

# FMR-1000-RCMD Remote Command Center

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- ▶ LED status indicators
- ▶ 80-character LCD display
- ▶ Piezo sounder
- ▶ Navigation buttons
- ▶ Operations keys for drill, reset, silence, and acknowledge

The FMR-1000-RCMD Remote Command Center is a four-conductor LCD annunciator with system control capability for use with FCP-1000 Analog Addressable Fire Panels. It shows the equivalent LEDs and LCD display and includes a piezo sounder, navigation buttons, and operation keys for drill, reset, silence, and acknowledge. The navigation functions and the acknowledge key are accessible without restriction—even when wearing fireman gloves. The keys for reset, silence or drill can be enabled and disabled by the device key lock, or the key lock can be disabled to provide full access to the the controls.

## Functions

### Display

The Remote Command Center uses an 80-character (4 lines X 20 characters) wide viewing-angle LCD display. The display includes a long-life LED backlight. The backlight is controlled by the panel, or locally turned on upon any key press and turned off after a 30 sec timeout without key press. Even when AC power is lost, the LED backlight is still turned on if a user is operating the keypad.

**System Normal:** When no alarms or troubles exist in the system, the Power LED lights steadily, and no other LEDs are lit. The LCD display shows two banner lines, the system status line, and the date and time.

**System Off-normal:** If any off-normal condition exists, the panel displays the number of off-normal conditions classified in groups. Groups include fire alarm, gas alarm, supervisory, and trouble. The panel holds up to 255 events for each group at a time. Any restored event is deleted from the list.

### Piezo Sounder

The Remote Command Center has a piezo sounder that provides audible indication of the system status. In case of multiple activation, the system status with highest priority is indicated.

### Operation Keys

The Remote Command Center has four operation keys: **Acknowledge:** The acknowledge key is accessible without restriction. During an alarm, pressing the key turns off the piezo sounder that is sounding on an annunciator.

**Drill:** The Drill key can be enabled and disabled by the device key lock. Drill operation is not available if any fire alarm or supervisory conditions exist. Upon drill operation, a Drill Start Report is logged into the

history and, if so programmed, the report is transmitted to the central station. All unbypassed NACs turn on and play the patterns programmed for them. When the drill operation stops, all activated NACs turn off and a Drill Stop Report is logged into the history and, if so programmed, the report is transmitted to the central station. A system reset is automatically performed by stopping the drill so that the panel and all field devices restore to their normal operation.

**Reset:** The Reset key can be enabled and disabled by the device key lock. When reset operation is initiated, the piezo sounders and activated or silenced outputs turn off; all alarm, supervisory, and troubles caused by activation of SLC points are cleared; and then the control panel tries to reset all points that are in off-normal status. Not all system trouble conditions are affected by reset operation. Any input points remaining off-normal are re-indicated after reset. Reset operations are logged into the history and, if so programmed, the control panel transmits a reset report to the central station.

**Silence:** The silence key can be enabled and disabled by the device key lock. When the silence operation is initiated, the "Silenced" LED turns on, the panel goes into a "Silenced" status, and the piezo sounders on all keypads and annunciators turn off.

## Certifications and approvals

Region	Certification	
USA	UL	FSYE: Emergency Alarm System Accessories (ANSI/UL 2017), UOXX: Control Unit Accessories, System (ANSI/UL 864, 9th edition) FSYE, UOXX
	CSFM	see our website
	FDNY-CoA	#6101

## Installation/configuration notes

### Mounting Considerations

The Remote Command Center, which incorporates a built-in level, can be surface mounted in the supplied back box or flush mounted using a 3-gang electrical box.

### Wiring Considerations

Use four conductor, 18 AWG (ISO 0.75 mm<sup>2</sup>) or larger wire to connect the Remote Command Center to the Option Bus of the FACP. The total length of wire connected to the Option Bus terminals must not exceed 4000 ft (1219 m), regardless of the wire gauge used. For detailed wire length calculations, see the *FPA-1000 Installation and Operation Guide*.

## Parts included

Quant.	Component
1	Remote Command Center in back box with cover frame

Enclosure lock and two keys<sup>1</sup> (replacement key: D102)

Tabs with different language versions for LED and key text

1	Hardware pack
1	Literature - Installation and Operation Guide

<sup>1</sup> Key code stamped on both lock and key

## Technical specifications

### Electrical

Voltage (operating):	12 VDC or 24 VDC nominal
<b>Current Consumption at 12 VDC</b>	
Alarm:	150 mA maximum (with annunciator lit and piezo sounder on)
Stand-by:	25 mA maximum (only Power LED on)
<b>Current Consumption at 24 VDC</b>	
Alarm:	120 mA maximum (with annunciator lit and piezo sounder on)
Stand-by:	30 mA maximum (only Power LED on)

### Environmental

Environment:	Indoor, dry
Environment Friendly:	RoHS compliant
Protection Class:	IP 30 per IEC 605029
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	+32°F to +120°F (0°C to +49°C)
Temperature (storage):	-4°F to +140°F (-20°C to +60°C)

### Mechanical

#### Operating and Display Elements

LCD:	4-line x 20-character display, backlit
LEDs:	Six: Fire Alarm (red); Gas Alarm (blue); Power (green); Supervisory, Silenced, and Trouble (3 x yellow)
Keys:	Acknowledge key, 4 navigation keys
Sounder:	Built-in piezo sounder

#### Housing

Material:	ABS-FR
Color:	Red

#### Dimensions (W x H x D)

• Back box	7.40 in x 4.41 in x 1.89 in. (188 mm x 112 mm x 48 mm)
• Cover frame:	7.40 in x 4.41 in x 2.40 in. (188 mm x 112 mm x 61 mm)
Weight:	15.2 oz (430 g)

**Wiring**

Cable Entries:	3 knockouts for ½ in. diameter conduit connectors on back, bottom and top side
Connections:	4 terminals
Wire Gauge:	12 AWG to 18 AWG (ISO 0.75 mm <sup>2</sup> to 4 mm <sup>2</sup> )
Wire Type:	Non-shielded, four conductor wire

**Ordering information**

**FMR-1000-RCMD Remote Command Center**

LCD annunciator with system control capability for use with FPA-1000 Analog Addressable fire Panels

Order number **FMR-1000-RCMD**

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