RE-900 Series

CONVENTIONAL FIRE ALARM CONTROL PANEL

General

A Microprocessor based conventional Fire Alarm Control Panel are designed to be used for medium & Large establishments like Schools, hospitals, hotels, banks, residential / commercial building, and small scale industries. The system is user friendly with includes all standard to ensure ease for use and high reliability. This panel can accommodate a range of 12 IDC's upto 128 IDC's. User friendly systems which involves a touch keypad to program the panel. This can be used as a standalone or peer to peer network.

CE

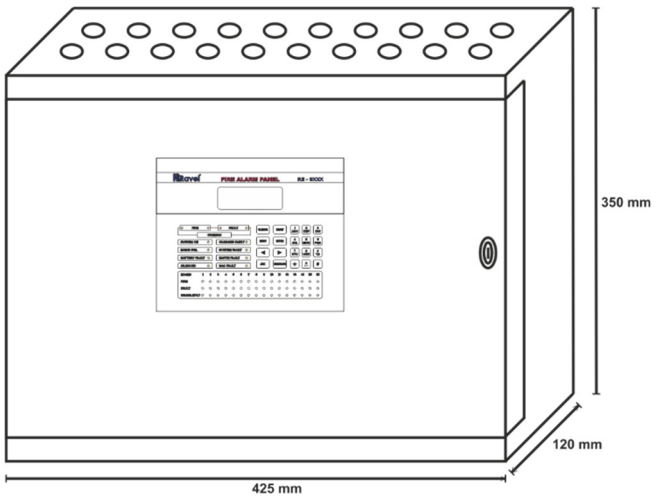
Features

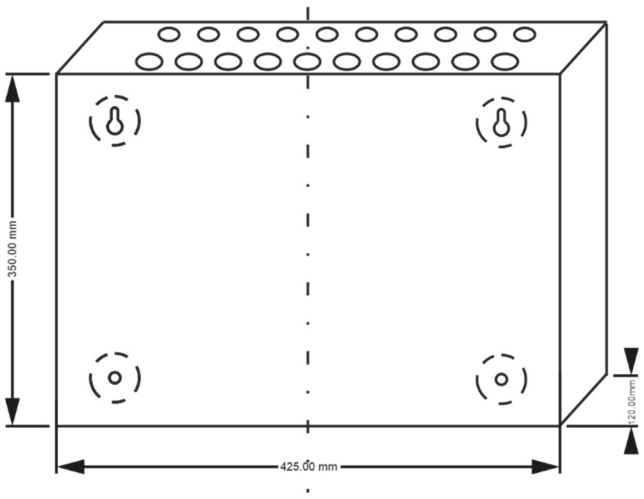
- CE Approved and NFPA-72 Standard.
- 20 x 4 dot matrix LCD display.
- Operates on 120 - 220VAC 60 /50 Hz, AC mains power supply.
- Standby (battery) backup 24 VDC power supply with built in charger.
- Wide range of operating voltage.
- Touch keypad for user friendly operation.
- Epoxy powder coated 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.
- IDC labelling facility in display.
- Each IDC have dedicated LED for Fire, Fault, Isolate and walk test
- Potential free contact 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 ± 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 ± 2% RH (non- condensing) at 32 ±2° C/90 ±3° F	
Charging Circuit	Charging Voltage: 28.0V, ± 2% Charging current: 1.2A (max)	
Notification Appliance Circuit	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	Quantity	3No's (12Z - 48Z), 6 No's (64Z - 128Z)
	Type	Form C
	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

IDC	Width(mm)	Height(mm)	Depth(mm)
12	425	350	120
16	425	350	120
20	500	600	160
24	500	600	160
32	500	600	160
48	600	700	160
64	600	1000	160
96	600	1400	160
128	600	1400	160

Compatible Devices

Models	Description
RE-900RP Series	Fire Alarm Repeater Panel
RE-316S-2L	Conventional Photoelectric Smoke detector with base.
RE-316H-2L	Conventional Heat detector with base.
RE-316SH-2L	Conventional Multi sensor detector with base
RE-716 MR	Conventional Manual Call Point.
RE- 24 CS	Conventional Sounder / Horn.
RE-25SS	Conventional Sounder / Horn cum strobe
RE-90MB	Modbus Converter
RE-TCP	Ethernet Module
RE-716SO	UL Listed Conventional Sounder
RE-716SS	UL Listed Conventional Sounder cum Strobe
RE-716P1T	UL Listed Single Action Manual Pull station
RE-716P1TLP(R)	UL Listed Dual Action Manual Pull Station
RE-RI	Response Indicator.
RE-364BS	Conventional Sounder Base

Ordering Information

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

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