

# FDU-80C

## 80 Character Liquid Crystal Display



Annunciators

### General

The **FDU-80C** is a compact, cost-effective, 80-character, backlit LCD remote Fire Indicator for use with the NOTIFIER NFS2-640 and NFS-320C Fire Alarm Control Panels (FACPs). The FDU-80C mimics the display of the control panel and displays complete system point status information.

Up to 32 FDU-80Cs may be connected onto the EIA-485 terminal port of each FACP. The FDU-80C requires no programming, which saves time during system commissioning.

### Features

- 80-character Liquid Crystal Display.
- Mimics all display information from the host panel.
- Control switches for local piezo silence and lamp test.
- System status LEDs for Power, Alarm, Trouble, Supervisory and Alarm Silenced.
- No programming necessary — FDU-80C connects to the terminal port on the FACP.
- Displays device type identifiers, individual point alarm, trouble or supervisory, zone and custom alpha labels.
- Time-and-date display field.
- Aesthetically pleasing design.
- May be powered from the host FACP or by remote power supply (requires 24 VDC).
- Up to 32 FDU-80C annunciators per FACP.
- Plug-in terminal blocks for ease of installation and service.
- Can be remotely located up to 1828.8 m from the FACP.
- Local piezo sounder with alarm and trouble resound.
- Semi-flush mounts to 5.556 cm minimum deep, three-gang electrical box (NOTIFIER P/N 10103) or three-gangable electrical switchbox.
- Surface-mounts to NOTIFIER SBB-3 surface backbox.

### Operation

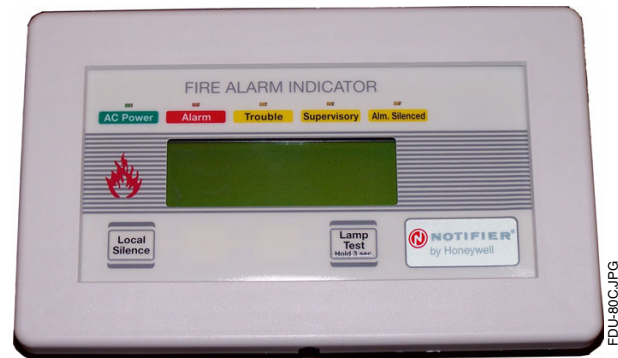
The FDU-80C annunciator provides the FACP with point annunciation with full display text on an 80-character LCD display. The FDU-80C also provides an array of LEDs to indicate system status.

The FDU-80C provides the FACP with up to 32 remote serially connected annunciators. All field-wiring terminations on the FDU-80C use removable, compression-type terminal blocks for ease of wiring and circuit testing.

Communication between the FACP and the annunciators is accomplished over an EIA-485 serial interface, which greatly reduces wire and installation cost over traditional systems. Six wires total are required: four for the EIA-485 communications (two in and two return); and two for the 24 VDC regulated power. Dip switches control local functions such as: piezo disable, and transmit/receive mode.

### Installation

The FDU-80C can be semi-flush mounted to a 5.556 cm minimum deep, three-gang electrical box or three-gangable electrical switchboxes. Alternately, an SBB-3 surface backbox is available for surface-mount applications.



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### Product Line Information

**FDU-80C:** 80 character, backlit, LCD Fire Indicator with control switches for remote control of system functions, and key-switch lock.

**10103:** Three-gang electrical box, minimum 5.556 cm deep, for semi-flush mount applications.

**SBB-3:** Three-gang surface backbox for surface-mount applications.

### Agency Listings And Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **ULC Listed:** S635

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