

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 used for transmission.

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

Features

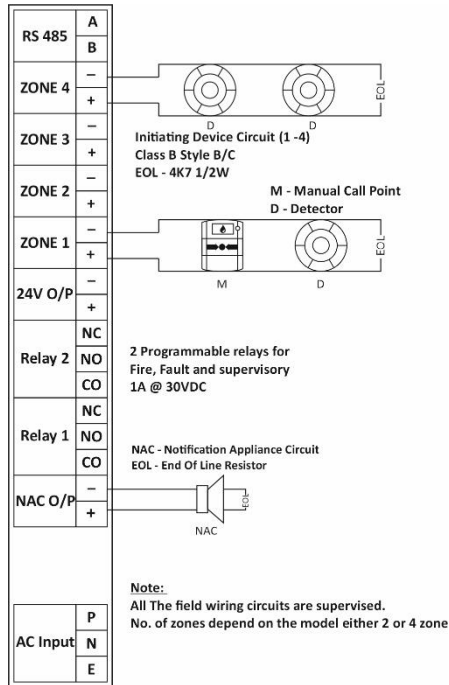
- CE Approved.
- 16 X 2 Dot Matrix LCD Display.
- Standby battery backup with built in charging.
- Switch Mode Power Supply.
- Tactile Keypad for easy panel operation.
- System ON indication.
- Low Battery visual warning with audible tone.
- Fire / Fault status in unambiguous colored LED indication.
- 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.



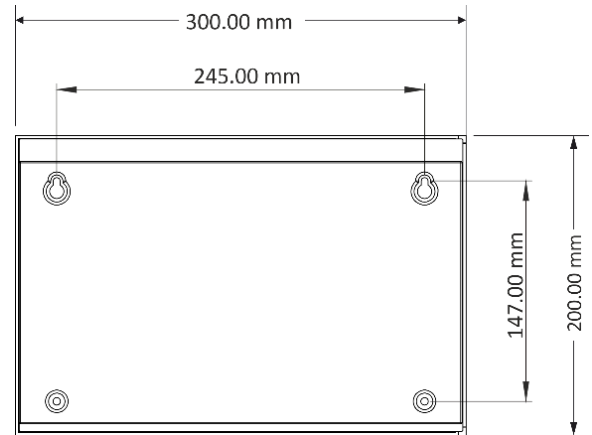
Specification

Electrical Specification		
<i>Primary Power</i>	110 / 230VAC + 10% -15%, 60 / 50 Hz, 50W	
<i>Standby Power</i>	24VDC (2 Nos of 12V, 3.3 to 3.5Ah Sealed Lead acid battery)	
<i>Operating Condition</i>	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	
<i>Quiescent Current</i>	2 Zone	40mA
	4 zone	50mA
<i>Charging Circuit</i>	Charging voltage	28 V ± 5%
	Charging current	350mA (max)
<i>24VDC</i>	Quantity	1 No
	Voltage	24VDC continuous or resettable (Regulated)
	Current	100mA (max)
<i>Notification Appliance Circuits</i>	Wiring style	Class B
	Quantity	1 No
	Operating voltage	24VDC (Regulated)
	Current	350mA
	EOL resistor	4K7, ½ watt
<i>Relays</i>	Type	Form C
	Quantity	2 No's (Programmable)
	Relay contact rating	1A @ 30 VDC
	Power factor	1.0
<i>Initiating Device Circuits</i>	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)
<i>RS 485</i>	Nodes	1
	Wire type	Twisted pair
	Circuit Length	1.2 Km (Max)
Mechanical Specification		
<i>Dimensions</i>	300L X 200W X 95D in mm	
<i>Wire Size</i>	1.5 Sq mm	
<i>IP rating</i>	IP 60	
<i>Color</i>	Black	
<i>Material</i>	FRABS plastic	
<i>Cable Entry</i>	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- 24CS	Conventional Sounder.
RE-716SO	Conventional Sounder – UL Listed.
RE-716SS	Conventional Sounder cum Strobe – UL Listed.

Ordering Information

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

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