

LPCB

# 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.

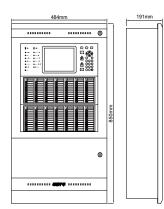
## **Features and Benefits**

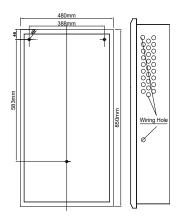
- Max.999 zones, 140 of which has its own alarm and fault/disable LEDs and a label
- Maximum 8 Class A loops, each with up to 242 addressable devices
- 15\*40 LCD screen, assisting the 17 LEDs to display important information
- Compatible with full series of GST EN addressable and digital products
- 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.

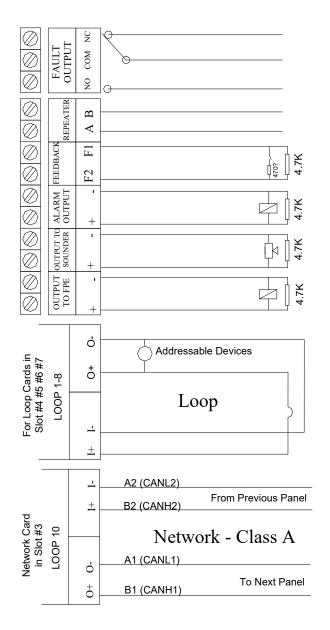




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## Terminals



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:	$Min. \ 1.0mm^2, \ ideally \ 1.5mm^2, \ 1200 \ meters$
Active Outputs:	Min. 1.5mm <sup>2</sup> . ideally 2.5mm <sup>2</sup>

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

#### Loop and Network:

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

## **Certificates and Compliance**

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

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# **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 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) 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 ≤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.: Device name: Product No.:

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Part No.: Device name: Product No.:

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

P-9935 RS232 Communication Card 20101320

P-9935ModBus ModBus Communication Card 20101832

P-9935TCPIP TCP/IP interface card 20102061

P-9945RP Repeater Card 20101619

P-9945A RS485 Class A Network Card 20101377

P-9965 CAN Class B Network Card 20101850

P-9965A CAN Class A Network Card 20102067

P-9904 USB Printer Interface 20101639

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