

RE-102R / 104 R

2 & 4 IDC's FIRE ALARM CONTROL PANEL

General

The RE-102R & RE-104R is a 2 & 4 Zone Fire Alarm Control Panel, which uses conventional input devices. The Outputs include Notification Appliance Circuits (sounders), two programmable Form – C relays, RS-485 port to interface with annunciators and optional zone wise sounder & zone wise contact. The FACP is field programmable via the panel keypad. It also supervises all wiring, AC voltage and battery level. Optional ethernet, & GSM ports are user for transmission.

This Fire Alarm Control panel is designed to be used for small size commercial buildings and small-scale industries.



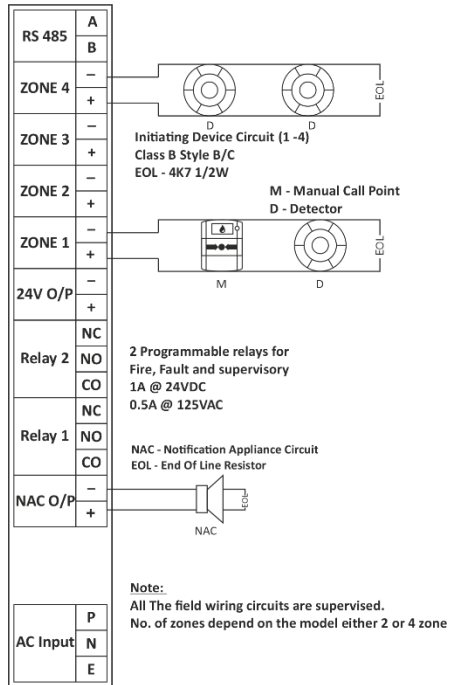
Features

- CE Approved.
- 16 X 2 Dot Matrix LCD Display.
- Standby battery backup with built in charging.
- Switch Mode Power Supply.
- Tactile Keypad for easy panel operation.
- System ON indication.
- Low Battery visual warning with audible tone.
- Fire / Fault status in unambiguous colored LED indication.
- 2 programmable relays for fire, supervisory and fault.
- All zones accept smoke detectors and any normally open contact device.
- Any Zone can be configured as alarm or supervisory.
- Zone wise isolation and one man walk test facility.
- Programmable Aux Outputs.
- Lamp test & Drill test facility.
- 100 All Events log with RTC.
- Date / Time / Password configuration.
- Programmable auto silence facility.
- Zone wise sounder / contact (optional).
- TCP-IP / GSM facility (optional).
- All field wiring circuits are supervised.

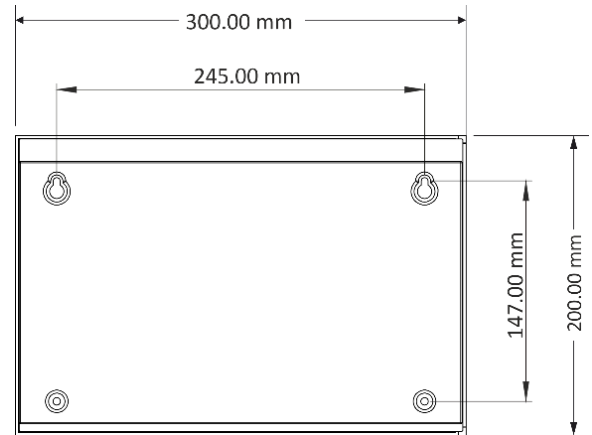
Specification

Electrical Specification	
Primary Power	120 / 230VAC + 10% -15%, 60 / 50 Hz, 50W
Standby Power	24VDC (2 Nos of 12V, 3.5Ah Sealed Lead acid battery)
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
Quiescent Current	2 Zone 40mA 4 zone 50mA
Charging Circuit	Charging voltage 28 V ± 5% Charging current 350mA (max)
24VDC	Quantity 1 No Voltage 24VDC continuous or resettable (Regulated) Current 100mA (max)
Notification Appliance Circuits	Wiring style Class B Quantity 1 No Operating voltage 24VDC (Regulated) Current 350mA EOL resistor 4K7, ½ watt
Relays	Type Form C Quantity 2 No's (Programmable) Relay contact rating 1A @ 30 VDC Power factor 1.0
Initiating Device Circuits	Wiring style Class B Quantity 2 or 4 (102R- 104R) Normal operating voltage 14 – 21 VDC Alarm current 15 – 35 mA Short circuit current 42 mA (max) Loop resistance 50 Ω (max) EOL Resistor 4K7, ½ watt Standby Current 6.8 mA (2.4 mA for detectors)
RS 485	Nodes 1 Wiring Style Class B Wire type Twisted pair Circuit Length 1.2 Km (Max) Loop resistance 100 Ohms
Mechanical Specification	
Dimensions	300L X 200W X 95D
Wire Size	1.5 Sq mm
IP rating	IP 60
Color	Black
Material	FRABS plastic
Cable Entry	11 x ø19mm Knockout on top of the cabinet

Wiring Configuration



Dimensions



Compatible Devices

Models	Description
RE-316S-2L	Photoelectric Smoke detector with base.
RE-316H-2L	Heat detector with base.
RE-316SH-2L	Photoelectric & Heat detector with base
RE-716 MR	Conventional Manual Call Point.
RE-716P1T	Manual Pull station – Single action.
RE-716P1TLP (R)	Manual Pull station – Dual action.
RE-25SS	Conventional Sounder cum Strobe
RE- 24 CS	Conventional Sounder.
RE-716SO	Conventional Sounder – UL Listed.
RE-716SO	Conventional Sounder cum Strobe – UL Listed.
RE-364BS	Conventional Sounder Base.

Ordering Information

Models	Description
RE-102R	2 Zone Fire Alarm Panel
RE-104R	4 Zone Fire Alarm Panel

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