

# FMR-1000-RA Remote Annunciator

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- ▶ LED status indicators
- ▶ 80-character LCD display
- ▶ Piezo sounder
- ▶ Navigation buttons
- ▶ Acknowledge key

The FMR-1000-RA Remote Annunciator is a four-conductor LCD annunciator without system control capability. It shows the equivalent LEDs and LCD display. It includes a piezo sounder, navigation buttons, and acknowledge key. The navigation functions and the acknowledge key are accessible without restriction.

The Remote Annunciator features tabs with different language versions for LED and key text. The housing includes a built-in level and allows for surface and semi-flush mounting.

## Functions

### Display

The Remote Annunciator 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 Annunciator 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.

## 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)
	CSFM	see our website
	FDNY-CoA	#6101

## Installation/configuration notes

### Mounting Considerations

The Remote Annunciator can be surface mounted in the supplied back box or flush mounted using a 3-gang electrical box.



#### Notice

The annunciator should be mounted no higher than shoulder height of the shortest person operating the system.

### Wiring Considerations

Use four conductor, 18 AWG (ISO 0.75 mm<sup>2</sup>) or larger wire to connect the Remote Annunciator 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 annunciator in back box with cover frame Tabs with different language versions for LED and key text
1	Hardware pack
1	Literature – Installation and Operation Guide

## Technical specifications

### Electrical

Voltage (operating):	12 VDC or 24 VDC nominal
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#### Current consumption at 12 VDC

Alarm:	150 mA maximum (with annunciator lit and piezo sounder on)
Stand-by:	25 mA maximum (only Power LED on)

#### Current consumption at 24 VDC

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-RA Remote Annunciator

LCD annunciator without system control capability for use with the FPA-1000 Analog Addressable Fire Panels  
Order number **FMR-1000-RA**

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