

# RE-102 / RE-104

## Fire Alarm Control Panel



### Product Overview

RE-102 / RE-104 is a right blend of affordability design, user friendly, latest technology and quality for fire alarm panels. RE - 102 / RE - 104, microprocessor based conventional Fire Alarm Control panel, are designed to be used for small size commercial buildings and small scale industries. The RE - 102 / RE - 104 models are 2 zone and 4 zone standalone panels respectively, with optional zone wise Sounder / Contact.

### 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 -15908: 2011 Standard.
- 16 X 2 Dot Matrix LCD Display.
- 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).

Quiescent current : 55mA

### 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.).

### Notification Appliance Circuits

Class B wiring

Operating Nominal Voltage: 24VDC

Current for NACs : 0.6 Amp

End-Of-Line Resistor : 4K7, 1/4 watt

### Common Relays

Type : Form C

No of Relays : 3

Relay Contact Rating : 2Amps @ 30 VDC,  
0.5Amps @125VAC.

Power Factor : 1

### Initiating Device Circuits (Zone Circuit)

All zones are Class B wiring

Normal Operating Voltage : 14- 21 VDC

Alarm Current : 15 - 30mA

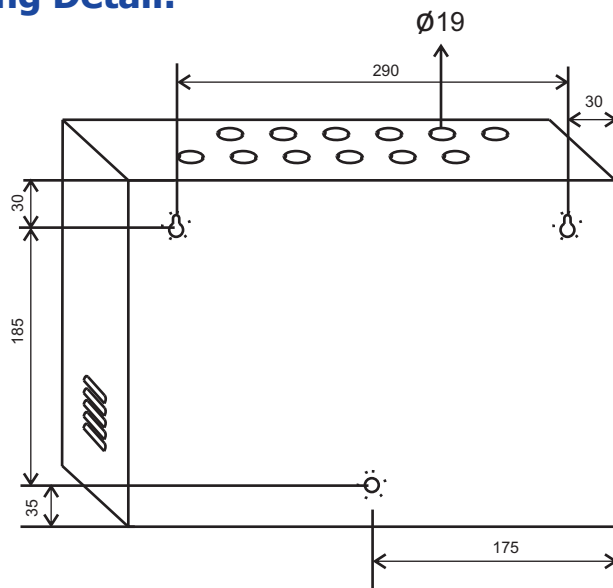
Short Circuit Current : 42mA Maximum

Loop resistance : 50 ohms Maximum

End-Of-Line Resistor : 4.7K, 1/4watt

Standby Current : 6.8mA  
(2.4mA for Detectors)

## Mounting Detail:



Note:- All Dimensions are in MM

## Mechanical Specification:

Dimensions : (350W X 250H X 100D)

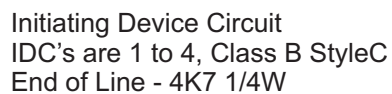
Color : Red / White

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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