

**SIGNALING****LISTED****FEATURES**

- Fully complies with UL -864 and NFPA-72.
- Rugged CRCA sheet with powder coated finish.
- Operates on 120 - 220v 50 /60 Hz, AC Mains power supply.
- 16x2 Dot Matrix LCD Display.
- 4/8 Class B initiating device circuit (IDC).
 - ❖ All zones accept smoke detectors and any normally open contact device.
 - ❖ Any Zone can be configured as Alarm or supervisory Zone.
- 2 Class B Notification Appliance Circuits (NAC).
- Standby (battery) backup 24v DC power supply with built in charger
- Error free Fire / Fault status in unambiguous colored LED indication.
- System ON indication.
- Main, Standby status audible and visual indication.
- Battery Low visual warning with audible tone.
- FormC relays for fire, fault and supervisory.
- Resettable / uninterrupted 24v D.C. Output.
- RS 485 Communication facility (Optional).
- Lamp Test facility.
- Walk Test facility.
- Zone Isolation facility with loop voltage cut off.
- Earth fault annunciation facility at 0 ohms.
- All field wiring circuits are Power limited except 120 - 220v AC and Battery.
- All field wiring circuits are supervised.
- AC Low voltage cutoff.
- Programmable NAC's.
- Programmable IDC's.
- Programmable Supervisory Mode.
- Programmable AC loss delay.
- Alarm verification facility.
- Programmable Trouble reminder facility.

SPECIFICATION**Primary Power CN1 (RE-SMPS-4A-R1)**

120 - 220VAC \pm 10%, 50 Hz, 2.5Amps.

Standby Power CN10

24v D.C (2 Nos of 12v, 12Ah Sealed Lead acid battery).

Operating Condition

Operating Temperature 0 - 49° C/32-120° F.

Relative Humidity 93 \pm 2% RH (non-condensing) at 32 \pm 2° C/90 \pm 3° F.

Charging Circuit

Charging Voltage 28.2V, \pm 0.5V

Charging Current 800mA (Max.).

Initiating Device Circuits CN 8

All zones are Class B Style B/C operation (Programmable).

Normal Operating Voltage: 14 - 21 VDC.

Alarm Current: 15 - 30mA.

Short Circuit Current: 45mA Maximum.

Loop resistance: 100 ohms Maximum.

End-Of-Line Resistor: 3K9, 1/2watt

Standby Current: 7mA (2mA for Detectors)

Notification Appliance Circuits CN5 and CN6

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC Special Application

Current for all NACs: 1.2Amps (0.6A per circuit)

Current Limit: CN5 and CN6 via Thermal Fuse

Line Drop: 1.8V

End-Of-Line Resistor: 3K9, 1/2watt

Note:

For compatible devices refer Chapter 9(CD 01).

D.C. Power CN7

Operating Voltage: Supervised 24VDC regulated, 300mA Max. (for 4 wire smoke detector)

Common Three Form C Relays CN2, CN3, CN4

Relay Contact Rating: 2Amps @ 30 VDC, 2Amps @ 30VAC.

Power Factor: 0.6

Dimension of the Panel : 440 x 340 x 120 mm (length x height x width)