

Model RND-1 Remote Network Annunciator

Features

- 80 character, alphanumeric backlit display
- Annunciates and stores all MPC-Net network activity
- Up to 16 RDC-2 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, CSFM and MEA listed

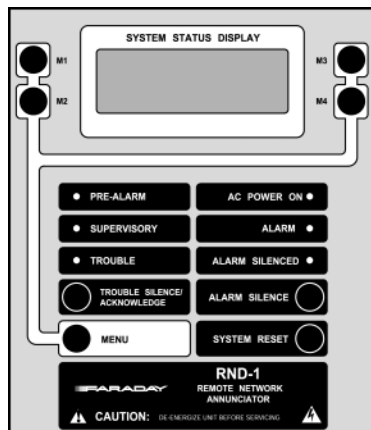


Description

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-2 remote annunciators can be slaved off one RND-1. The RDC-1 duplicates the display and control functions of the RND-1.

General Specifications

Environmental

- Operating temperature: 32-120°F (0-49°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: 27.8VDC
- 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

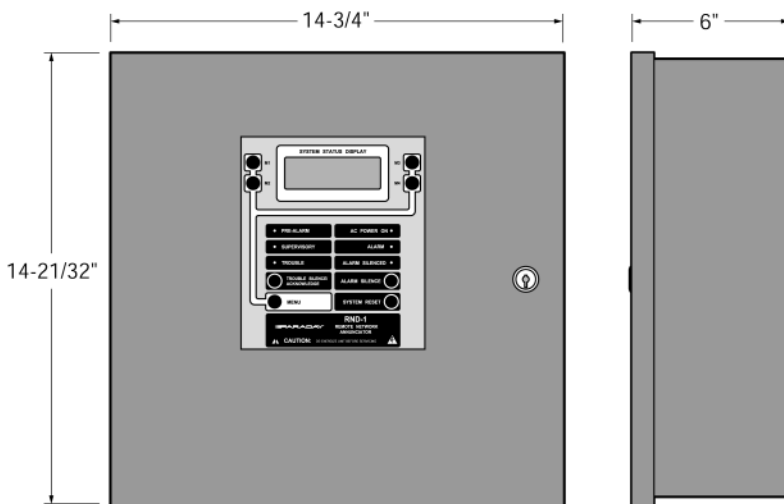
RS485 Communications Circuit

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 maxi-
mum 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

Model	Description	Part No.
12529	RND-1 remote annunciator	500-699693FA
12523A	NIB network interface board for RND-1, 6000 or 7000 (external) mounting	500-649106FA
12603A	NIB-E network interface board for MPC-6000 & MPC-7000. Mounts within the enclosure.	500-649107FA
Accessories		
15216	Semi-flush trim, red	
RDC-2	RDC-2 LCD annunciator	500-699661FA



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