Cerberus® PRO Modular

Switch-Control Module **|** LED-Control Module **|** Fan-Control Module

Models SCM-8, LCM-8 and FCM-6

Architect & Engineer Specifications

☐ **Eight (8) programmable switches (Model SCM-8)**

☐ **Six (6) sets of the push-button, programmable fan-control switches (Model FCM-6)**

☐ **Multi-color light-emitting diodes (LEDs) for clear indication of system status**

☐ **Manual `ON' | `OFF' | `Automatic' positions**

☐ **LED indication of fan status (`ON' / `OFF' / `Trouble')**

☐ **Protected space provided for labeling**

☐ **LED indication of fan status (`ON' / `OFF' / `Trouble')**

☐ **Programmable LED annunciation**

☐ **Remote mounting in Model REMBOX2 or REMBOX4 enclosures**

☐ **Supervised positive system feedback**

☐ **Protected label provided**

☐ **Modular**

☐ **Activation-stagger timer**

☐ **UL864 & CAN / ULC-S576 Listed**

Product Overview

Model SCM-8

Model SCM-8 is a Siemens Cerberus PRO Modular system option module that provides manual control of the emergency voice-evacuation or manual fire-system control. Each Model SCM-8 module provides eight (8) momentary push-button switches and 16 light-emitting diodes (LEDs) to indicate their status.
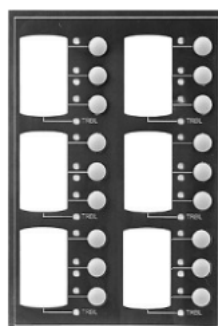
Each switch is assigned two (2) LEDs and a label to indicate the switch's programmed usage. The label slides behind a clear, protective membrane. One of the LEDs assigned to each switch is a dual-color LED used to indicate what type of signal is active. This LED may also be lighted steady or flashing to further indicate system status.

For example, zones active to the evacuation audio channel will have the LED lighted RED and steady; zones active to the `Alert' audio channel will have the LED lighted RED and flashing; zones selected for paging will have the LED lighted GREEN and flashing until the microphone key is pressed.
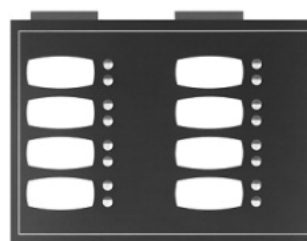
When the zone-transfer confirmation message is received by the Cerberus PRO Modular system-command console, the LED will change to steady GREEN, indicating that it is clear to page. Telephone zones with an incoming call in progress will have an LED flashing GREEN until selected at the command console – at which time the LED will change to steady GREEN, etc. This process allows the operator easy, clear access to the overall system condition at all times. The second LED is AMBER, and is used to indicate a fault condition.

Each Model SCM-8 switch module is fully programmable, and may be used to control speaker circuits and a wide range of general system functions such as: `All Call', `All Evac', `Warden's Page', `Speaker', etc. Any number of circuits may be grouped and controlled by a single switch. Switch usage and zone groupings are assigned using the Z*eus-C* system programming software.
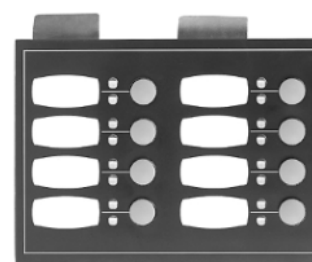
Each Model SCM-8 module is mounted on a hinged panel as a part of the Cerberus PRO Modular system command console enclosure.

Model FCM-6
Fan-Control Module

Model LCM-8
LED-Control Module

Model SCM-8
Switch-Control Module

LCM-8

Model LCM-8 is a Cerberus PRO Modular system option module that provides LED annunciation of system activity. Each Model LCM-8 module contains eight (8) groups of two (2) LEDs – each of which can be assigned to desired outputs using the *Zeus-C* programming software. Eight (8) LEDs are capable of being lighted either RED or GREEN (flashing or steady). The remaining LEDs are AMBER (flashing or steady).

