

RE-102ET/104ET

Fire Alarm Control Panel



Product Overview :

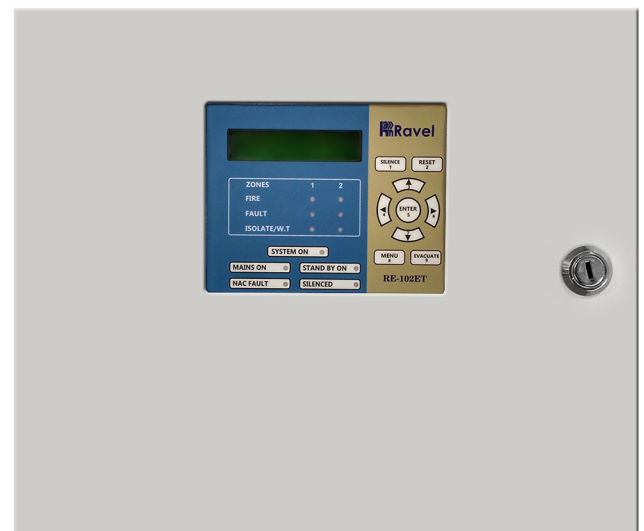
RE-102ET/104ET is a right blend of affordable design and quality with latest technology for fire alarm control panels. This microprocessor based conventional Fire Alarm Control panel, is designed to be used for small size commercial buildings and small scale industries. RE-102ET/104ET model is a user friendly 2 & 4zone standalone control panel, with TCP/IP,USB and RS 485 .

Special Features:

- Switched 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.
- 10/100 Mbps auto sensing inbuilt ethernet port.
- Easy configuration with web browser / PC application.
- USB / Ethernet port to configure, monitor and control the panel using CMS software.
- Inbuilt RTC with 150 events storage.
- 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.
- TCP/IP, USB and RS 485.



Electrical Specification:

Primary Power:-

120 / 220VAC + 10% -15%, 60 / 50 Hz. 60W

Stand by Power :-

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

Quiescent current : 55mA

Operating Condition:-

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

Storage Temperature - 0° to 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 - 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, 1/2 watt

Common Relays :-

Type : Form C

No of Relays : 3

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

Power Factor : 1.0

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

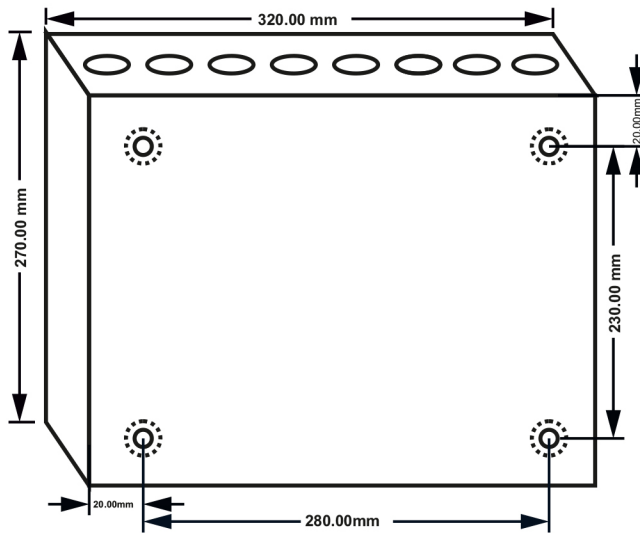
Loop resistance : 50 ohms Maximum

End-Of-Line Resistor : 4.7K, 1/2watt

Stand by Current : 6.8mA

(2.4mA for Detectors)

Mounting Detail:



Mechanical Specification:

Dimensions : (320W X 270H X 85D)

Color : Red / White

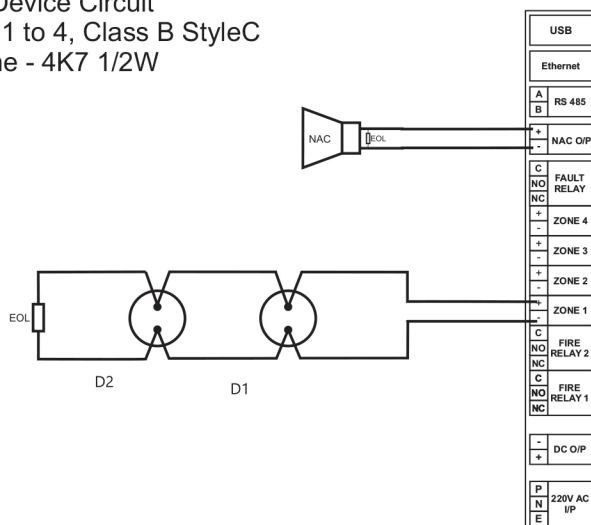
Construction : 18 Gauge (1.22mm) CRCA sheet with powder-coated finish

IP Rating : IP50

Cable Entry : 8xø19mm Knockout on top of the cabinet

Wiring Diagram:

Initiating Device Circuit
IDC's are 1 to 4, Class B StyleC
End of Line - 4K7 1/2W



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- 24 CS	Conventional Sounder.

Ordering Information:

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

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