# Cerberus™ PRO Fire Safety System

## Operating Interface Units
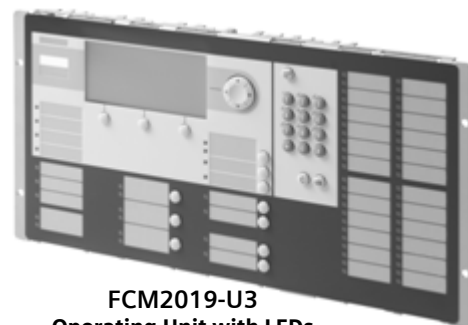
### Models FCM2018-U3 and FCM2019-U3

#### ─── ARCHITECT AND ENGINEER SPECIFICATIONS ───

- Multi-use, main-system interface modules
  - *Power*, *Alarm*, *Gas Alarm*, *Supervisory*, *Silenced*, *Ground Fault*, *Audibles On*, and *Trouble* system-status LEDs —> with *Alarm* as having a larger, distinctive LED
  - Partial-system disable LED
  - Audible Status LEDs ('On' and 'Silenced')
  - 10 configurable LEDs
  - Model FCM2019-U3 contains one (1) set of 48 light-emitting diodes(LEDs)
- System-control menus
  - Context-sensitive 'Help' menu
  - Four-way navigation buttons and extended-views capability
- Ethernet-port connectivity for system configuration and Firmware-software transfers
- 2"—x— 4-3/4", back-lit liquid-crystal display (LCD)
- Global annunciation and control capability
- Alphanumeric pad
- User-prompted large softkey buttons for multi-programming options and system-control operating sequence
  - Seven (7) spare user-programmable buttons
  - Slide-in labels appear adjacent to system-operation buttons
- ®UL 864 9th Edition Listed;
  FM, CSFM and NYC Fire Department Pending

**FCM2018-U3**
**Standard Operating Unit**

**FCM2019-U3**
**Operating Unit with LEDs**

## Product Overview

The Operating Interface Units (Models FCM2018-U3 and FCM2019-U3) function as the operator interfaces and central microprocessors for the Cerberus PRO fire-alarm control panels (Models FC922 and FC924), as well as the Fire Terminal (Model FT924).

The Model FCM2018-U3 and Model FCM2019-U3 modules provide multi-use capability for each end-user to efficiently 'Acknowledge' events; to quickly control the notification-appliance circuits (NACs) of the corresponding fire alarm control panel (FACP), and to permit a manual reset of the respective system. Detailed information about the nature and location of the events can also be displayed, via a 2"—x— 4-3/4", backlit LCD screen.

Models FCM2018-U3 and FCM2019-U3 contain the site-specific program configuration created in the custom-configuration tool.

## Specifications

Models FCM2018-U3 and FCM2019-U3 contain a 2"—x— 4-3/4", backlit LCD screen and LEDs for displaying system-status data. An audible sounds when there are 'unacknowledged' events on either Model FCM2018-U3 or Model FCM2019-U3.

Just below the LCD screen are three (3) user-programmable softkey buttons that are used to control the displayed information and to navigate through these screens. Keys are provided for entering into the menu features of each interface module. To the right of the LCD is the four-way navigation-menu button, allowing the end-user to scroll through the list of events.

Each Cerberus PRO system is operated and controlled from either one of these units, which uses support buttons for system-operation commands: *Acknowledge; Silence Audibles; Unsilence Audibles*, and *Reset*. Model FCM2019-U3 contains one (1) extra set of 48 LEDs.

# Specifications – (continued)

Models FCI2016-U1 and FCI2017-U1 provide connection for power and communication of the periphery boards.

With the use of the custom-configuration tool, Models FCM2018-U3 and FCM2019-U3 can provide global functionality by annunciation and control of multiple Cerberus PRO systems.

The display screen for each interface module categorizes events by type, providing a separate event tab for *Fire Alarm*, *Gas Alarm*, *Supervisory*, *Trouble* and *Test* events.

Each event can have a custom message of up to 40 characters describing the event's location. In addition to the text message, the system displays the category of the active event: (e.g. – *Automatic Alarm*, *Water Flow*, *Manual*, etc) – the category means more to responding officials than model numbers.

Up to two (2) events can be displayed at a time. When more than two (2) events are present, the four-way navigation-menu buttons allow the end-user to scroll up and down the list of events. A progress meter on the right side of the list indicates the size of the list of events and the location in the list. New, 'unacknowledged' events are indicated by a flashing exclamation point ('!'). Once 'acknowledged', the exclamation point changes to a non-flashing check mark ('√').

Once beyond the password-protected initial screen in 'Menu' view, system-configuration functions allow the end-user to enable, disable, or test alarms; activate / deactivate switches; report, control and maintain data. The softkey buttons allow the end user to scroll down, allowing for further information to be displayed on a given event. This data can be vital to an authority-having-jurisdiction (AHJ), or any fire official responding to an *Alarm* system command.

Models FCM2018-U3 and FCM2019-U3 also provide a complete menu for generating system-status reports.

The menu system is designed for easy steering through the entire system to locate the area of the desired system (in either the 'Hardware Tree' or 'Control Tree' views) – all accomplished without having to know either the module or device addresses.

Once the end-user selects the Maintenance Menu, the respective operating interface unit will be enabled, prompting the user to enter a password. System control within the Maintenance Menu uses large, easy-to-read softkey buttons.

Each interface module provides the user with seven (7) extra programmable buttons that can be programmed for a variety of usages. Models FCM2018-U3 and FCM2019-U3 mounts to the inner door of the enclosure (Model FHD2004-U1).

Each interface module supports the following optional modules:

- C-WEB network module for 'peer-to-peer' networking of Cerberus PRO fire alarm systems
- RS–485 module (Model FCA2016-A1) for connection to remote-display terminals (RDTs) and / or remote peripheral modules (RPMs) for printers

The Maintenance Menu contains options for adjusting the contrast and brightness for the LCD screen, as well as supplying several ports for diagnostics and system-configuration programming.

## Temperature and Humidity Range

Operating Interface Units are ®UL 864 9th Edition listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% a temperature of 90+/-3°F (32+/-2°C).

## Details for Ordering

| Model Number | Part Number | Description |
|---|---|---|
| FCM2018-U3 | S54400-C40-A2 | Operating Interface Unit for the Cerberus PRO Fire Safety system |
| FCM2019-U3 | S54400-C41-A2 | Operating Interface Unit [with LED module] for the Cerberus PRO Fire Safety system |