A space is provided for labeling of LED functions. The label slides behind a clear, protective membrane. Model LCM-8 dimensions are identical to Model SCM-8, and Model LCM-8 is mounted on the same hinged panel as a part of the Cerberus PRO Modular system command console enclosure. Any combination of Models SCM-8 and LCM-8 modules may be used.

FCM-6

Model FCM-6 is a Cerberus PRO Modular system command-console option module that provides manual control of building heating | ventilation | air-conditioning (HVAC) system fans and dampers. Each Model FCM-6 module provides six (6) sets of three (3) push-button switches for manual system control. Each switch has three (3) associated LEDs to indicate Fan / Damper status: `OFF' (RED LED), `ON' (GREEN LED), `TROUBLE' (YELLOW LED).

When in the automatic position, the RED and GREEN LEDs indicate Fan / Damper status (`ON' / `OFF') based on the system logic that can be programmed to automatically control the fan outputs.

When manually switched to the `OFF' position, the RED LED will flash, indicating the output circuit used to turn off the Fan / Damper has activated. The RED LED will light a steady stream of RED to indicate positive feedback of the Fan / Damper actually turning off (via a monitored input). When manually switched to the `ON' position, the GREEN LED will flash, indicating the output circuit used to turn on the Fan / Damper has activated. The GREEN LED will light to a steady GREEN to indicate positive feedback of the Fan / Damper actually turning on (via a monitored input.)

SWITCH POSITION	LED INDICATORS	DESCRIPTION
AUTO	OFF: RED Solid	Based on System Logic Driving Outputs
	ON: GREEN Solid	
ON	GREEN Flashing	Command Sent to Turn On Outputs
	GREEN Solid	Output is ON – Positive Feedback Received (that output is powered / On)
OFF	RED Flashing	Command Sent Out to Turn Off Outputs
	RED Solid	Output is OFF – Positive Feedback Received (that output is turned Off)

During system reset – when switches have been manually set to the `ON' or the `OFF' position – their associated outputs do not change state. The switches stay either `ON' or `OFF' – based on the position of the switch. Outputs will only change state when manually controlled via the `ON' / `OFF" switch or based on system logic when switch is in the `Auto' position.

Each Model FCM-6 module is mounted on a hinged panel as a part of the Cerberus PRO Modular system command console enclosure. Any combination of Model SCM-8 | Model LCM-8 or Model FCM-6 modules may be mounted on the inner-door mounting plate (Model ID-MP). A six-conductor cable is supplied for interconnection of the modules. A 30-inch (76.2 cm.) cable (Model CCL) is available for connection between rows.

Models SCM-8, LCM-8, and FCM-6 may be remotely mounted up to 1,000 feet (305 meters) from the main enclosure. The Model REMBOX2 and REMBOX4 lobby enclosures are required for remote mounting of a Model SCM-8 | LCM-8 and FCM-6. The CAN sounder board (Model CSB) is optionally available for audible feedback for remote mounting applications.

Temperature and Humidity Range

Products are UL 864 10th 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% at a temperature of 90+/-3°F (32+/-2°C).

Electrical Ratings

24V Current Draw: [Back Plane]	0
24V Current Draw: [Screw Terminal]	14mA Max + 1mA (per active LED)
6.2V Current Draw: [Back Plane]	0
24V Current Draw: [Standby]	14mA Max + 1mA (per active LED)

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
FCM-6	500-033140	Fan Control Module Switches (ON | OFF | AUTO)
LCM-8	500-033100	LED Annunciator Module (eight [8] LED sets)
SCM-8	500-033040	Switch Module (eight [8] switches)
BCM	599-033320	Blank Plate
CCL	599-634214	CAN Cable – 3 Feet (0.91 Meter) Long, Required
CSB	500-033130	CAN Sounder Board
ID-MP	500-633027	Inner Door Mounting Plate (accepts up to four [4] modules)

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