

GST-IFP4E

Intelligent Fire Alarm Control Panel



548p/13

Description

GST-IFP4E is an Intelligent Fire Alarm Control Panel (FACP) designed for medium- to large-scale facilities. It complies to EN54 standard with features of easy installation, operation, and maintenance. It integrates an ARM9-Cortex CPU with inbuilt Linux OS. Its friendly and graphical screen can be touchable in operation.

Features and Benefits

- 7-inch Touch Screen, 800 x 480 resolution
- Support 1-6 loops in Class A style (additional battery box is required if 6 loops fully loaded)
- 242 addressable devices per loop mixing various types of devices, Max. 1452 addresses
- Max 8 ZCP panels, each panel with individual programmable buttons & LED indicators.
- Multi-language support
- Graphic Cause and Effect programming AND, OR, NAND, NOR logic, support virtual variable

- Auto learn panel hardware configuration and loop devices, device type mismatch notice
- Detector chamber dirty level reporting, adjust dirty level threshold
- History records of 100,000 events
- "Walk test", silent or audible
- Type A Type B Positive Alarm Sequence
- E-mail notification
- USB port for loading project database and firmware update
- Programming via PC or panel keypad and touch screen
- Support USB dongle for securing project database

Recommended Cabling

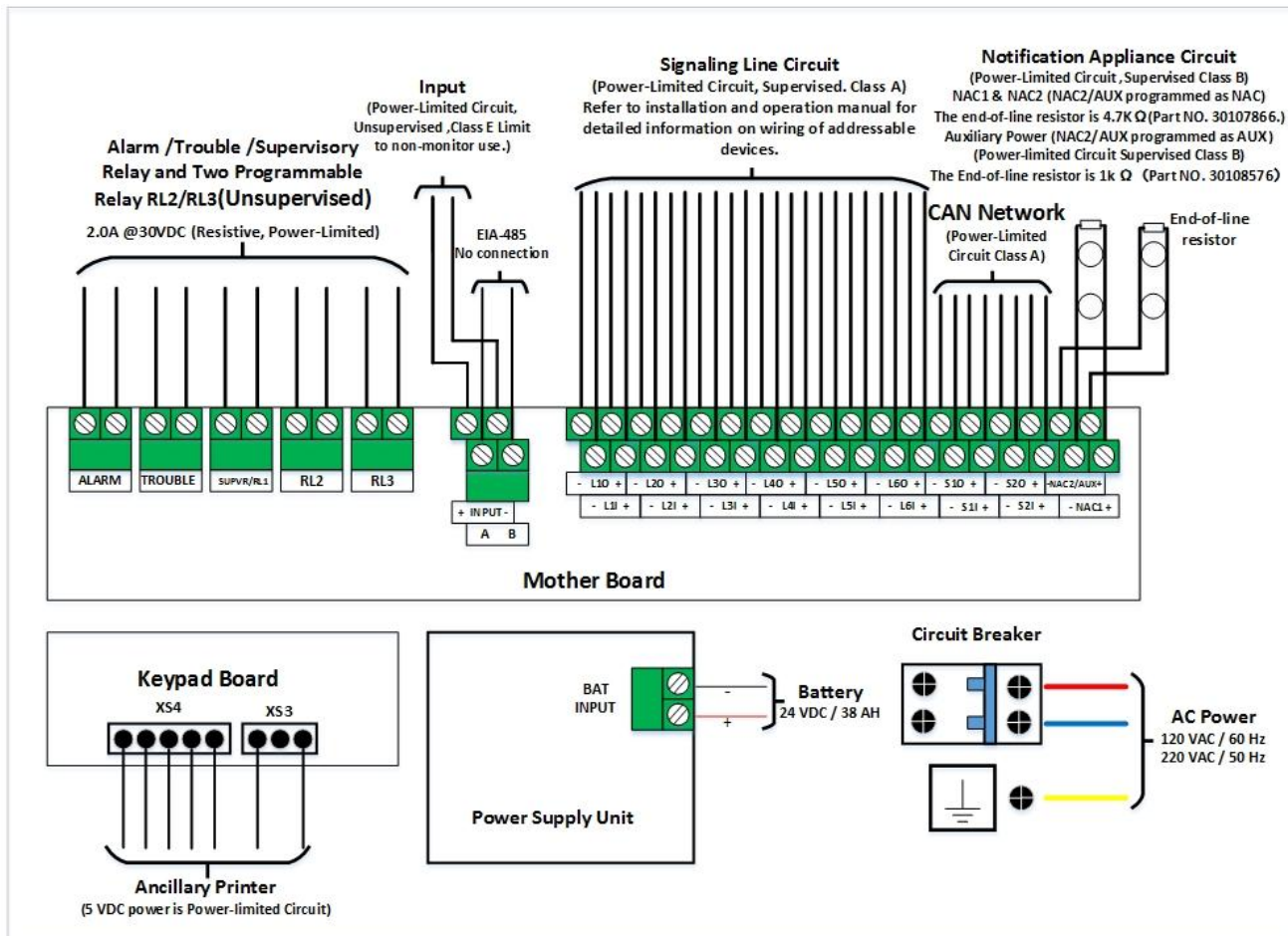
Loop: Max. 1300m with 16AWG or 2000m with 14AWG

