

FEATURES:

RE - 25AR

- Fully complies with UL -864 and NFPA-72.
- Rugged CRCA sheet with powder coated finish.
- 16x2 Dot Matrix LCD Display.
- Operates on 120-220v 60 / 50 Hz, AC Mains power supply.4 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 Releasing Agent Circuits (RAC).
- 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.
- 3 Form C programmable relays for Fire / fault / supervisory / Gas Released.
- Programmable two Input Circuits for Manual release and Abort.
- Two modes of operations Auto / Manual.
- Programmable 24v D.C Outputs.
- RS 485 Communication facility (Optional).
- Events history log with RTC.
- Walk Test facility.
- Zone Isolation facility.
- Earth fault annunciation facility.
- All field wiring circuits are Power limited except 220v AC and Battery.
- All field wiring circuits are supervised.
- AC Low voltage cutoff.
- Programmable RAC's with count down timer.
- Programmable NAC's.
- Programmable IDC's.
- Programmable Supervisory Mode.
- Programmable AC loss delay.
- Alarm verification facility .
- Programmable Trouble reminder facility.

SPECIFICATION

RE - 25AR

Primary Power (RE-SMPS-4A-R1)

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

Standby Power

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 25 \pm 2° C/77 \pm 3° F.

Charging Circuit

Charging Voltage 28.4V, \pm 0.2V With current 800mA (Max).

Initiating Device Circuit

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

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC Special Application

Current for NACs: 0.6A per circuit

Line Drop: 1.8V

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

Releasing Agent Circuits

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC Special Application

Current for RACs: 0.6A per circuit

Line Drop: 1.8V

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

D.C. Output Power

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

Common Three Form C Relays

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

Power Factor: 0.6

Dimension of the panel

440 x 350 x120 mm (length x height x width)