



www.gst.uk.com  
info@gst.uk.com



Global System Technology PLC  
*The Intelligent Solution*

## Intelligent 8 Loop Fire Alarm Control System GST-IFP8

### Features and Benefits

- Listed to LPCB
- 8 x Loops (242) capacity (1936) addressable points
- Maximum 10 Loops Standalone
- Modular constructed for future expansion
- 40 x15 lines Colour Graphical LCD Display.
- Up to 999 programmable zones and 140 zone indication
- Auto Programming Day and Night Mode
- Enable and Disable function
- PAS and Acknowledge Function
- Dirty Detector Reporting
- Duplicate Address Checking
- Device Mismatch
- Walk Test Function with optional silent mode
- Can edit device detailed and programmed
- Programmable from PC or Panel
- History record-999 fire incident only and 999 event capacity in non-volatile memory Fully simulation of Cause and Effect
- Advanced user friendly programming software including 'Fuzzy Logic'.
- Networked with all GST Intelligent Fire panels up to 99 Nodes, Optional Fiber Optic and LAN Network Interface.
- RS 485 mimic and repeater output up 64
- RS 232-USB CRT interface, including GSTGMC graphic
- Built in Fire Alarm, FPE, Fault and Alarm Router output
- Panel Printer included
- Built in Battery charger.

### Description

The GST-IFP8 is an intelligent fire alarm control panel. Flush-mounted 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. IFP8 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.

With added commission features such as duplicate address checking, device mismatch and editing device detailed and programmed through the control panel makes the task of commissioning engineer very simple.

By utilizing the GST protocol the GST-IFP8 can be networked with up to 99 panels, not only the GST200 single loop panel, but also with the GST5000/2/4 Loops panel and the GST5000 modular 20 panel, making this the perfect solution for large decentralized systems such as Shopping Centers Military campus industrial complexes, Holiday villages etc.

With up to 2,420 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).

#### GST England

Lion Court, Staunton Harold Hall, Melbourne Road, Ashby de la Zouch, Leicestershire, England LE65 1RT Tel: +44 1283 225 478 Fax: +44 1283 220 690

#### GST Dubai

ZA04, Jebel Ali Free Zone, P.O.Box 17998, Dubai UAE  
Tel: +971 (0)4 8833 050 Fax: +971 (0)4 8833 053

#### GST China

80, Changjiang East Road, Economic & Technology Development Zone Qinhuangdao, Hebei, China Tel: +86(0)335 850 2383 Fax: +86 (0)335 850 7588