Network: 2500m with 1mm² or 3000m with 1.5mm² for CAN class A

Fire Alarm & Relay outputs: Min. 2.0mm²

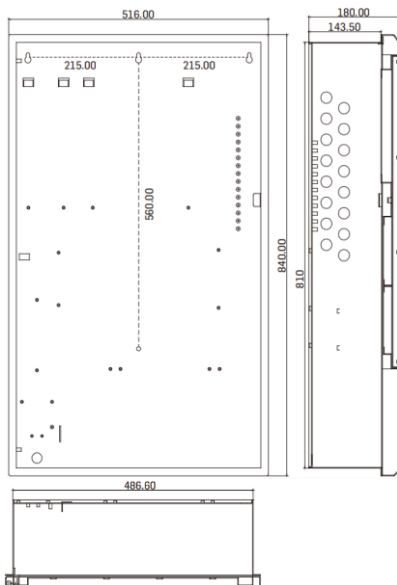
All cables should be fire rated and follow local codes

Basic System Connection



Installation Data

GST-IP4E can be flush-mounted or wall-mounted.



Compatible Devices

Detectors	DI-9101E, DI-9102E, DI-9103E, DI-9105, I-9101, I-9102, I-9103, I-9104, I-9105R, I-9602LW-NG/LPG, DI-9105Exd, DI-9104Exd, D-9107Exd
Manual Call Point	DI-9204E, DI-9204Exd
Modules	DI-9300E, DI-9301E, DI-9302E, DI-9305E, DI-9319E, I-9332, I-9333, I-9309, I-9300, I-9301, I-9303, I-9300S, I-9301S
Sounders & Strobes	I-9401N, I-9403, I-9404, C-9403, C-9404
Loop Isolators	DC-9503E, DC-9504E
Sounder Base	DI-9405, DI-9406

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.

Technical Specification

Primary Supply	110VAC~230VAC, 50/60Hz,3.0A~1.4A(Maximum Alarm)
Battery	Two 12V / 38Ah sealed lead-acid batteries, Max. Two 12V / 65Ah (additional battery box required)
Loop Capacity	1 ~ 6 loops
Device Capacity	242 addresses per loop
Loop Parameter	Voltage: Nominal 24VDC Average current: 130mA Maximum alarm current: 300mA Maximum wiring resistance: 18ohms (each line)
Fire alarm and AUX outputs	Fire alarm and AUX outputs Class B, Power-limited Output Voltage: Nominal 24VDC Max. Current: Totally 2.5A
Input Rating	Maximum current: 1.7mA (short circuit)
Printer	Thermal, ASCII code printer
LCD Display	7" TFT touch screen, 800x480
Network Nodes	Max. 250 panels
PC Port	LAN/USB interface
Protection	IP30
Operating Environment	-5~50°C, ≤93% RH, non-condensing. For indoor use only.
Dimensions	516mm(W) x 840mm(H) x 180mm(D)
Weight	24.4kg

Accessories and Tools

Product NO.	Part NO.	Item Name
20103030	LC-401E	Single Loop Card
20103031	LC-402E	Dual Loop Card
20103576	MP-401E	CPU Card
20103481	P-9966EA	CAN Network Card
20103448	P-9983EA	Fiber Network Card
20103482	P-9956E- Modbus	Modbus Card
8000002	TCP/IP Networking License	Networking License
20103584	P-9981E	Zone Display Panel, Bi-color LED x40
20103578	P-9981FE	Zone Display Panel, R-LED x20, Y- LED x20
20103582	P-9982E	Zone Display & Control Panel, Bi- color LED x40, Button x20
20103579	P-9982FE	Zone Display & Control Panel, R- LED x20, Y-LED x20, Button X20
10106273	GST- NR2EC	Network Repeater
10106274	GST- NR2EF	Network Repeater
20102892	PR-400B	Thermal Printer

Certificates and Compliance

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

Order Information

Part NO.	GST-IFP4E
Device Name	Intelligent Fire Alarm Control Panel
Product NO.	10105038