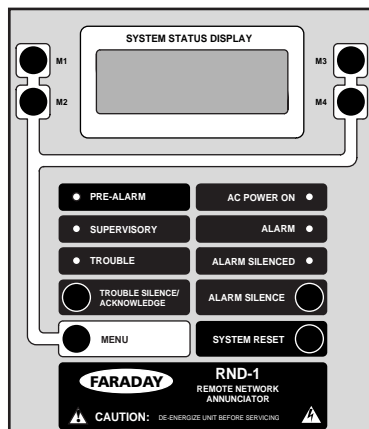# Model RND-1 Remote Network Annunciator

Features

- 80 character, alphanumeric backlit display

- Annunciates and stores all MPC-Net network activity

- Up to 16 RDC-1 annunciators may be attached

- Provides global reset, alarm silence and acknowledge

- May be placed anywhere on network

- Globally disable software zones and signals

- Can remotely log on to any panel on the network

- Semi-flush mounting option

- UL listed, CSFM and MEA pending

RND-1 Annunciator

Description

The **RND-1** is designed to annunciate network events (alarms, troubles and supervisories) on a MPC-Net network. It is capable of scrolling through network events, while acknowledging these events either globally or from the RND-1 only. Alarms may also be silenced globally. There is also the ability to reset all panels on the network or just the RND-1. Also, a network event history can be retrieved.

The RND-1 can log on to any panel on the network. At that point, access to user and maintenance levels for that panel are available at the RND-1.

The 80-character display is used to display event data, including alarms and troubles, identification of zone or device, and presentation of history. The display is controlled by a set of four push-button switches commanding the control processor. A back light is included in the display to assure visibility in low light, but to conserve power, it is only activated during a reported event or on operation of a display control switch.

Individual LEDs on the panel are provided to indicate System Alarm, Pre-Alarm, Supervisory, Alarm Silenced, System Trouble and AC Power ON. Direct push-button controls are provided for Alarm Silence, Trouble Silence/Acknowledge, Menu and System Reset.

Up to 16 **RDC-1** (12506) remote annunciators can be slaved off one RND-1. The RDC-1 duplicates the display and control functions of the RND-1. It requires a (12523) NIB board for connection to the MPC-Net.

General Specifications

Environmental
Operating temperature: 32-120°F (049°C)
Relative humidity: Up to 85% @ 86°F (30°C)

Primary Supply
Primary Input Voltage: 120 VAC (60 Hz) nominal
Maximum primary input current: 1.3A @120 VAC

Secondary and Trouble Power Supply
24 volt lead-acid battery set:
Maximum Charge Voltage: 27.8 VDC
Maximum Charge Current: 1.0 A
Maximum Input Current: 3.5A
Battery capacity: 7-38 AH (over 7 AH requires separate enclosure)

Auxiliary Power Outputs

Current:
0.5 amp maximum available for auxiliary power outputs, RS485 circuit and option boards – 0.4 amp maximum per power output
Non-Resettable Power Outputs
Power limited Voltage: 24 VDC nominal
Ripple: 1.5 VAC maximum
Resettable Power Output
Power limited
Voltage: 24 VDC nominal
Ripple: 1.5 VAC maximum

Status Relays

Includes alarm, supervisory and trouble.
Contact Rating: 1 A, 28 VDC maximum, resistive
Form "C" Contact

RS485 Communications Circuit

Power limited
Supervised
Voltage: 24 VDC nominal
Current: 0.5 amp maximum available for auxiliary power outputs, RS485 circuit and option boards – 0.4 amp maximum for RS485 circuit
Maximum wire loop resistance: 25 ohms/line
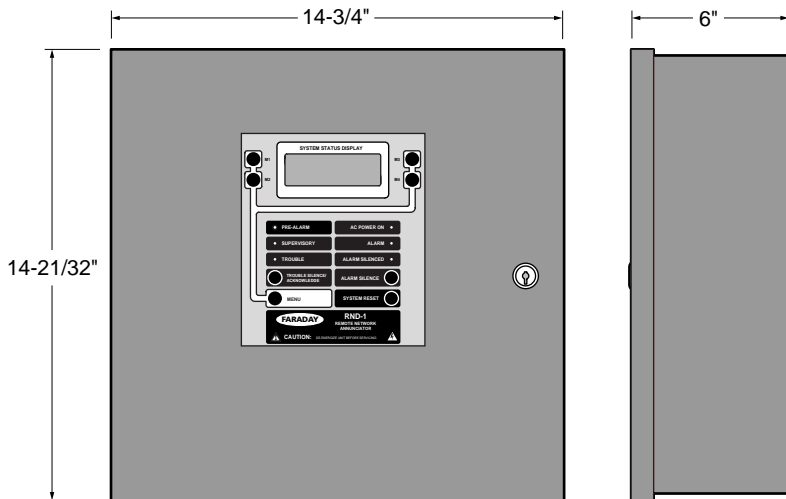Communications: RS485

RS232 Output

Power limited
Supervised
Voltage Range: -15 VDC to +15 VDC
Maximum Current (shorted): 0.050A
Baud Rate: 4800
Maximum wire loop resistance: 25 ohms

Dimensions

Typical Wiring

For wiring and installation instructions, see Owner's Manual p/n 447241 and MPC-Net Manual p/n 447259.

Ordering Information

Order No	Spec Sheet	Description
12529		RND-1 remote annunciator
12523	FAC-14	NIB network interface board

Accessories

15216		Semi-flush trim, red
12506-0-14	FAC-9	RDC-1 LCD annunciator