GST200N Series Intelligent Fire Alarm Control Panel
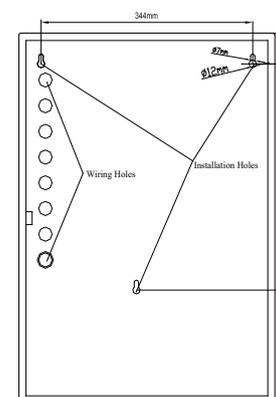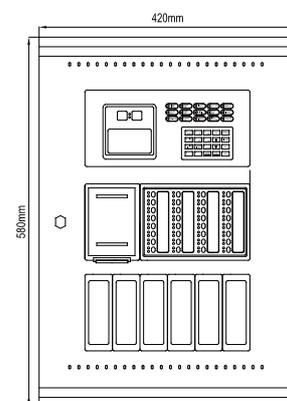
Description

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
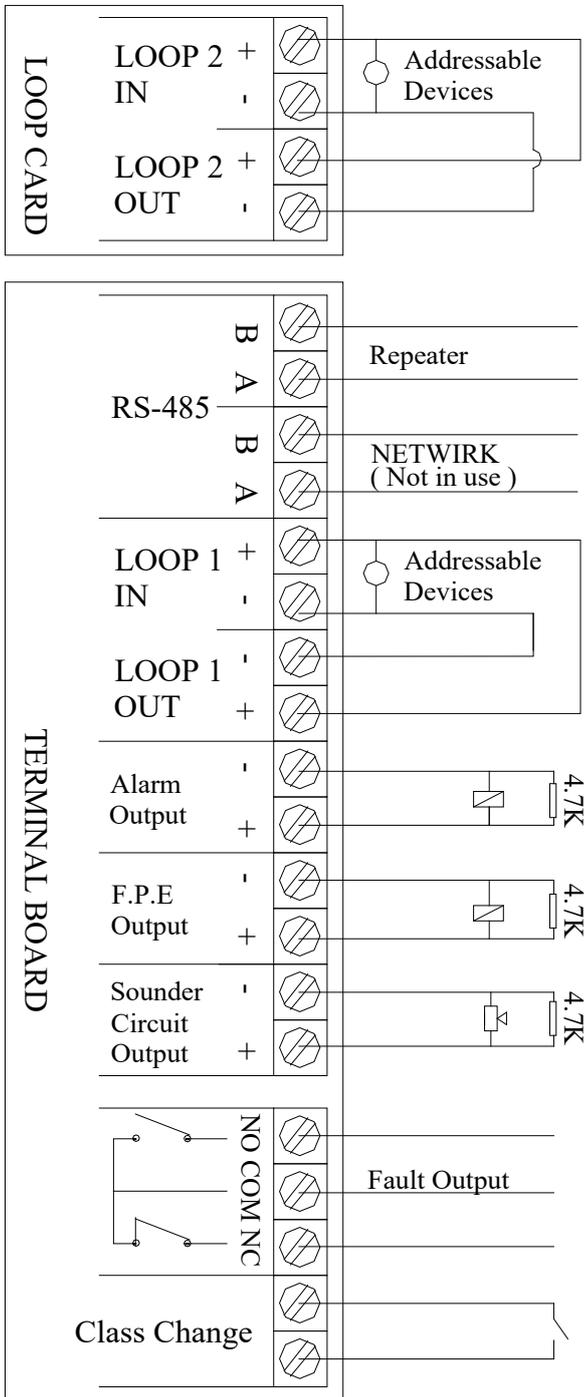- RS485 or CAN interface enables networking

Installation Data

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

420mm

580mm

344mm

φ7mm

φ12mm

47.5

352mm

Wiring Holes

Installation Holes

© Gulf Security Technology Co., Ltd.

https://www.gst.com.cn/en/about.asp

DS10105118

Terminals

LOOP CARD

LOOP 2 + / − IN → Addressable Devices

LOOP 2 + / − OUT

TERMINAL BOARD

RS-485
- B A — Repeater
- B A — NETWIRK (Not in use)

LOOP 1 + / − IN → Addressable Devices

LOOP 1 − / + OUT

Alarm Output − / + — 4.7K

F.P.E Output − / + — 4.7K

Sounder Circuit Output − / + — 4.7K

NO COM NC — Fault Output

Class Change

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 4k7 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

Cable Requirement

Loop: Min. 1.0mm^2, ideally 1.5mm^2, 1500 meters
Network: Min. 1.0mm^2, ideally 1.5mm^2, 1200 meters
Active Outputs: Min. 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	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 1st loop 242 for 2nd 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
Operating Environment	0°C ~ +40°C ≤95%, non-condensing
Dimension	406(W) X 666(H) X 130(D) mm^2

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