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Global System Technology PLC  
*The Intelligent Solution*

## Intelligent Modular 1-20 Loops Fire Alarm Control System **GST5000R/C**



### Features and Benefits

1. 19" Rack or Console type
2. 20 x Loop capacity (4840) addresses
3. Colour Graphical LCD Display.
4. Multi Zone indication including manual intervention and control panel.
5. Networked with all GST Intelligent Fire panels.
6. Programmable form PC or via on board keypad.
7. RS485 Repeater Output (Max. 64 Repeaters)
8. Built-in gas extinguishing control.
9. Integrated Security alarm facilities.
10. Advanced user friendly programming software including 'Fuzzy Logic'.
11. Optional Color Graphics.
12. Panel Printer included

### Description

The GST 5000 is an intelligent fire alarm control panel. Mounted in either rack or console type housing it provides the perfect solution for all medium to large system by utilizing advance GST Protocol.

The system is compatible with the complete range of GST Intelligent detectors, Sounders, Call Points, and 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 zone 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.

By utilizing the GST protocol the GST5000 can be networked with up to 32 panels, not only the GST200 single loop panel, but also with the GST5000 4 Loops panel and the GST5000 8 loops panel, making this the perfect solution for large decentralized systems such as Shopping Centers Military campus industrial complexes, Holiday villages etc.

With up to 4840 two-wire fire alarm linkage control points that can also be intelligent be connected with many serial products (ex. digital detector, analogue detector, intelligent detector, control module and multi-wire control panel). Therefore this solution provides a flexible solution for large building of two-wire and multi-wire integrated alarm & linkage equipment, GST 5000 intelligent linkage controller is the best choice for fire protection engineering.

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### Technical Specification

- Standard EN54 Part 2/4 ; BS5839 Part 4
- Loop Capacity GST5000/2: 480 devices  
GST5000/4: 960 devices
- Main Input Voltage 220 ± 10% VAC 50/60 Hz
- Input Current Rating 3A
- System Operating Voltage 24 VDC Nominal (17-29 VDC)
- Standby Batteries
  - Twin 12volt Battery (panel) 40Ah, 24hours
  - Twin 12volt Battery (PSU) Ampere-Hour according to the load application
- Sounder Circuits (2) Output voltage 17 to 29 VDC
  - Output current: 1.0A
  - Maximum total load 1.5A
  - EOL 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)
- (Fire alarm) Relay Output 0.5A at 24VDC
- Common Fault Relay Output Volt-free changeover 1.0A at 24 VDC
- 24 VDC Fused Output Maximum load 500mA at 17-28VDC
- Battery Charging Current Limit 600mA
- Dimension 580mm x 520mm x 1873mm ( Rack type)  
1080mm x 1113mm x 1350 mm (2bay console)

### Selection of GST5000R/C compatible addressable devices and Panels

- ✓ GST200/2 Single or Twin Loops Intelligent Fire Alarm Controller
- ✓ GST5000/2/4 2 to 4 Loops Intelligent Fire Alarm Controller
- ✓ GST5000/8 5 to 8 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-9200 Addressable Series 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
GST5000R	Intelligent Modular 1-20 Loop Fire Alarm Control Panel ( Rack type)	75.00	1
GST5000C	Intelligent Modular 1-20 Loop Fire Alarm Control Panel (2bay Console type)	105.00	1

MANUFACTURED IN ACCORDANCE WITH



Note: Specifications are subject to change without notice

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