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Global System Technology PLC
The Intelligent Solution

Intelligent Two/Four Loops Fire Alarm Panel GST5000/2/4



Features and Benefits



1. Graphical LCD Display.
2. 60 Zone indication including manual intervention and control panel.
3. 3 programmable alarm output
4. Networked with all GST Intelligent Fire panels.
5. Programmable form PC or via on board keypad.
6. RS485 Bus Output (Max. 64 Repeaters)
7. Built-in gas extinguishing control.
8. Integrated Security alarm facilities.
9. Advanced user-friendly programming software including 'Fuzzy Logic'.
10. Optional Color Graphics.
11. Optional Fireman's Control Panel.
12. Panel Printer included
13. Optional Color Graphics.
14. Optional Fireman's Control Panel.
15. GST5000/2 Two loops can connect up to 480 Addresses
16. GST5000/4 Two loops can connect up to 960 addresses

Description:

The GST 5000 Two and Four loops addressable fire detection control panel is modular type Intelligent Fire Alarm Control Panel. The GST 5000 provides a high quality solution at Exceptional value.

By utilizing advanced GST Protocol, the system is compatible with the complete range of GST intelligent detectors, Sounders, Call Points, Interfaces, including intrinsically safe and gaseous extinguishing control. GST 5000 is manufactured and certified to EN54 parts 2 and 4 and to BS5839 Par 4.

The GST programming facilities enables advanced and complex cause and effects to be programmed with ease, including phased and cascade evacuation scenarios.

The GST zonal indication and control facilities allow the operator to manually intervene, with evacuation and control of each zone including control of all plant equipment under an alarm condition.

Addressable security control facilities and gas release control monitoring are built in as standard, making the system ideal for many applications such as Banks, Shops, Telecommunication Centers and GSM exchanges, industrial and commercial facilities.

By utilizing the GST protocol the GST5000/2/4 can be networked with up to 32 panels, not only the GST200 single loop panel, but also with the GST200/2 twin Loop panel and the GST5000 modular 20 loop controller. Making this the perfect solution for large decentralized systems such as Shopping Centers Military campus industrial complexes, Holiday villages etc.

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Technical Specification

- Standard EN54 Part 2/4 ; BS5839 Part 4
- Loop Capacity GST5000/2: 480 addresses
GST5000/4: 960 addresses
- Loop Length 1.2Km using 1.5 mmsq.
- Main Input Voltage 220 ± 10% VAC 50/60 Hz
- Input Current Rating 1.5A
- System Operating Voltage 24 VDC Nominal (17-29 VDC)
- Standby Batteries 2 x 12AH, 24 hours
- Sounder-Alarm Circuits (3) Settable dry contact or 24Vdc Output
Output voltage 17 to 29 VDC
Output current: 1.0A
Maximum total load 1.5A
AOL 10K resistor
- Fuses Mains 1A (20mm A/S ceramic)
Sounders (2): 1A (20mm A/S)
Fire alarm Output 0.5A (20mm A/S)
Battery: 2A (20mm A/S HRC ceramic)
0.5A at 24VDC
Volt-free changeover 1.0A at 24 VDC
Maximum load 500mA at 17-28VDC
600mA
500mm x 700mm x 170 mm
- (Fire alarm) Relay Output
- Common Fault Relay Output
- 24 VDC Fused Output
- Battery Charging Current Limit
- Dimension

Selection of GST5000/2/4 compatible addressable devices and Panels

- ✓ GST200/2 Single or Twin Loops Intelligent Fire Alarm Controller
- ✓ GST5000/8 4 to 8 Loops Intelligent Fire Alarm Controller
- ✓ GST5000R/C 1-20 Loops Intelligent Fire Alarm Controller
- ✓ GST852RP LCD Passive Repeater Panel
- ✓ GST852RPX LCD Active Repeater Panel
- ✓ DI-9102 Innovation Intelligent Optical
- ✓ DI-9103 Innovation Intelligent Combined Rate of Rise and Fixed Temperature.
- ✓ I-9101 Intelligent Multi detector
- ✓ I-9102 Intelligent Optical Detector
- ✓ I-9103 Intelligent Dual Heat Detector
- ✓ I-9104 Intelligent UV Flame Detector
- ✓ I-9105R Intelligent Beam Detector
- ✓ I-9201 Addressable Manual Call points
- ✓ I-9300 Addressable Series interfaces (Complete range for all requirements)
- ✓ I-9400 Addressable Series Sounders and strobes
- ✓ I-9600 Intelligent Series Combustible gas detectors

Ordering Information:

Part No	Description	Weight/Kg	Pack Qty per Box
GST5000/2	Intelligent Two Loop Fire Alarm Panel	23.690	1
GST5000/4	Intelligent Four Loop Fire Alarm Panel	23.720	1

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Note: Specifications are subject to change without notice.

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