

GST200N Series

Intelligent Fire Alarm Control Panel

548p/07
548p/112831-CPR-F1691
GST-0204-01172831-CPR-F0172
GST-0204-0109

Description

GST200N Intelligent Fire Alarm Control Panels are designed in comply with EN54-2 and EN54-4 standard with qualities of simple installation, operation, and easy maintenance. 1-2 loop addressable panel is suitable for small buildings like office, restaurant, store, shop, etc.

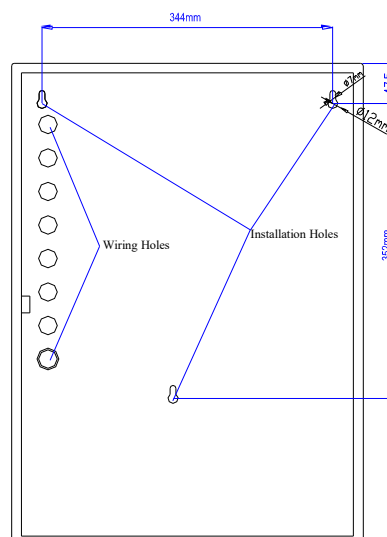
Features and Benefits

- Max. 30 zones. Each zone has its own alarm and fault/disable indicator and a label
- Single loop panel capacity 235 addressable devices
- 2-loop panel capacity 477 addressable devices
- Compatible with GST intelligent and digital products
- 8X18 characters LCD screen
- 15 LEDs to display important information
- Non-Volatile memory ensures no loss of data even if power supply is accidentally removed
- Wide range power supply

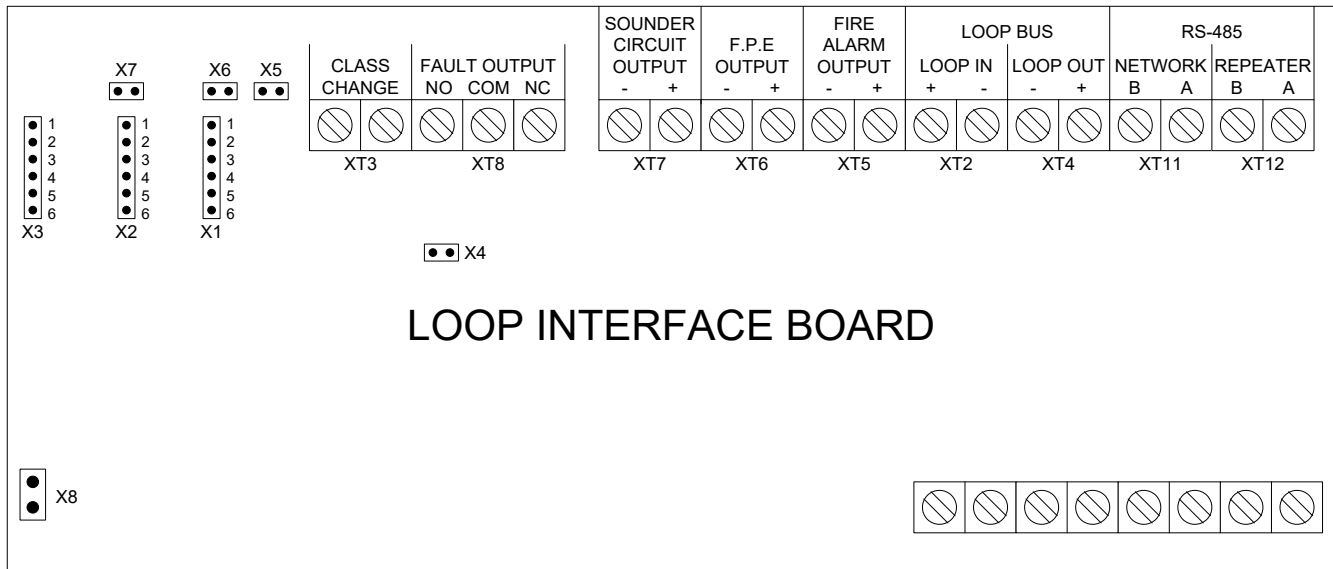
- Sounder strobe output provides 0.5A/24V load, compatible with GST conventional sounders
- RS232 interface enables communication with PC
- RS485 or CAN interface enables networking

Installation Data

GST200N panel is wall-mount/flush-mount combined. Its appearance and the mounting holes are shown here.



Terminals



LOOP INTERFACE BOARD

Loop(s):

The 2-loop panel adapts an additional loop card. Class A type connection should be applied, from Loop Out to Loop IN. Beware of the polarization.

Network:

A network card will be used for connecting into GST network. Beware of the polarization.

Active outputs:

3 active outputs are provided for general alarm (500mA), sounder circuit (500mA) and fire protection equipment (500mA), at 24VDC with cable monitoring. A 4.7kΩ EOLR is required. Each can be set NO, NC or Active.

Repeater output:

Linked with the main board, individual line from network

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.

