

RE-900 Series

FIRE ALARM CONTROL PANEL

General

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. This panel can accommodate a range of 12 zones upto 128 zones. User friendly systems which involves a touch keypad to program the panel. This can be used as a standalone or networkable panel.

Features

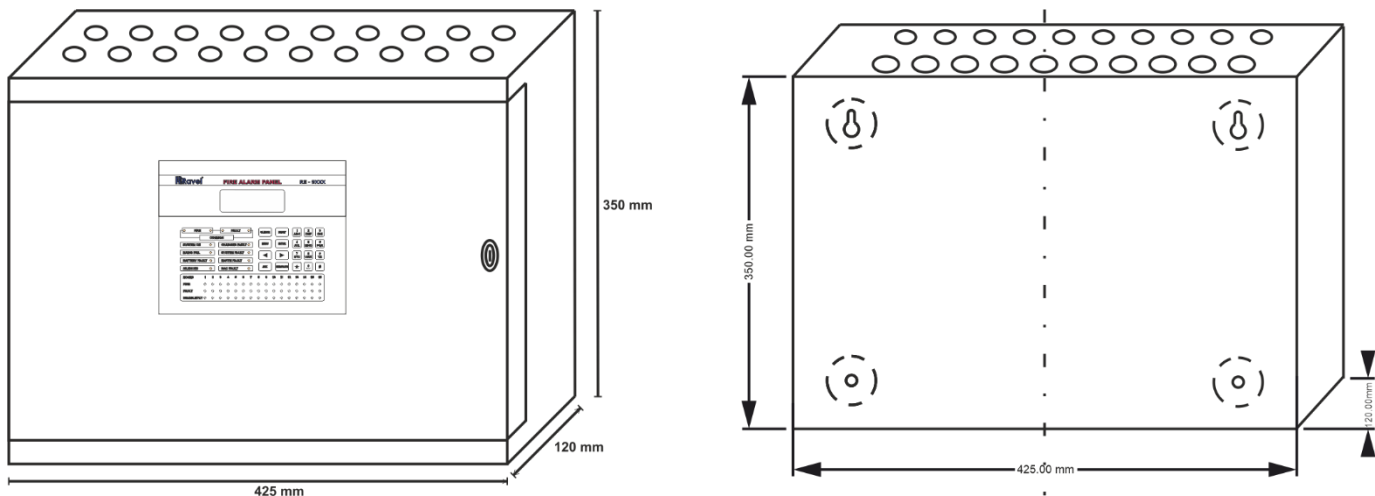
- Complies with UL -864 and NEPA-72.
- 20 x 4 dot matrix LCD display.
- Operates on 120 - 220VAC 60 /50 Hz, AC mains power supply.
- Standby (battery) backup 24 VDC power supply with built in charger.
- Touch keypad for user friendly operation.
- Epoxy powder coated finish.
- Class- B, Style B / C initiating device circuit (IDC).
- All zones accept smoke detectors and normal open contact devices.
- 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 24VDC. Output.
- RS 485 Communication facility.
- TCP/IP facility (Optional).
- MODBUS for Building Management System 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 connected to a single network.



Specification

Electrical Specification	
Primary Power	120 - 220VAC \pm 10%, 60 / 50 Hz.450W
Standby Power	24 VDC (2 X 12V Battery (for AH refer battery calculation) Quiescent current: 120 mA
Operating Condition	Operating temperature: 0 – 49° C / 32 – 120° F Storage Temperature: 0 – 60° C Relative Humidity - 93 \pm 2% RH (non- condensing) at 32 \pm 2° C/90 \pm 3° F
Charging Circuit	Charging Voltage: 28.0V, \pm 2% Charging current: 1.2A (max)
Notification Appliance Circuits	No of circuits 2 Wiring style Class B, Style Y Operating Nominal Voltage 24 VDC Nominal NACs(Current from 12 Zone Upto 64 Zone) 2 Amps (1 A per circuit) NACs(Current above 64 Zone) 4 Amps (1 A per circuit) Line drop 1.8V EOL resistor 4K7, ½ watt
DC Output	(Resettable / Steady) 24VDC Output ,500mA Max
Relays	Type Form C No of Relays 2 Relay contact rating 2A @ 30 VDC, 0.5A @ 125 VAC Power factor 1.0
Initiating Device Circuits	Wiring style Class B, Style B/C Normal operating voltage 14 – 21 VDC Current 15 – 30 mA Short circuit current 45 mA (max) Loop resistance 100 Ω (max) EOL Resistor 4K7, ½ watt Standby current 7 mA (2 mA for detectors)

Mounting Detail



Dimensions

Zones	Width(mm)	Height(mm)	Depth(mm)
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

Compatible Devices

Models	Description
<i>RE-900RP Series</i>	Fire Alarm Repeater Panel
<i>RE-316S-2L</i>	Photoelectric Smoke detector with base.
<i>RE-316H-2L</i>	Heat detector with base.
<i>RE-316SH-2L</i>	Photoelectric & Heat detector with base
<i>RE-716 MR</i>	Conventional Manual Call Point.
<i>RE- 24 CS</i>	Conventional Sounder.

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

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