GST-IFP8

Intelligent Fire Alarm Control Panel

LPCB 548p/02   CE 0832-CPD-1215

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.
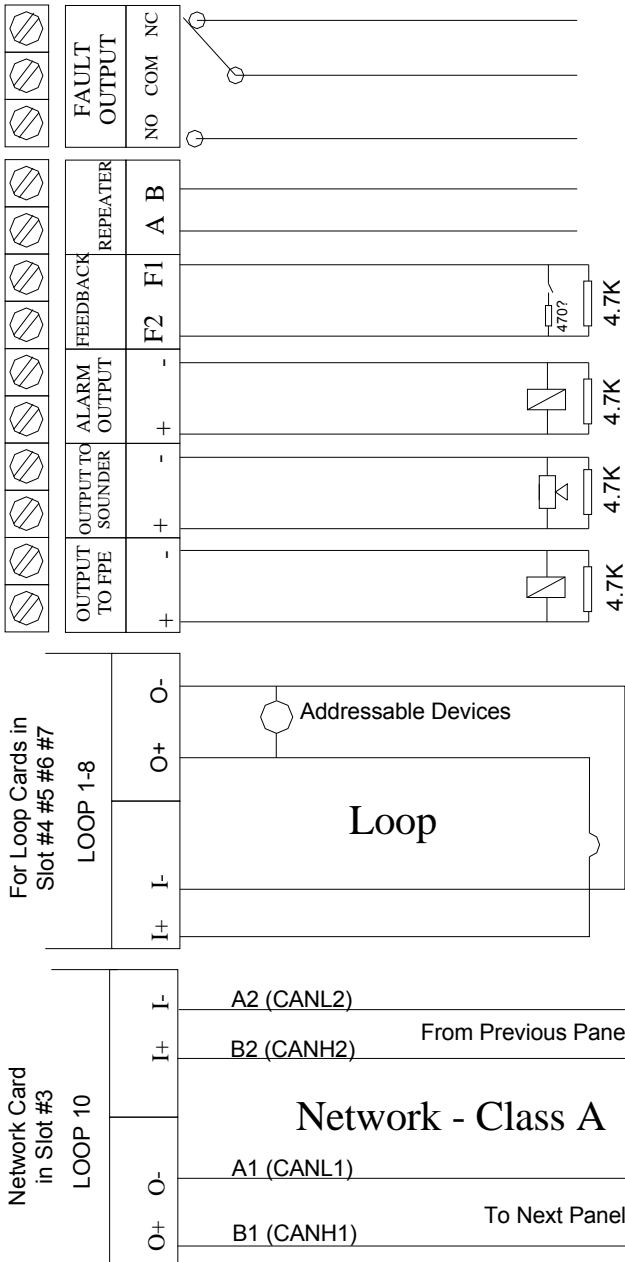
Features and Benefits

- 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: Minimum 1.0mm^2, ideally 1.5mm^2, 1500 meters

Network: Minimum 1.0mm^2, ideally 1.5mm^2, 1200 meters

Active Outputs: Minimum 1.5mm^2, ideally 2.5mm^2

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 ASCII code printer
Display	15(lines) x 40(characters), LCD
Network(RS485)	Class A, Max. 32 panels (by card) Class A, Max. 100 panels (by card)
Network(CAN)	Class B, Max. 240 panels (by card and other accessories)
PC Port	RS232/USB interface (by card)
Protection	IP30
Operating	0°C ~ +40°C
Environment	≤95%, non condensing
Dimensions	484mm(W)x850mm(H)x191mm(D)

Order Information

Part No.	GST-IFP8
Device Name	Intelligent Fire Alarm Control Panel
Order Code	1004799

Variant Models

Part No.	Order Code	Property
GST-IFP8-FR	1005167	French Model
GST-IFP8-HU	1004675	Hungarian Model
GST-IFP8-IT	1005166	Italian Model
GST-IFP8-PT	1004673	Portuguese Model
GST-IFP8-SP	1005165	Spanish Model
GST-IFP8-TK	1005168	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
	Order Code:	3631304
	Part No.:	P-9935
	Device name:	RS232 Communication Card
	Order Code:	3671320
	Part No.:	P-9935ModBus
	Device name:	ModBus Communication Card
	Order Code:	3671832
	Part No.:	P-9935TCPIP
	Device name:	TCP/IP interface card
	Order Code:	3672061
	Part No.:	P-9945RP
	Device name:	Repeater Card
	Order Code:	3671619
	Part No.:	P-9945A
	Device name:	RS485 Class A Network Card
	Order Code:	3661377
	Part No.:	P-9965
	Device name:	CAN Class B Network Card
	Order Code:	3661850
	Part No.:	P-9965A
	Device name:	CAN Class A Network Card
	Order Code:	3662067
	Part No.:	P-9904
	Device name:	USB Printer Interface
	Order Code:	3601639