General

The LCD-100B-E is a Liquid Crystal Display (LCD) annunciator and remote control for the NOTIFIER® N-6000 Fire Alarm Control Panel (FACP). The LCD-100B-E will mimic the top portion of the N-6000 with 100-character LCD backlit display. This provides the event and preprogrammed custom messages as displayed on the main panel. The unit contains function keys and status LED indicators.
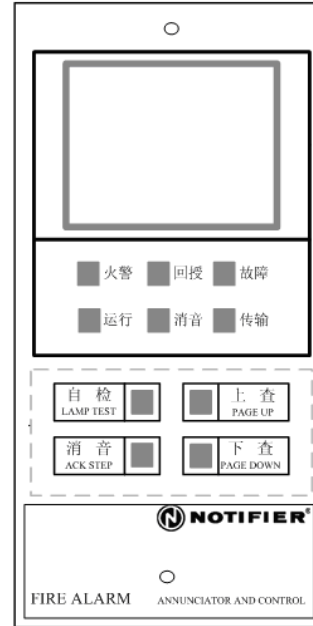
Through the N-ACS communication port, FACP can support up to 32 LCD-100B-E annunciators with 64 / 128 or 256 points/ zones capacity.

The LCD-100B-E has two basic modes of operation by toggle different DIP switches:

- Normal Mode: Provides a remote or local digital display for alarms/ troubles status of preprogrammed points. It provides a vectored annunciation capability. Individual devices/ zones can be installer-defined to only display and print at specific locations.

- Shadow Mode: Repeat another LCD-100B-E signals operating at the same address.

Features

- 100-character (20 characters × 5 lines) Liquid Crystal Display with backlit control.

- Support up to 64 of any mix of LCD-100B-E/64 or LDM-64B; OR any combination with the same number of points in the system.

- Daisy-chain connection with maximum wiring distance 1,800m from the panel by using 1.0mm^2 twisted-pair cable.

- Six Status LED Indicators: Fire Alarm, Signal Silence, Normal, Trouble, Communication and Feedback.

- Four Fixed Function Keys: Lamp/ Self Test,

LCD-100B-E Liquid Crystal Display

Acknowledge/ Signal Silence, Page Up and Page Down.

- Alarm and trouble counter display.

- Alarm and trouble event detail display.

- Local sounder for both alarm and trouble activation.

- Supervisory mode option.

- Can be powered by 24VDC from the panel or by remote power supplies.

- Maximum display up to 256 points.

Specification

- Operating Voltage : 18 ~ 27VDC

- Standby Current: 40mA@24VDC (Backlit off)

- Alarm Current : 70mA@24VDC (All LEDs and Backlit on)

- Operating Temperature : 0 ~ 50 ℃

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- Relative Humidity : 5% ~ 95% RH, non-condensing
- Dimensions: 270mm (H) × 158mm (W) × 17mm (D)

Fixed Function Keys

There are four keys labeled on the front of the LCD-100B-E, operating at all times on all screens unless otherwise noted. The four keys are Signal Silence, Lamp Test, Page Up and Page Down.

- Signal Silence : Press to send a system silence command to the FACP.
- Lamp Test : Press to test the LED indicators.
- Page Up : Press to check the previous alarm, trouble or event.
- Page Down : Press to check the next alarm, trouble or event.

Status LED Indicators

There are two rows of status LED indicators under the LCD, including Fire Alarm, Trouble, Signal Silence, Supervisory.

Wiring

LCD-100B-E requires four wires, two for 24VDC regulated power (BV-2 × 2.5mm^2) and two for the N-ACS communication (RVSP-2 × 1.5mm^2).
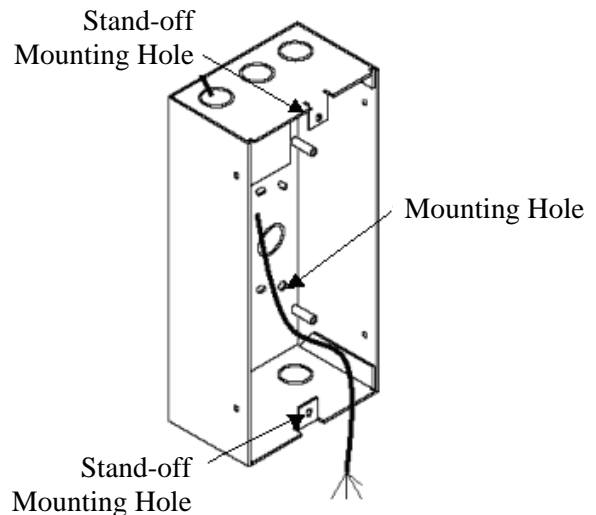
Product Line Information – Surface Mount

- **LCD-100B-E/64 :** Can display up to 64 points/ zones alarms and troubles, occupies one N-ACS address point in FACP. Surface Mounting, including key-locked door and backbox.
- **LCD-100B-E/128 :** Can display up to 128 points/ zones alarms and troubles, occupies two N-ACS address point in FACP. Surface Mounting, including key-locked door and backbox.
- **LCD-100B-E/256 :** Can display up to 256 points/ zones alarms and troubles, occupies four N-ACS address point in FACP. Surface Mounting, including key-locked door and backbox.

Product Line Information – Flush Mount

- **LCD-100B-E/64 :** Can display up to 64 points/ zones alarms and troubles, occupies one N-ACS address point in FACP. Flush Mounting, including key-locked door and backbox.
- **LCD-100B-E /128 :** Can display up to 128 points/ zones alarms and troubles, occupies two N-ACS address point in FACP. Flush Mounting, including key-locked door and backbox.
- **LCD-100B-E /256 :** Can display up to 256 points/ zones alarms and troubles, occupies four N-ACS address point in FACP. Flush Mounting, including key-locked door and backbox.

Stand-off Mounting Hole

Mounting Hole

Stand-off Mounting Hole

250mm (H) × 138mm (W) × 61mm (D)

LCD-100B-E Backbox