GST-M200
Intelligent Fire Alarm Control Panel

SIGNALING
UL LISTED
Fire Alarm Equipment
47BP

Description

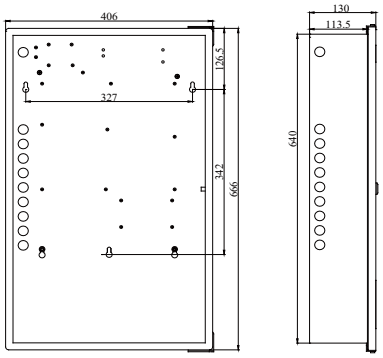
GST-M200 Intelligent Fire Alarm Control Panel (FACP) complies to UL864 standard with features of easy installation, operation and maintenance. All circuit boards are installed in a metal cabinet, providing a complete fire control system for most applications.

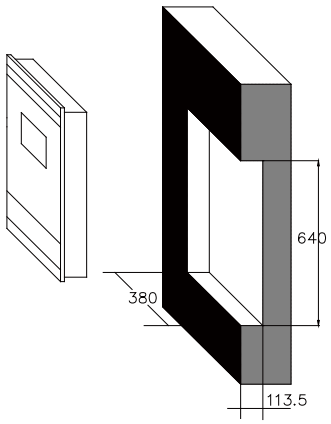
Features and Benefits

- Single ring loop which meets Style 6 (Class A) requirement
- 240 addressable devices
- Optional 2 loops with additional loop card
- LCD display unit of 128 X 64
- History file with 1,000 events capacity
- “Walk Test”, silent or audible
- PAS (positive Alarm Sequence) per point (NFPA72 compliant)
- Auto silent timer option per NAC. The time duration is 5minutes.
- Password and key-protected nonvolatile memory
- Fully programmable from local keypad and from a pc
- Signaling Line Circuit (SLC) operates up to 4000 ft through twisted pair with cross section 17AWG (1.02mm^2)

Installation Data

The FACP can be flush-mounted or wall-mounted. Its appearance and the mounting method are shown here.





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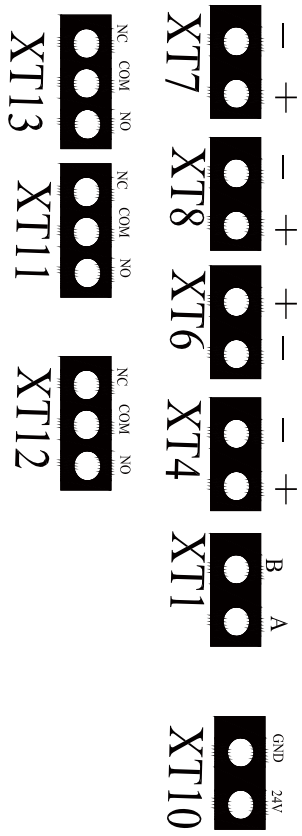
Terminals



SLC (Signaling Line Circuit) LOOP (XT4 & XT6):
Style 6 (Class A) loop connection, provides communication to addressable detectors.

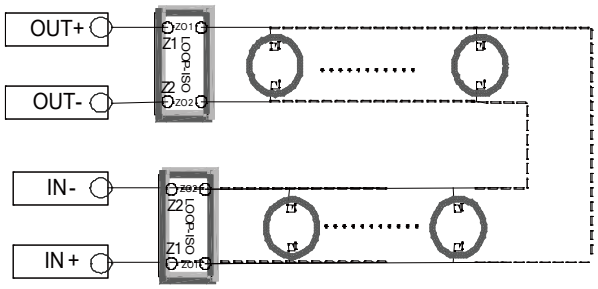
NAC (Notification Appliance Circuit) XT8 (NAC1) & XT7 (NAC2):
Style Y (Class B) output port, outputs when there is fire alarm, maximum 1.2A for each circuit.

ALARM (COM, NC, NO) (XT11): Dry contact output energized in case of fire, rated 2.0A @ 30VDC.
FAULT (COM, NC, NO) (XT12): Dry contact output energized in case of fault, rated 2.0A @ 30VDC.
Supervisory (COM, NC, NO) (XT13): Dry contact output energized in case of abnormal conditions, rated 2.0A @ 30VDC.

Auxiliary 24VDC (XT10): Power limited output, maximum 0.75A.

Typical Connections

Signaling Line Circuits (SLC) loop connection is shown below.



Cable Requirement

Loop:	Minimum 17AWG, ideally 14AWG
Network:	Minimum 17AWG, ideally 14AWG
Active Outputs:	Minimum 16AWG, ideally 12AWG

All cables should be fire rated and follow local codes.

Certificates and Compliance

- Standards: UL864 / NFPA72
- Certifications: UL
- WEEE & RoHS Compliant

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Technical Specification

Primary AC	120-220VAC, 50/60Hz
Power Consumption	Max. 2A
Backup Battery	20AH/24V
Loop Quantity	1 or 2
Device per loop	240 per loop
NAC output	2 Class B, 1.2A@24VDC each
Relay output	Fixed, Alarm/Fault/Supervisory
Auxiliary Power	Standby: 0.05A Max.: 0.75A
Display	128 X 64, LCD
Pc connection	RS232
Network connection	RS485 or CAN
Operating Environment	0-49°C / 32-120° F ≤93%, non-condensing
Color	Red
Dimension	406(W) X 666(H) X 130(D) mm^2

Order Information

Part No.	GST-M200
Device Name	Intelligent Fire Alarm Control Panel
Product No.	10103235

Accessories and Tools

DI-M9101N Intelligent Combination Heat Photoelectric Smoke Detector

DI-M9102N Intelligent Photoelectric Smoke Detector

DI-M9103 Intelligent Rate of Rise and Fixed Temperature Heat Detector

DB-M01 Detector base

DB-M01N Detector base

DC-M9504 Base Mount Short Circuit Isolator

DI-M9319 Digital Zone Monitor Module

DI-M9305 Digital Single Riser Output Module

DI-M9301 Digital Single Input and Output Module

DI-M9300 Digital Single Input Module

DC-M9503 Loop Isolator Module

DI-M9204 Manual Call Point

GSTGMC-M2.2 Graphic Monitor Center

Accessories and Tools

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

Part No.: P-9930
Device name: RS232 Communication Card
Product No.: 20101836

Part No.: P-M9930ModBus
Device name: ModBus Communication Card
Product No.: 20102531

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