Cerberus® PRO Modular System

Operator Interface
Model FCM2041-U3

Architect & Engineer Specifications

☐ Main-operator interface with user-prompted lighted, large buttons for system control, operating sequence

☐ Large, 6-inch (15.2 cm) color display

☐ Touch-screen driven, system-control menus
  - Context-sensitive `Help' button
  - Navigation buttons and `More Info'
  - Additional tabs , including queues for mass notification (MNS)

☐ Go-to-beginning; go-to-end queue buttons

☐ Front-end light-emitting diodes (LEDs) for `Alarm' | `Supervisory' | `Trouble' commands
  - Partial-system disable LED
  - Audible Status LEDs (ON and Silenced)

☐ Global annunciation and control capability

☐ Integrated slots for switch-control (Model SCM-8) and LED-control (Model LCM-8) modules

☐ Mounts in any of one (1) of the following enclosures:
  - Model CAB1 (smallest cabinet)
  - Model CAB2 (medium cabinet)
  - Model CAB3 (largest cabinet)
  - Model REMBOX2 (two-module remote enclosure)
  - Model REMBOX4
  - (four-module remote enclosure)

☐ 40 software-programmable `User Macro' switches

☐ UL864 & CAN / ULC-S576 Listed

Product Overview

The Operator Interface (OI), Model FCM2041-U3, is the central processor and user interface for each Cerberus PRO Modular system. Model FCM2041-U3 provides straightforward, front-end access for an end-user to perform system tasks, such as: acknowledge events; control addressable points (e.g. – intelligent detectors | notification appliance circuits [NACs]), and reset the system.

In terms of hardware used for Cerberus PRO Modular, Model FCM2041-U3 Operator Interfaces can be mounted in full-size CAB1 | CAB2 | CAB3 enclosures.

Additionally, remote, multi-module-mounted enclosures for Cerberus PRO Modular, Models REMBOX2 and REMBOX4, can each house one (1) Model FCM2041-U3 OI.

It is through the custom-configuration software tool, *Zeus-C*, that Model FCM2041-U3 OIs are able to provide programmed logic and panel supervision.

Specifications

Each Cerberus PRO Modular Operator Interface contains a full liquid-crystal display (LCD) at the front end. An audible sounds from a Model FCM2041-U3 operating unit when there are unacknowledged events. The display is surrounded by keys that are used to control the displayed information and to navigate through these screens. Keys are also readily available in order for the end user to obtain help information, as well as to enter into the menu features of a Model FCM2041-U3 OI.

Additional diagnostic displays can be found at the back end of each Model FCM2041-U3 to provide efficiency to the end-user in troubleshooting the Cerberus PRO Modular fire-alarm control panel (FACP).

A 40-inch (1.02m) long 60-pin wire cable, **P/N 555-133743**, is used to connect a Cerberus PRO Modular Operator Interface, Model FCM2041-U3 to the Siemens five-slot card cage, Model CC-5.
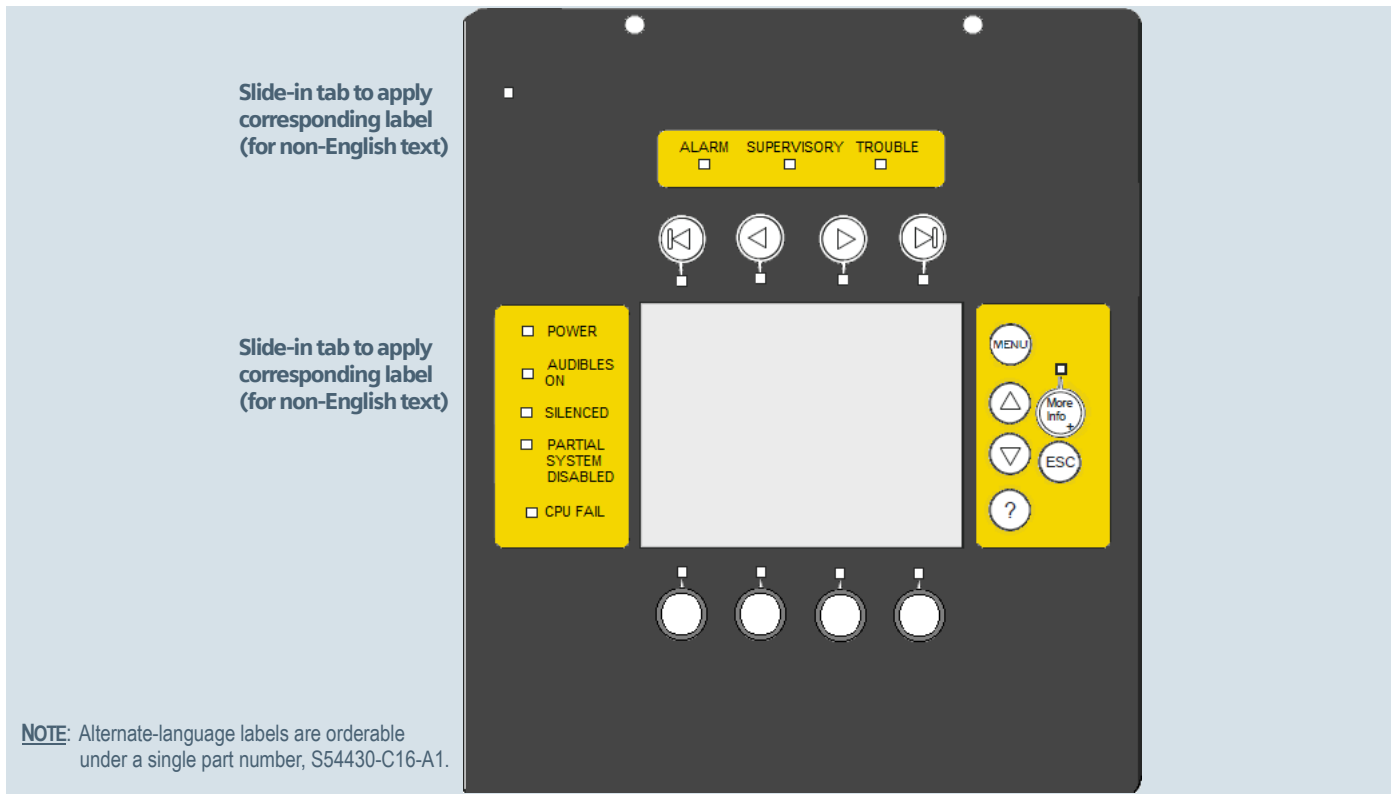
Slide-in labels are orderable under a single part number for applications that require French (Canadian) | Spanish | Portuguese-Brazilian text.

