

# GST-IFP8 Intelligent Fire Alarm Control Panel



## Description

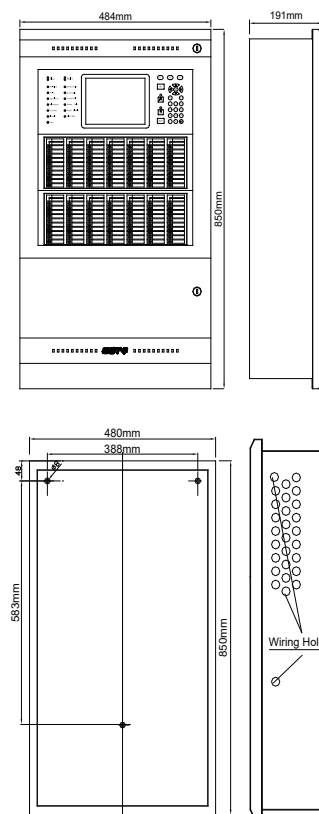
GST-IFP8 Intelligent Fire Alarm Control Panel (FACP) is designed to comply with EN54-2 and EN54-4 standard with qualities of simple installation, operation, and easy maintenance. Modularized structure allows the panel to be expanded to maximum 8 loops, 1936 devices can cover most medium projects.

## Features and Benefits

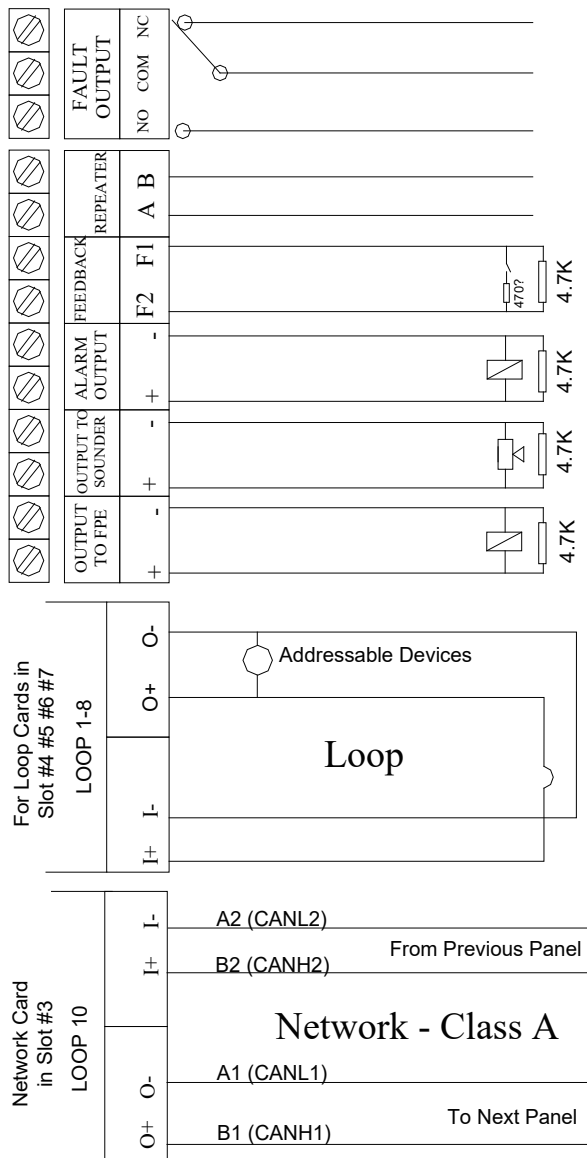
- Max.999 zones, 140 of which has its own alarm and fault/disable LEDs and a label
- Maximum 8 Class A loops, each with up to 242 addressable devices
- 15\*40 LCD screen, assisting the 17 LEDs to display important information
- Compatible with full series of GST EN addressable and digital products
- Non-Volatile memory ensures not loss of data even if power supply is accidentally removed
- Sounder strobe output provides 1A/24V load, capable connecting conventional sounders
- RS232 interface enables communication with PC
- RS485 interface enables networking
- RS485 interface for connecting repeaters

## Installation Data

GST-IFP8 FACP is wall-mount/flush-mount combined. Its appearance and the mounting holes are shown here.



## Terminals



Loop and Network:

Maximum 8 loops for standalone panel, the network card will occupy one slot.

Beware of the polarization for both loop and network connection.

