

E.R.T.L. Tested

Fire Guard

Automatic Fire Detection & Alarm System

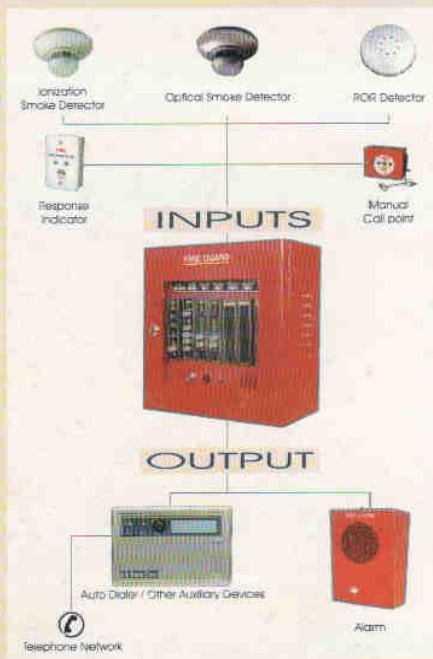


MODEL : FG04

**Very Cost Effective Round The Clock Fire Detection Solution For
Homes, Offices, Shops, Banks, Godowns
Hospitals, Petrol Pumps, Farm Houses Etc.**

FIRE GUARD has been developed indigenously by our R & D Engineering conforming to **BS - 2189** standards and manufactured by us to withstand Indian conditions for longevity of life-span for uninterrupted service. Besides being most-economical, it has the following features for an automatic functioning:

APPLICATION DIAGRAM



- Automatic detection of smoke or fire.
- Automatic sounding of local alarm inviting attention of nearby available persons to extinguish fire by using fire extinguishers/ equipment kept in the premises.
- Auxiliary relay contact for activation of peripheral equipments like Auto Dialer, Auto Flooding System, Power Off etc.



- Features And Specification As Per **BS: 2189 - 1988**
- Full Featured Built In Testing Facility
- Four Zone With Plug-In Card For Easy Servicing
- Fully Protected Power Supply With Built In charger
- Supports All Type Of Smoke And Heat Detectors
- Built In Noise Reduction Circuit For Avoiding False Alarm
- Full Featured Fault Annunciation System With Ack. & Reset Facility
- Proven Field Tested Design
- High MTBF

SPECIFICATION

ELECTRICAL

- Supply Voltage : 230 Volt \pm 10 % A.C
- Battery Backup : 24 Volt, 7 Ah (External)
- Battery Charger : Constant Current
- System Voltage : 24 Volt
- End Of Line Resistance : 4K7 Ohm
- Open Detection Threshold: $>91.1\%$ Of System Voltage
- Fire Detection Threshold : $> 10.8\%$ And $< 51.0\%$ Of System Voltage
- Short Detection Threshold: $< 10.8\%$ Of System Voltage

PROTECTION

- A.C Fuse : 1.0 Amp.
- D.C Fuse : 2.0 Amp.
- Battery Fuse : 5.0 Amp.

AUDIO-VISUAL ALARM

- A.C Fail
- Battery Open
- Zone Input Short
- D.C Fail
- Battery Low
- Zone Input Open
- Charger Fail
- Zone Isolation

INPUT

- Maximum 25 Sensors In Each Zone (Two Wire)

OUTPUT

- For Hooter (24 Volt, 2 Amp Max.)
- Aux. Relay Change-Over Contact

TESTING

- A Full Featured Testing Of All Zones For Simulated Fire, Open And Short

PHYSICAL

- Colour : Red And Siemens Grey
- Enclosure : 16 Gauge Cold Rolled Steel Sheet
- Dimensions : 310mm x 295mm x 165mm

ENVIRONMENTAL

- Operating Temp.: 0°C to 55°C
- Max. Humidity : 95% non condensing