Class Change:

Remote control of Sounder Circuit output

Certificates and Compliance

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

Cable Requirement

Loop: Min. 1.0mm², ideally 1.5mm², 1500 meters

Network: Min. 1.0mm², ideally 1.5mm², 1200 meters

Active Outputs: Min. 1.5mm², ideally 2.5mm²

All cables should be fire rated and follow local codes.

Technical Specification

Primary Supply	100-240VAC, 50/60Hz
AC Current	1.5A
Standby Power	21AH/24VDC
Max. Battery Resistance	1 Ω
Loop Capacity	1 or 2 loops
Zone Capacity	30
Device Capacity	235 for 1 st loop 242 for 2 nd loop
Printer	Optional Thermal ASCII code printer
Display	8(lines) x 18 (characters), LCD
Network(RS485)	Class A, Max. 32 panels (by card)
Network(CAN)	Class A, Max. 240 panels (by card) Class B, Max. 240 panels (by card and other accessories)
PC Port	RS232/USB interface (by card)
Protection	IP30, for indoor use only
Operating Environment	0°C ~ +40°C ≤95%, non-condensing
Dimensions	420mm(W) x 580mm(H) x 202mm(D)
Weight	17.5kg

Order Information

Part NO.	GST200N
Device Name	Intelligent Fire Alarm Control Panel

Part NO.	Product No.	Property
GST200N-1	10105118	Single loop version
GST200N-2	10104784	2-loop version
GST200N-FR	10105123	French Model, 1-loop
GST200N-HU	10105121	Hungarian Model, 1-loop
GST200N-IT	10105122	Italian Model, 1-loop
GST200N-PT	10105119	Portuguese Model, 1-loop
GST200N-SP	10105120	Spanish Model, 1-loop
GST200N-TK	10105124	Turkish Model, 1-loop
GST200N-HK	10105152	Hong Kong Model, 1-loop
GST200N-RO	10105517	Romanian Model, 1-loop

Compatible Devices

Networks:

GST-IFP8 Intelligent Fire Alarm Control Panel
 GST200N Series Intelligent Fire Alarm Panel
 GST200-2 Series 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-950xE Series Line Isolators
 DC-9504E Base Mount Isolator
 I-960x Series Intelligent Combustible Gas Detectors

Accessories



Part No.: LC200
 Device name: Loop Card
 Product No.: 20101370



Part No.: P-9930
 Device name: RS232 Communication Card
 Product No.: 20103426



Part No.: P-9940A
 Device name: RS485 Class A Network Card
 Product No.: 20100994



Part No.: P-9960
 Device name: CAN Class B Network Card
 Product No.: 20101849



Part No.: P-9960A
 Device name: CAN Class A Network Card
 Product No.: 20103142



Part No.: P-9930ModBus
 Device name: ModBus Communication Card
 Product No.: 20101830



Part No.: P-9930TCPIP
 Device name: TCP/IP interface card
 Product No.: 20102319

GST-IFP8

Intelligent Fire Alarm Control Panel



548p/02

2831-CPR-0984
GST-0204-0109

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.

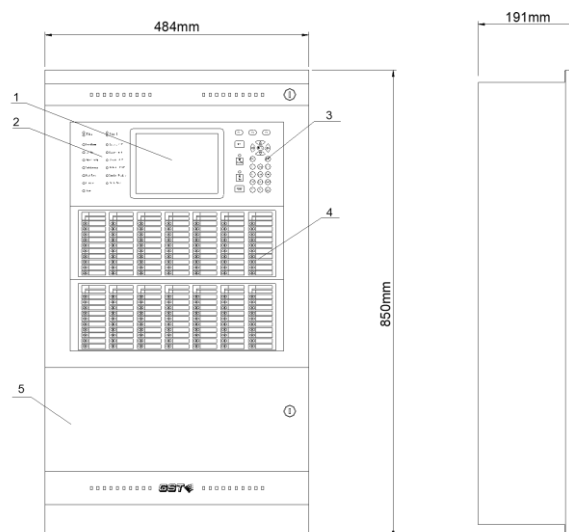
Features and Benefits

- 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.



IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.

LOOP1	LOOP2	LOOP3	LOOP4	LOOP5	LOOP6	LOOP7	LOOP8	LOOP9	LOOP10	OUTPUT TO FPE	OUTPUT TO SOUNDER	ALARM ROUTING	FEED BACK	REPEATER	FAULT OUTPUT		
O+ O-	O+ O-	O+ O-	O+ O-	O+ O-	O+ O-	O+ O-	O+ O-	O+ O-	O+ O-								
I+ I-	I+ I-	I+ I-	I+ I-	I+ I-	I+ I-	I+ I-	I+ I-	I+ I-	I+ I-	+	--	+	--	F2 F1	A B		
															NO COM NO		

Designed to collect status of alarm signal transmission.

Page 2 / 3

Technical Specification

Primary Supply	220/230VAC, 50/60Hz
AC Current	1A
Standby Power	38AH/24VDC
Max. Battery Resistance	0.7 Ω
Loop Capacity	2/4/6/8 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, for indoor use only
Operating Environment	0°C ~ +40°C ≤95%, non-condensing
Dimensions	484mm(W)x850mm(H)x191mm(D)
Weight	25.4kg

Order Information

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

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



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