

RE - 900 Series Fire Alarm Control Panel



Product Overview

RE-900 Series, Microprocessor based conventional Fire Alarm Control Panel, are designed to be used for medium and large size commercial complexes and industrial establishments. The panels comes in a range starts with 12 Zone upto 128 Zones. These panels are user friendly system such as touch keypad to program panel. This can be used as a standalone or networkable.



Features

- * Complies with UL -864 and NFPA-72.
- * 20 x 4 Dot Matrix LCD Display.
- * Operates on 120 - 220v 60 /50 Hz, AC Mains power supply.
- * Standby (battery) backup 24v DC power supply with builtin charger.
- * Maximum current rating : 5A for upto 24Zone & 10A for above 24 Zone.
- * Touch Keypad for user friendly operation.
- * Epoxy powder coated finish.
- * Class- B, Style B / C initiating device circuit (IDC).
- * All zones accept smoke detectors and any normally open contact device.
- * Class B Notification Appliance Circuits (NAC).
- * NAC shall be programmed as auto silence / Silence Inhibit.
- * Error free Fire / Fault status in unambiguous colored LED indication.
- * 1000 Event storage with RTC.
- * Main, Standby status with audible and visual indication.
- * Two Form C relays for fire and fault.
- * Resettable / Steady 24V D.C. Output.
- * RS 485 Communication facility.
- * TCP/IP facility (Optional)
- * MODBUS for BMS integration (Optional).
- * PC software (optional)
- * External Zone Wise Sounder/Contact via RS 485 (Optional).
- * All field wiring circuits are supervised.
- * Zone Isolation facility with loop voltage cut off.
- * Zones available : 12, 16, 20, 24, 32, 48, 64,96 and 128.
- * Facility to connect Public Address System (PA) through RS-485 Communication.
- * Peer to Peer network facility.
- * Maximum 16 panels can be connect in a Single Network.

Electrical Specification

Primary Power

120 - 220VAC \pm 10%, 60 / 50 Hz.

Standby Power

24V D.C As Required

Quiescent current : 120 mA

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.

Common Relays

Type : Form C
No of Relays : 2
Relay Contact Rating : 2Amps @ 30 VDC,
0.5Amps @ 125VAC.
Power Factor : 1.0

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 from 12 Zone Upto 64Zone
NACs : 2 Amps (1 A per circuit)
Current above 64Zone
NACs : 4 Amps (1 A per circuit)

Line Drop: 1.8V
End-Of-Line Resistor: 4K7, 1/2watt

Dimensions

| Zones | Width | Height | Depth |
|----------|-------|--------|-------|
| 12 Zone | 425 | 350 | 120 |
| 16 Zone | 425 | 350 | 120 |
| 20 Zone | 500 | 600 | 160 |
| 24 Zone | 500 | 600 | 160 |
| 32 Zone | 500 | 600 | 160 |
| 48 Zone | 600 | 700 | 160 |
| 64 Zone | 600 | 1000 | 160 |
| 96 Zone | 600 | 1400 | 160 |
| 128 Zone | 600 | 1400 | 160 |

All dimensions are in mm.

Ordering Information

| Models | Description |
|---------|-----------------------------------|
| RE-9012 | 12 Zone Fire Alarm Control Panel |
| RE-9016 | 16 Zone Fire Alarm Control Panel |
| RE-9020 | 20 Zone Fire Alarm Control Panel |
| RE-9024 | 24 Zone Fire Alarm Control Panel |
| RE-9032 | 32 Zone Fire Alarm Control Panel |
| RE-9048 | 48 Zone Fire Alarm Control Panel |
| RE-9064 | 64 Zone Fire Alarm Control Panel |
| RE-9096 | 96 Zone Fire Alarm Control Panel |
| RE-9128 | 128 Zone Fire Alarm Control Panel |

NOTE

RE-9XXX \rightarrow RE-900 Series Fire Alarm Control Panel

XXX \rightarrow No of Zones listed above

Compatible Devices:

| MODEL | DESCRIPTION |
|-----------------|---------------------------|
| RE-900RP Series | Fire Alarm Repeater Panel |

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