

RE-102 / 104

Fire Alarm Control Panel



Product Overview

RE-102/104 is a right blend of affordability design, user friendly, latest technology and quality for fire alarm panels. While implementing the latest in microprocessor technology for conventional panels ease to operate along with clear visible indications come at an advantage for the end user. These are stand alone panels with 2 & 4 zones versions. It has the optional facility for zone wise sounder / relay contacts.

Special Features:

- Ravel Indian Manufacturer, International standard.
- Switch Mode Power Supply.
- Modular Construction, Serviceable.
- Surface Mount Technology.
- Battery polarity & deep discharge protection.



Features:

- As per IS -2189 Standard.
- Standby battery backup with built in charging.
- Fire / Fault status in unambiguous colored LED indication.
- Switch Mode Power Supply.
- Tactile Keypad for easy panel operation.
- System on indication.
- Main, Standby status indication.
- Low Battery visual warning with audible tone.
- Relay output for actuators for Fire and Fault.
- Lamp Test facility
- Zone wise one man walk Test Facility.
- Zone wise Isolation facility with loop voltage cut off.
- Compatible to all type of Conventional Detectors.
- Optional Zone Wise Sounder / Zone Wise Contact.

Electrical Specification:

Primary Power

120 - 220VAC , 50 Hz

Standby Power

24V D.C (2 Nos of 12v, 7Ah Sealed Lead acid battery).

Operating Condition

Operating Temperature 0 - 49° C/32-120° F.

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ± 2° C/90 ± 3° F.

Charging Circuit

Charging Voltage 28.2V, ±0.5V

Charging Current 0.5 A (Max.).

Common Relays

Type : Form C
No of Relays : 3
Relay Contact Rating : 2Amps @ 30 VDC,
2Amps @ 30VAC.
Power Factor : 0.6

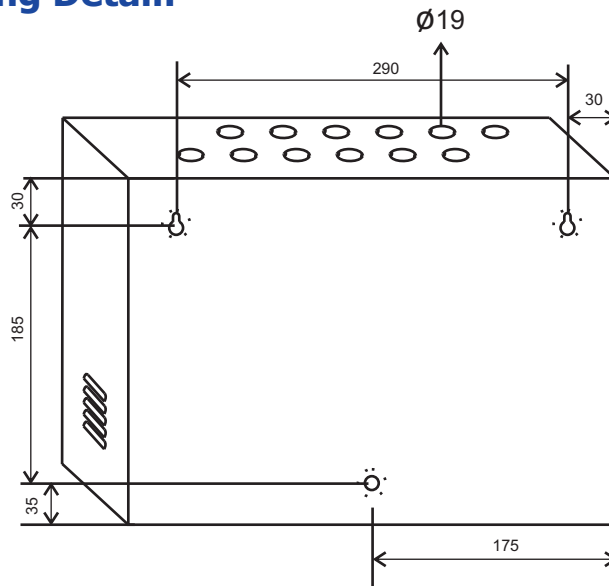
Initiating Device Circuits (Zone Circuit)

All zones are Class B wiring
Normal Operating Voltage : Nominal 24 VDC
Alarm Current : 15 - 35mA
Short Circuit Current : 42mA Maximum
Loop resistance : 50 ohms Maximum
End-Of-Line Resistor : 4.7K, 1/4watt
Standby Current : 6.8mA
(2.4mA for Detectors)

Notification Appliance Circuits

Class B wiring
Operating Nominal Voltage: 24VDC
Current for NACs : 1Amps
End-Of-Line Resistor : 4K7, 1/4 watt

Mounting Detail:

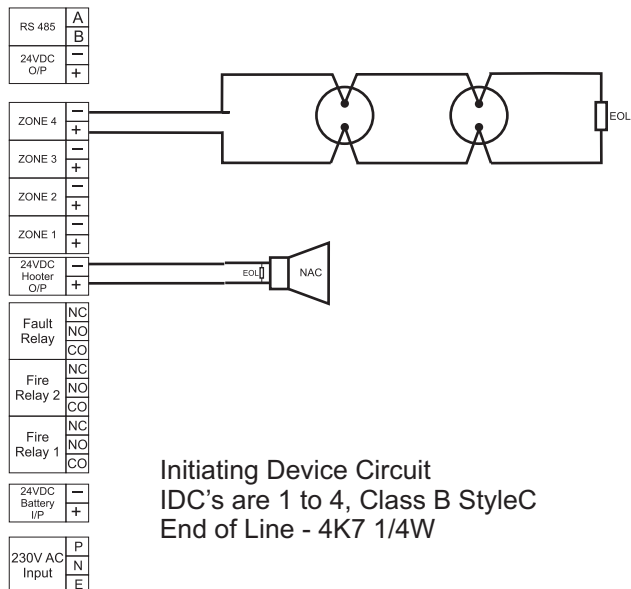


Note:- All Dimensions are in MM

Mechanical Specification:

Dimensions : (350W X 250H X 100D)
Color : Red / White
Construction : 18 Gauge (1.22mm) CRCA sheet with powder-coated Finish
IP Rating : IP50
Cable Entry : 11xØ19mm Knockout in top of the cabinet

Wiring Diagram:



Ordering Information:

MODEL	DESCRIPTION
RE-102-W	2 ZONE Fire Alarm Panel
RE-102-R	2 ZONE Fire Alarm Panel
RE-104-R	4 ZONE Fire Alarm Panel
RE-104-W	4 ZONE Fire Alarm Panel

Note:

R- Red Color
W-White Color

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

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