<u>NOTE:</u> Alternate-language labels are ordered separately.

Model FCM2041-U3
Operator Interface Unit
mounted in a Model CAB1 enclosure

Slide-in tab to apply corresponding label (for non-English text)

Slide-in tab to apply corresponding label (for non-English text)

ALARM   SUPERVISORY   TROUBLE

POWER
AUDIBLES ON
SILENCED
PARTIAL SYSTEM DISABLED
CPU FAIL

MENU
More Info +
ESC
?

NOTE: Alternate-language labels are orderable under a single part number, S54430-C16-A1.

Model FCM2041-U3
Cerberus PRO Modular Operator Interface

Operation

In normal **|** standby condition, a Model FCM2041-U3 OI displays the site-specific, customized message, the time and date, and a rundown of the system status.

When an event occurs in the system, the display enters the `Alert' mode.  The event is displayed, the local audible sounds, and the tab on the display for the corresponding event queue flashes.  If the system-event type is `Alarm' **|** `Trouble' **|** `Supervisory', the appropriate LED blinks. If the event caused notification appliances to sound the `Audibles On' indicator illuminates.  At the bottom of the screen, an `Acknowledge' button is subsequently displayed.

Pressing this button acknowledges the event and silences the local audible. Once all events are acknowledged, a reset button becomes available in the lower right side of the display. If notification appliances are active, two (2) additional buttons appear at the bottom of the screen.

These buttons subsequently allow the operator to silence or unsilence the notification appliances. When the notification appliances are silenced, the `Audibles Silenced' LED illuminates.
The system can only be reset with the notification appliances silenced.

Up to five (5) events can be displayed at a time. For Canadian operation, nine (9) events are shown. When more than five (5) events are present, the up-and-down arrow keys allow the user to vertically scroll the list of events. A progress meter on the 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 checkmark (✔).

Pressing the `More Info' button will display a screen showing details relating to the selected event. Other buttons also appear at the bottom of this screen. There is an expanded text message available, as well as a selection to show all of the devices associated with the event that are active.

The operator can return to the previous screen by pressing the **ESC** button.

NOTE: Refer to installation manual: **P/N – A6V11231629** for the most detailed information on the Cerberus PRO Modular Operator Interface.

Cerberus PRO Modular Operator Interfaces are UL Listed | ULC Listed. Environmental operating conditions for each Model FCM2041-U3 operator interface is 32°F (0°C) to 120°F (49°C) with a relative humidity of no greater than 95%, non-condensing.

Electrical Ratings

INPUT POWER:	24V Back Plane Current	195mA
	Screw Terminal 24V Current	0
	6.2V Back Plane Current	0
	24V Standby Current	125mA
OUTPUT POWER:	Each HNET / XNET - and - CAN Network Pair	8V peak-to-peak, max.
		75mA, max. (during message transmission)

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
FCM2041-U3	S54430-C18-A1	Cerberus PRO Modular Operator Interface

Cerberus® PRO

SIEMENS