Active outputs:

3 active outputs are provided for general alarm (200mA), sounder circuit (1000mA) and fire protection equipment (200mA), at 24VDC with cable monitoring. A 4k7 EOLR is required.

Repeater output:

Linked with the top slot, RS485 mode

Fault output:

A general fault output is provided with both NO and NC contact. The relay will be engaged when panel is in normal status, and discharged whenever any fault occurs or powered off.

Feed Back:

Designed to collect status of alarm signal transmission

## Cable Requirement

Loop: Min. 1.0mm<sup>2</sup>, ideally 1.5mm<sup>2</sup>, 1500 meters

Network: Min. 1.0mm<sup>2</sup>, ideally 1.5mm<sup>2</sup>, 1200 meters

Active Outputs: Min. 1.5mm<sup>2</sup>, ideally 2.5mm<sup>2</sup>

**All cables should be fire rated and follow local codes.**

## Certificates and Compliance

- Standards: EN54-2, EN54-4
- Certifications: LPCB

## Technical Specification

|                         |  |
|-------------------------|--|
| Primary Supply          | 220/230VAC, 50/60Hz  |
| AC Current              | 1A   |
| Standby Power           | 38AH/24VDC   |
| Max. Battery Resistance | 0.7 Ω  |
| Loop Capacity           | 2 - 8 Loops  |
| Zone Capacity           | 999 (140 with individual alarm/fault indicator and label)                                      |
| Device Loop             | 242 addresses per loop   |
| Printer                 | Thermal<br>ASCII code printer  |
| Display                 | 15(lines) x 40(characters), LCD  |
| Network(RS485)          | Class A, Max. 32 panels (by card)  |
| Network(CAN)            | Class A, Max. 100 panels (by card)<br>Class B, Max. 240 panels (by card and other accessories) |
| PC Port                 | RS232/USB interface (by card)  |
| Protection              | IP30   |
| Operating Environment   | 0°C ~ +40°C<br>≤95%, non-condensing  |
| Dimensions              | 484mm(W)x850mm(H)x191mm(D)   |

## Order Information

|             |                                      |
|-------------|--------------------------------------|
| Part No.    | GST-IFP8                             |
| Device Name | Intelligent Fire Alarm Control Panel |
| Product No. | 10104799                             |

## Variant Models

| Part No.    | Product No. | Property         |
|-------------|-------------|------------------|
| GST-IFP8-FR | 10105167    | French Model     |
| GST-IFP8-HU | 10104675    | Hungarian Model  |
| GST-IFP8-IT | 10105166    | Italian Model    |
| GST-IFP8-PT | 10104673    | Portuguese Model |
| GST-IFP8-SP | 10105165    | Spanish Model    |
| GST-IFP8-TK | 10105168    | Turkish Model    |

## Compatible Devices

### Networks:

GST200-2 Intelligent Fire Alarm Panel  
 GST200N Intelligent Fire Alarm Panel  
 GSTGMC Graphic Monitor Software  
 GST-NRP00 Network Repeater Panel  
 GST852RP LCD Passive Repeater Panel  
 GST8903 Mimic Panel

### Loop Devices:

DI-910xE Series Digital Intelligent Detector  
 I-910x Series Intelligent Analogue Detector  
 DI-9204E Addressable Manual Call Point  
 I-930x Series Addressable interfaces  
 I-940x Series Addressable Sounders and Strobes  
 C-9503E Line Isolator  
 DC-9504E Isolator Base  
 I-960x Series Intelligent Combustible Gas Detectors

## Accessories and Tools



Part No.: LCIFP8  
 Device name: Dual Loop Card  
 Product No.: 20101304



Part No.: P-9935  
 Device name: RS232 Communication Card  
 Product No.: 20101320



Part No.: P-9935ModBus  
 Device name: ModBus Communication Card  
 Product No.: 20101832



Part No.: P-9935TCPIP  
 Device name: TCP/IP interface card  
 Product No.: 20102061



Part No.: P-9945RP  
 Device name: Repeater Card  
 Product No.: 20101619



Part No.: P-9945A  
 Device name: RS485 Class A Network Card  
 Product No.: 20101377



Part No.: P-9965  
 Device name: CAN Class B Network Card  
 Product No.: 20101850



Part No.: P-9965A  
 Device name: CAN Class A Network Card  
 Product No.: 20102067



Part No.: P-9904  
 Device name: USB Printer Interface  
 Product No.: 20101639