FMR-1000-RA Remote Annunciator

www.boschsecurity.com

BOSCH
Invented for life

- 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^2) 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
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
Wre Gauge:	12 AWG to 18 AWG (ISO 0.75 mm^2 to 4 mm^2)
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**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

© Bosch Security Systems 2014 | Data subject to change without notice
2690420491 | en, V6, 23. Jul 2014