



GST101

Features

- ◆ Microprocessor based controller
- ◆ 1 detector zone and 2 sounder zones
- ◆ Maximum 25 detectors
- ◆ Short / open circuit detection

Descriptions

GST101 conventional fire alarm control panel is fully automatic hardwire fire alarm panel and is designed according to European Standard EN54-2. It is reliable and easy to operate.

GST101 is particularly suitable for small areas, such as residential houses, shops, schools and plant. It provides a simple and low-cost solution to protect a small space from fire.

The operation is simple. Two keys are provided to ensure only the authorized personnel can operate the panel. The display of the panel can give all the status of the system: normal, fault alarm and fire alarm.

The panel has built-in battery with automatic charger. The battery will be able to operate the system in standby mode for at least 24 hours.

GST101 fire alarm panel is compatible with most conventional fire detectors or manual call point.

Specification

1 detection loop

25 detectors with end of line resistor; or 15 detectors with active end of line unit.

Manual call point is not counted in the loop.

Loop voltage: 15 to 28 Vdc, nominal 24Vdc

Loop current in standby: < 2.4mA (15 detectors)

Loop current in alarm: 25mA

Alarming resistance: 150Ω -1.5kΩ (nominal 470Ω)

Terminal resistance: 4.7kΩ, or using active end of line unit (AEOL)

Class of wiring: class B (open loop)

Loop cable: two single non-shielded copper wire, minimum size 1 mm².

Max loop cable length: 1000m

2 supervised sounder outputs

Output voltage in alarm 20 - 28Vdc

Output voltage in standby: -7.5Vdc

Terminal resistance: 4.7kΩ

Total sounder output current: max. 1A

Cable of output loop: two single non-shielded copper wire, minimum size 1.5 mm².

Fault alarm output:

No and NC contact, 2A/24Vdc

Power supply: 220Vac, 50Hz

Backup power: 24Vdc

Backup battery: sealed lead acid, 2x12Vdc, 4Ah
Standby time: > 24 hours

Operation temperature 0 °C to 40 °C

Dimension 210 x 297 x 90 mm