RE-102ET / RE-104ET
FIRE ALARM CONTROL PANEL

General

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 an user friendly 2 & 4 zone standalone control panel with inbuilt USB and optional Ethernet & GSM module.

Features

- As per IS -15908: 2011 Standard.
- CE Approved.
- Switched Mode Power Supply.
- Modular Construction, Serviceable.
- Battery polarity & deep discharge protection.
- 16 X 2 Dot Matrix LCD Display.
- Event log with Real Time Clock(150 events).
- Standby battery backup with built in charging.
- Fire / Fault status in unambiguous colored LED indication
- System ON, Mains ON & Standby ON status indication.
- Low Battery visual warning with audible tone.
- Relay output for actuators, for Fire and Fault.
- Zone wise one man Walk Test Facility.

GSM Features

- Quad Band GSM/GPRS : 850 / 900 / 1800 / 1900 MHZ.
- GSM based SMS Notification includes location details.
- Contact wise Event Configurable.
- Maximum 15 mobile contacts can be configured via Software.
- Separate Fire and Fault message.
- 15 Mobile numbers for each event type.
- GSM Signal Strength indicator.

- Zone wise Isolation facility with loop voltage cut off.
- USB Interface for PC Connectivity.
- Compatible to all type of Conventional Detectors.
- Optional Ethernet and GSM(SMS) facility.
- Includes centralised monitoring facility through Ethernet port.

Ethernet Features

- 10/100M high speed, automatically adapts to any TCP/IP interface.
- Ready-to-use TCP/IP firmware for fast integration.
- Easy configuration with Web browser, serial console, Telnet console or Windows utility.
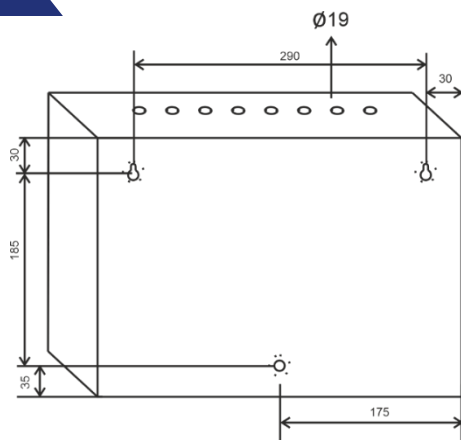- Low power consumption.

CMS Features

- Monitoring the status of Fire Alarm System
- Audible & Visual alerts for Zone wise Fire & fault.
- Multiple FACP shall be monitored and controlled from single Desktop with static IP.
- User friendly PC software.
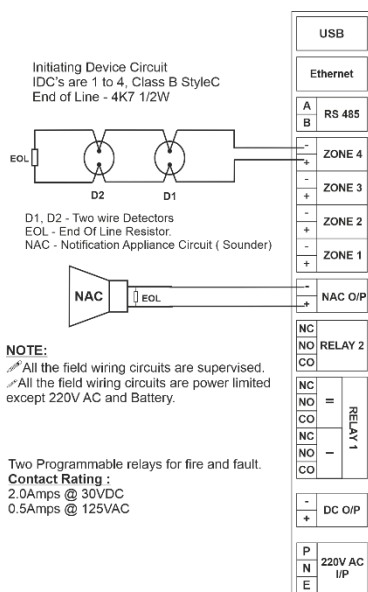- Shall supports USB, LAN & WAN

Specification

Electrical Specification	
Primary Power	120 / 220VAC + 10% -15%, 60 / 50 Hz. 60W
Standby Power	24VDC (2 Nos of 12V, 7Ah 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	60 mA (without Ethernet) 102mA (with Ethernet) 128mA (with Ethernet & GSM)
Charging Circuit	Charging voltage 28 V, ± 2% Charging current 0.5A (max)
Notification Appliance Circuits	Wiring style Class B Quantity 1 No. Operating voltage 24VDC nominal Current 0.6A EOL resistor 4K7, 1/2watt
Relays	Type Form C Quantity 3 No's (2 Fire & 1 Fault) Relay contact rating 2Amps @ 30 VDC; 0.5A @ 125 VAC Power factor 1.0
Initiating Device Circuits	Wiring style Class B Quantity 2 No's 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, 1/2 watt Standby current 6.8 mA (2.4 mA for detectors)
Mechanical Specification	
Dimensions	(350W X 250H X 100D) mm
Color	Red / White
Construction	18 Gauge (1.22mm) CRCA sheet with powder-coated finish
IP Rating	IP50
Cable Entry	16xø19mm Knockout on top of the cabinet

Dimensions

Note:- All Dimensions are in mm

Wiring Configuration

Compatible Devices

Models	Description
RE-316S-2L	Conventional Photoelectric Smoke detector with base.
RE-316H-2L	Conventional Heat detector with base.
RE-316SH-2L	Conventional Multi sensor detector with base
RE-716 MR	Conventional Manual Call Point.
RE- 24 CS	Conventional Sounder / Horn.
RE-716SO	Sounder
RE-716SS	Sounder cum Strobe
RE-716P1T	Single Action Manual Pull station
RE-716P1TLP(R)	Dual Action Manual Pull Station
RE-RI	Response Indicator.
RE-364BS	Conventional Sounder Base

Ordering Information

Models	Description
RE-102ET	Conventional 2 IDC's Fire Alarm Control Panel
RE-104ET	Conventional 4 IDC's Fire Alarm Control Panel.
RE-102ET+GSM	Conventional 2 IDC's Fire Alarm Control Panel with GSM
RE-104ET+GSM	Conventional 4 IDC's Fire Alarm Control Panel with GSM

Note:
W- White Colour
R – Red Colour