

RE - 25AR Agent Release Panel



Product Overview

RE25AR Gas Release Panel fully complies with UL -864 and NFPA-72. It is a feature-packed control unit performing dual function of detection and controlled release of gaseous agent..



Features:

- 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).
- MODBUS (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.
- Alarm verification facility .

Programmable Options

- RAC's with count down timer.
- NAC's.
- IDC's.
- Supervisory Mode.
- AC loss delay.
- Trouble reminder facility.
- 24v D.C Outputs



Specification

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).

D.C. Output Power

Supervised 24VDC regulated, 1A Max. (for 4 wire smoke detector)

Common Four Form C Relays

Relay Contact Rating: 2Amps @ 30 VDC, 0.5Amps @ 125VAC.
Power Factor: 0.6

Dimension of the panel :

450 x 340 x 120 mm (length x height x width)

Initiating Device Circuits

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

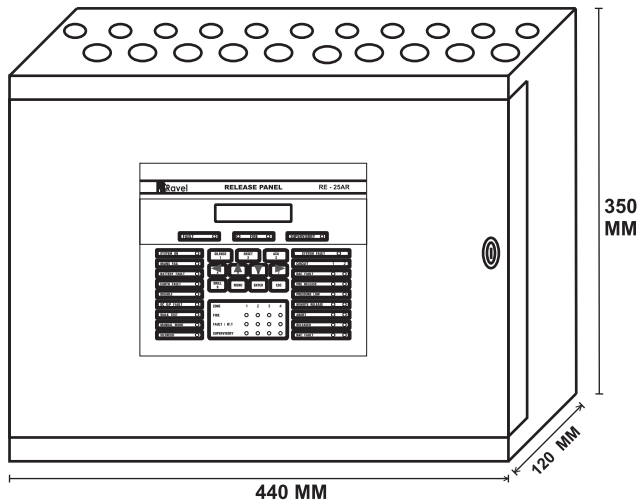
Operating Nominal Voltage: 24VDC Special Application

Current for RACs: 0.6A per circuit

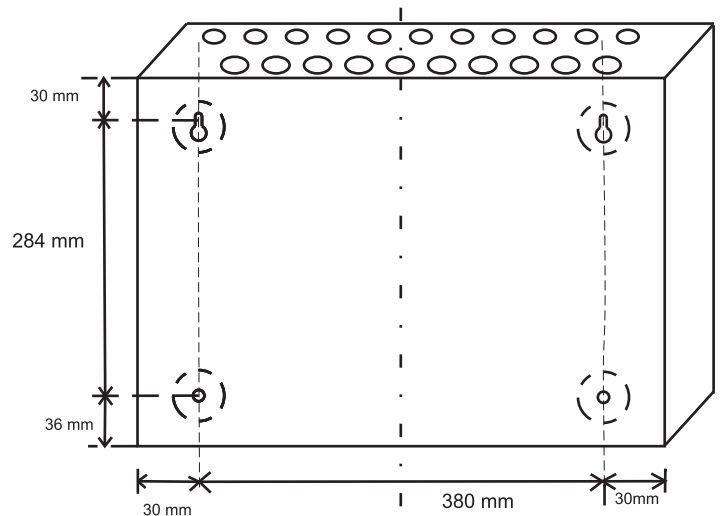
Line Drop: 1.8V

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

G.A.Diagram:



Mounting Detail:



Terminal Details:

I	+	I	+	I	+	I	+	I	+	I	+	OUT	IN	I	+	I	+	NC	NO	CO	NC	NO	CO	NC	NO	CO	P	N	E			
Zone 4		Zone 3		Zone 2		Zone 1		Input 4		Input 3		RAC - 2 (0.6A)		Input 2		Input 1		RAC - 1 (0.6A)		RS Sense	RS 24V Output (300mA)	NAC - 2 (0.6A)		NAC - 1 (0.6A)		Program: Relay 3		Program: Relay 2		Program: Relay 1		120 - 220V AC Input

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