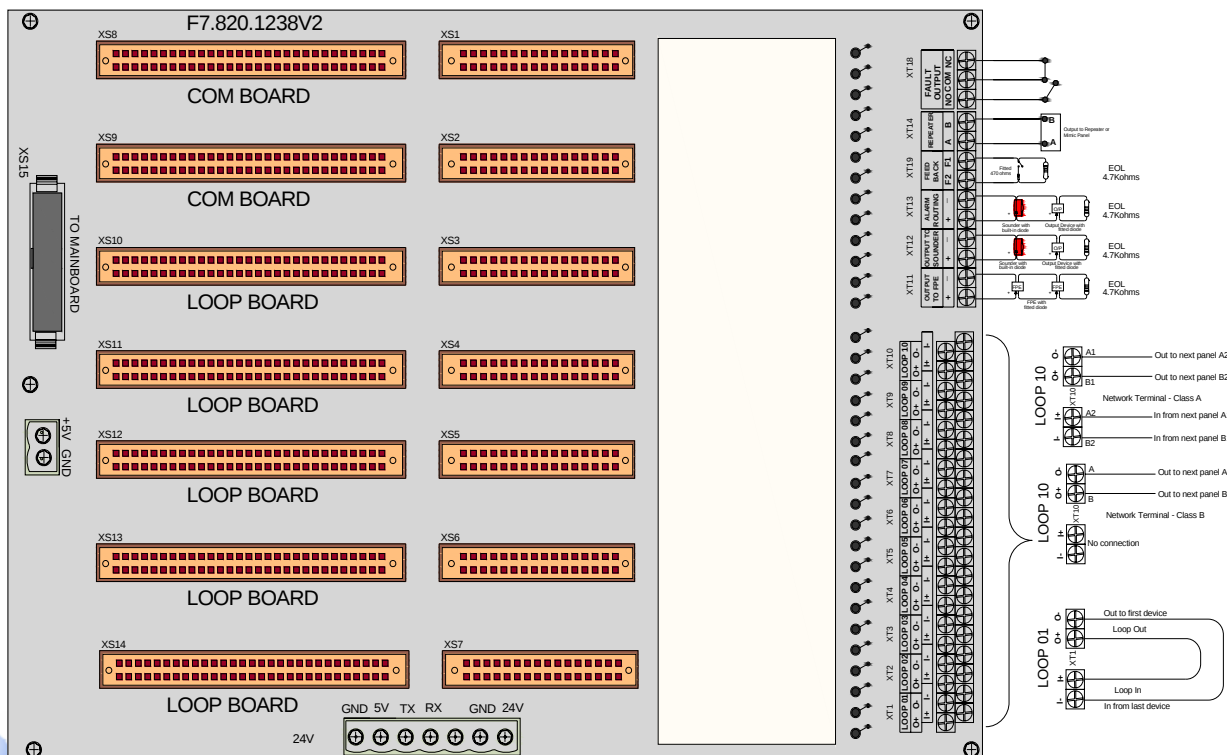
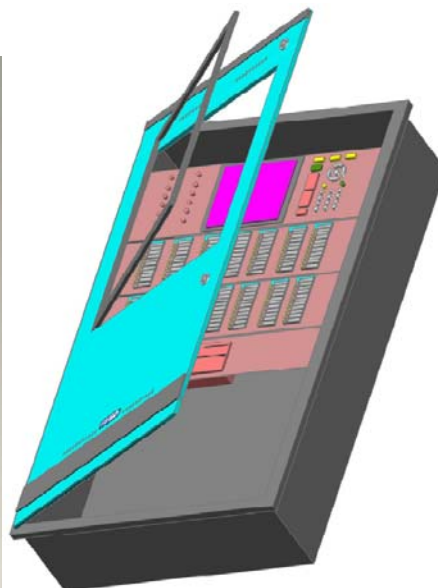
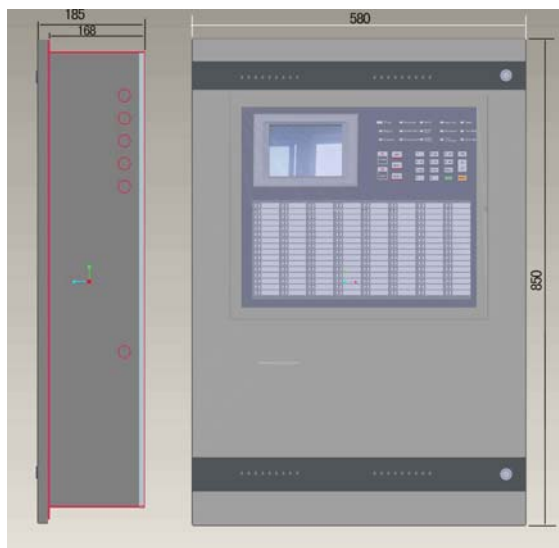
www.gst.uk.com  
info@gst.uk.com



Global System Technology PLC  
The Intelligent Solution

## Intelligent 8 Loop Fire Alarm Control System GST-IFP8

### Dimension and Board Diagram



#### GST England

Lion Court, Staunton Harold Hall, Melbourne Road, Ashby de la Zouch,  
Leicestershire, England LE65 1RT Tel: +44 1283 225 478 Fax: +44 1283 220 690

#### GST Dubai

ZA04, Jebel Ali Free Zone, P.O.Box 17998, Dubai UAE  
Tel: +971 (0)4 8833 050 Fax: +971 (0)4 8833 053

