into the microphone clip. See Figure 6.

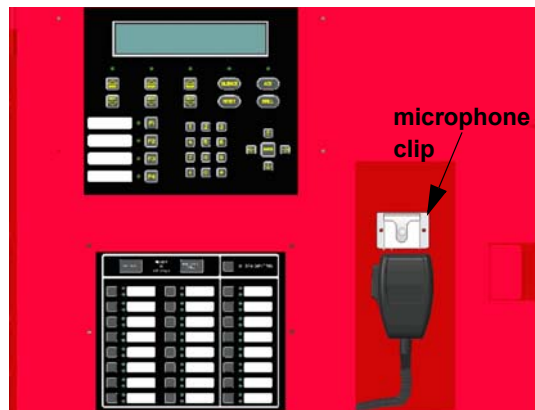


Figure 6 Microphone with the Microphone Clip

2. Insert the microphone cord through the hole on the side of the dead front panel. See Figure 7.

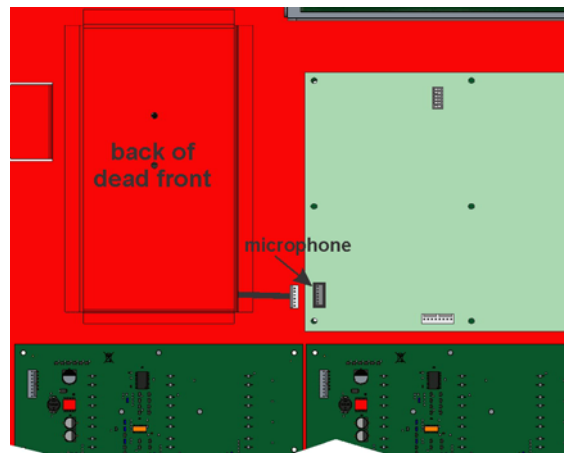


Figure 7 Microphone Cord Inserted Through the Dead Front Panel Hole

3. Attach the strain relief clip to the microphone cord. The strain relief clip should have about 2³/₄” length of the microphone cord through it. See Figure 8.

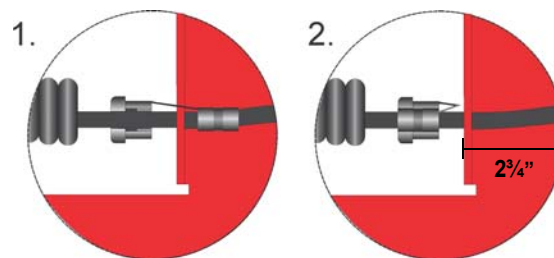


Figure 8 Strain Relief Clip Installation

4. Push the strain into the hole in the dead front panel.
5. Restore the AC power and reconnect the backup batteries.

3.2 Optional Accessory

The optional accessory is the THUMBLTCH - Turn latch lock (it is not intended for UL installations).