GST

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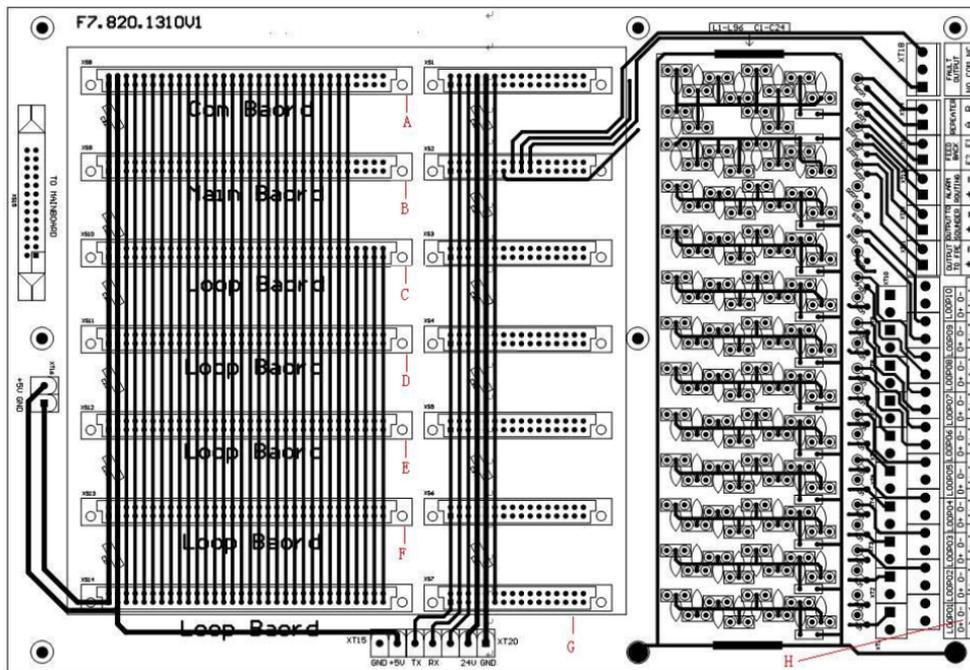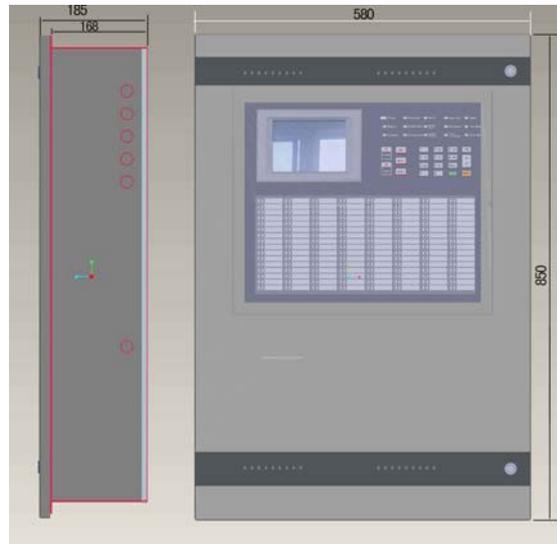
By utilizing the GST protocol the GST-IFP8 can be networked with up to 99 panels, not only the GST200 single loop panel, but also with the GST5000/2/4 Loops panel and the GST5000 modular 20 panel, making this the perfect solution for large decentralized systems such as Shopping Centers Military campus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

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GST-IFP8

Dimension and Board Diagram

Fault Output Dry Contact Connection

RS 485 Repeater Radial Connection

Alarm Router Monitoring Connection

Alarm Output Connection
24VDC/200mA/4.7KΩEOL

Sounder Output Connection
24VDC/1A/4.7KΩEOL

F.P.E.Output Connection
24VDC/500mA/4.7KΩEOL

Loop 9 & 10 Connection
RS 485 Class A/B Network or Loop connection

Loop 1 & 8 Connection
Loop connection

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Technical Specification

- Standard — EN54 Part 2/4 ; BS5839 Part 4
- Approvals — LPCB
- Main Input Voltage — 220 ± 10% VAC 50/60 Hz
- Input Current Rating — 1Amphere
- System Operating Voltage — 24 VDC Nominal (20-27 VDC)
- Loop Capacity — Loop 10:242- Address per loop
- Loop Length — 1.00mm²-800M-Full Load
  1.5mm²-1.2Km-Full Load
  2.0mm²-1.5Km-Half Load
- Loop Topology — Class A and Class B
- Zone Capacity — 999 Zones programmable
- Sounder Circuits (3) — Fire Routing: 200mA /24Vdc/4.7KΩ EOLR
  F.P.E. Output: 500mA /24Vdc/4.7KΩ EOLR
  Sounder Circuit Output: 1A /24Vdc/4.7KΩ EOLR
  Dry Contact: Optional C-9302 module
- Fuses — Mains 2A (20mm A/S ceramic)
  Battery: 2A (20mm A/S HRC ceramic)
- Common Fault Relay Output — Volt-free changeover 1.0A at 24 VDC
- 24 VDC Fused Output — Maximum load 500mA at 17-28VDC
- Standby Batteries — Twin 12 Vdc Bat;38AH
- Battery Charging Current Limit — 2A/24Vdc

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