#### GST China

80, Changjiang East Road, Economic & Technology Development Zone  
Qinhuangdao, Hebei, China Tel: +86(0)335 850 2383 Fax: +86 (0)335 850 7588



www.gst.uk.com  
info@gst.uk.com



Global System Technology PLC  
The Intelligent Solution

## Intelligent 8 Loop Fire Alarm Control System GST-IFP8

### Technical Specification

- Standard EN54 Part 2/4 ; BS5839 Part 4
- Approvals LPCB
- Main Input Voltage 220  $\pm$  10% VAC 50/60 Hz
- Input Current Rating 1Ampere
- System Operating Voltage 24 VDC Nominal (20-27 VDC)
- Loop Capacity Loop 10:242- Address per loop
- Loop Length 1.00mm<sup>2</sup>-800M-Full Load
- 1.5mm<sup>2</sup>-1.2Km-Full Load
- 2.0mm<sup>2</sup>-1.5Km-Half Load
- Loop Topology Class A and Class B
- Zone Capacity 999 Zones programmable
- Sounder Circuits (3) Fire Routing: 200mA /24Vdc/4.7K $\Omega$  EOLR
- F.P.E. Output: 500mA /24Vdc/4.7K $\Omega$  EOLR
- Sounder Circuit Output: 1A /24Vdc/4.7K $\Omega$  EOLR
- Dry Contact: Optional C-9302 module
- Mains 2A (20mm A/S ceramic)
- Battery: 2A (20mm A/S HRC ceramic)
- Volt-free changeover 1.0A at 24 VDC
- Maximum load 500mA at 17-28VDC
- Twin 12 Vdc Bat;38AH
- 2A/24Vdc
- Outer: 850 x 484 x 185 mm
- Inner: 804 x 440 x 150 mm
- Fuses
- Common Fault Relay Output
- 24 VDC Fused Output
- Standby Batteries
- Battery Charging Current Limit
- Dimension: (HLW)

### Selection of GST-IFP8 compatible addressable devices and Panels

- ✓ GSTGMC Colour Graphic and Display System
- ✓ GST200-2/N Fire Alarm Panel
- ✓ GST5000W/2/4 Intelligent Fire Alarm Controller
- ✓ GST5000R/C 1-20 Loops Intelligent Fire Alarm Controller
- ✓ GSTGMC Graphic Monitor Software
- ✓ GST-NRP01 Network Repeater Panel
- ✓ GST852RP LCD Passive Repeater Panel
- ✓ GST8903 Mimic Panel
- ✓ DI-910N Digital Intelligent Detector Series
- ✓ DI-920N Digital Manual Call Point Series
- ✓ DI-9400 Addressable Sounder Series
- ✓ I-910N Intelligent Analogue Detector Series
- ✓ I-9202 Addressable Manual Call Point Series
- ✓ 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                                                                                                | Pack Qty per Box |
|----------|------------------------------------------------------------------------------------------------------------|------------------|
| GST-IFP8 | Modular Intelligent 8 Loop Fire Alarm Panel                                                                | 1                |
| LCIFP8   | Dual Loop Card -484 Addressable devices capacity                                                           | 1                |
| P-9935   | Compatible with USB and Serial Port, RS 232 Communication Card for System Commissioning and GMC connection | 1                |
| P-9945   | RS 485 Network Card, Serial Connection (Class B) 1.2 Km Range                                              | 1                |
| P-9945A  | RS 485 Network Card, Serial Connection (Class A) 1.2 Km between Panels                                     | 1                |
| P-9946   | RS 485 Repeater Card                                                                                       | 1                |

MANUFACTURED IN ACCORDANCE WITH



Note: Specifications are subject to change without notice

**GST England** Lion Court, Staunton Harold Hall, Melbourne Road, Ashby de la Zouch, Leicestershire, England LE65 1RT Tel: +44 1283 225 478 Fax: +44 1283 220 690

**GST Dubai** ZA04, Jebel Ali Free Zone, P.O.Box 17998, Dubai UAE  
Tel: +971 (0)4 8833 050 Fax: +971 (0)4 8833 053

**GST China** 80, Changjiang East Road, Economic & Technology Development Zone Qinhuangdao, Hebei, China Tel: +86(0)335 850 2383 Fax: +86 (0)335 850 7588