

ORION SERIES

2 ZONE MICROCONTROLLER BASED FIRE ALARM PANEL WITH LCD DISPLAY

The Orion series of Microprocessor based fire alarm panels provides a reliable and cost effective solutions to fire detection, for small installation which is of 2 zone. These units have been designed to offer high standards of performance, reliability and quality and comply with IS 2189 : 1999 and tested by the ERTL (N) & System Sensor. The Orion series panels are specially suited for the small offices & workplaces.



TESTED BY : ERTL (N) & SYSTEM SENSOR

BASIC FEATURES

- ▶ Easy Installation, Operation & Maintenance.

STANDARD FEATURES

- ▶ Complies to IS 2189: 1999 and Tested by ERTL (N) & System Sensor.
- ▶ 2 X 16 character backlit LCD display.
- ▶ Lamp test feature.
- ▶ Complete with integral power supply and battery charger for sealed lead acid battery.
- ▶ Potential free contacts for both fire and fault.
- ▶ Switches to enable on board operation.
- ▶ LCD and LED Indication for open, short circuit, Isolate, Fire in each zone.
- ▶ Maximum nos. of Detectors in each zone is 25.

ELECTRICAL SPECIFICATIONS

Operating Voltage	24 Volts DC.
Stand by Batteries	24 Volts DC (2 X 12 volt DC)
Power Supply	
Mains	220 volt AC, 50 Hz to the internal mains transformer. (± 10%)
Input	26 volt from internal mains transformers.
Output	24 volt DC ; 12 volt DC. (Regulated)
Charging Voltage:	27.2 volts DC.
End of Line Resistor:	4.7 K Ohm, One per zone.

ENVIRONMENT OPERATING LIMITS

Temperature	0 deg. C to 50 deg. C
Humidity	90% to 95% RH condensing

DIMENSIONS (mm)

Length x Breadth x Depth	275 x 325 x 95
Weight	3.920 Kg.

CONSTRUCTION

Material	1.6 /1.8 mm CRCA Sheet duly powder coated.
Cable Entry	From top and back (20mm knock outs)

INTERNAL SOUNDERS

Continuous Buzzer for the fault condition Intermittent buzzer for the fire condition.

EXTERNAL OUTPUT

Sounder Output	Common hooter output
Aux. Relay Output	One each for fire and fault can be expanded according to the individual requirement.

ZONE DISPLAY

Green LED	Zone Healthy
Amber LED	Isolate, Short, Open
Dual Red LED	Fire
LCD Display	2X16 Character indicating complete status of zone.

USER CONTROLS

Reset, Lamp Test, Silence, Isolate, Short, Open, Fire

LED INDICATIONS ON PANEL

Mains ON, Charging ON, System On, Battery Low, Stand by ON,
Silence, Zone ON, Zone Isolate, Short, Open, Alarm

LCD INDICATION ON PANEL

Zone Status

BSNL Approved model is also available.