

RE - 900 Fire Alarm Control Panel



Product Overview

RE-900 range of conventional Panel is designed considering the medium and large size building and industrial sector. Expandable from 12 to 128 zones. It has some user friendly feature like Touch keypad, Event memory. This can be used as standalone or networkable using 485/TCP/IP.



Features

- Touch Keypad for user friendly operation.
- Complies with UL -864 and NFPA-72.
- Epoxy powder coated finish.
- Operates on 110 - 220v 60 /50 Hz, AC Mains power supply.
- 12 -128 Class B Style 'B ' or Style 'C' initiating device circuit (IDC).
- Maximum current rating : 5A for upto 24Zone & 10A for above 24 Zone.
- All zones accept smoke detectors and any normally open contact device.
- 2 Nos of Class B Notification Appliance Circuits (NAC).
- NAC shall be programmed as auto silence / Silence Inhibit.
- Standby (battery) backup 24v DC power supply with inbuilt Charger.
- Error free Fire / Fault status in unambiguous colored LED indication.
- 1000 Event storage with RTC.
- Main, Standby status with audible and visual indication.
- Three Programmable FormC relays for fire and fault.
- Resettable / Steady 24V D.C. Output.
- RS 485 Communication facility (Optional).
- TCP/IP (Optional) facility.
- One man Walk Test facility for Zone.
- Zone Wise Sounder/Contact via RS 485.
- Password Enable / Disable facility for user level.
- All field wiring circuits are Power limited except 110 - 220v AC and Battery.
- All field wiring circuits are supervised except Relay contact.
- Zone Isolation facility with loop voltage cut off.
- Earth fault annunciation facility at 0 ohms.
- Programmable AC loss delay.
- Programmable Trouble reminder.
- Peer to Peer Networkable maximum 16 Panels.

Electrical Specification

Primary Power

110 - 220VAC \pm 10%, 60 / 50 Hz.

Standby Power

24V D.C As Required

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 28.0V, \pm 0.5V

Charging Current as Required

D.C. Output

(Resettable / Steady) 24VDC Output ,
500mA Max.

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: 4K7, 1/2watt

Standby Current: 7mA (2.5mA for Detectors)

Notification Appliance Circuits

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC

Special Application

Current for all NACs: 2 Amps (1 A per circuit)

Line Drop: 1.8V

End-Of-Line Resistor: 4K7, 1/2watt

Common Relays

Type : Form C

No of Relays : 2

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

Power Factor : 1.0

Dimensions

No of Zones	Width	Height	Depth
1 to 16Z	425	350	120
1 to 32Z	500	600	160
1 to 48Z	500	700	160
1 to 80Z	500	1000	160
1 to 128Z	500	1400	160

All dimensions are in mm.

India:

RAVEL ELECTRONICS PVT LTD.,

(An ISO 9001 Company)

150A, Electronics Industrial Estate, Perungudi, Chennai - 96 .India.

E-Mail: marketing@ravelfire.com; Web : www.ravelfire.com

United Kingdom:

RAVEL ELECTRONICS LTD.,

Unit 11, Chancel Industrial Estate, Newhall street,

Willenhall WV13 1NX, West Midlands, United Kingdom.

E-mail: info@ravelfire.co.uk; Web: www.ravelfire.co.uk