





Conventional Fire Alarm Control Panel



Description

The GST104 conventional fire control panels provide two zones of fire detection. These panels have been designed to offer high standards of performance, reliability and quantity and comply fully with BS5839, Part 4, 1988 and EN 54 parts 2 and 4. Each zone can be connected with 15 conventional fire detectors. Operation of the panel are very simple. All control functions are realized through a key switch.

Microprocessor controlled SMT Electronics

The GST104 conventional control panels are multi-wire fire alarm developed from SCM. Those with signal output interface board has a passive normally open alarm output contacts and fault output contact on each zone. They have two external control output points to control some devices such as sounder, sounder strobe or bells.

Designed with internal standby battery connection and housing. Multiple functions like isolation and test, setting day/night mode , indication of normal state, fault state, alarm state, short and open circuit alarm and identifying the location of detector zone. All control function is realized through a key switch and programming function realized through a key switch and a DIP switch.

The GST conventional panels includes an advanced range of facilities which make this the Ideal panel for both standalone solutions, or integrated to larger systems in applications such as, shopping Centers and industrial complexes.

Features and Benefits

GST-104

- Microprocessor controlled SMT Electronics
- Compliant with EN54 part 2&4, & BS5839, Part 4, 1988
- Both end of line resistors and active end of line can be used.
- Programmable sounder circuits and outputs
- Zone Isolate control
- Fully monitored sounder circuits
- Key control evacuate over-ride
- Class change terminals for remote control
- Up to 15 fire detectors and infinite manuals call points each zone
- Optional Relay Board, 4 Fire & 4 Fault Outputs

Technical Specifications

Main Input Voltage

Zone Parameters

Zone Relay

Output Parameter

Battery

+10% Input Voltage: 230VAC-15% /Frequency: 50Hz/

Fuse: 2A delayed

Zone input: 4/Monitored Up to 15 Conventional detectors Output Voltage: 15VDC~28VDC

Alarm Current: 25mA

Resistance range: Fire Signal - 150Ω ~1.5k Ω

(normally 470Ω)

Fault Signal - 4.7kΩ end of line resistor or AEOL Cable: 1Km/ GST FireCable ® 1pair/1.5mm2

Optional Relay Board (RB104)

4 Fire & 4 Fault Outputs Rated @ 1 Amp 24V DC

Sounder Circuit:2/Monitored/4.7kΩ EOLR Output Voltage: 20VDC~28VDC/N0/NC Alarm Current: 130mA/per circuit

Cable: 1Km/ GST FireCable ® 1pair/1.5mm2 Fire Alarm Output: 1 /Monitored//4.7kΩ EOLR Output Voltage: 20VDC~28VDC/N0/NC Alarm Current: 450mA

Auxiliary Output:1

Output Voltage: 20VDC~28VDC

Alarm Current: Standby-20mA, Alarm-80mA

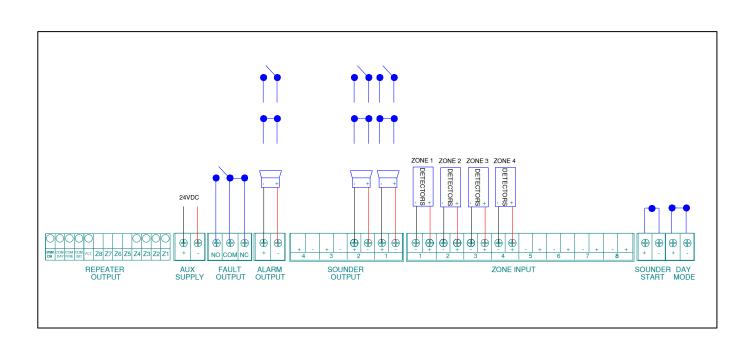
Fault Output:

Output: 0 volt free contact Contact Capacity: 1A/24VDC

Repeater Output: Repeater terminal (refers to the installation

SOUNDER START: Remote access to the Sounder output DAY MODE: Remote day/night mode conversion terminal.

Optional Relay Board2x12VDC /7AH Minimum Operating Voltage: 21.5V Maximum Charging Current: 300mA Maximum Charging Voltage: 28V Battery Type: Sealed lead-acid battery Recommended Battery: Yuasa NP7-12



Typical Wiring Connection

Fig.1 Using End of Line resistor, in compliance with EN/BS standard, when using EOL resistor, call points should be wired before detectors, so that the removal of any detector will not inhibit call point from operating. Control panel Fig.2 Using Active End of Line, enables call points to be installed in any location on zone as will not affected by removal of detector (required base DZ-03D) Control panel

Ordering Information



Part Number: GST104

Description: 4 zones Conventional Fire Panel

Weight / Kg.: 5.500 Pack Qty. per Box: 1

Accessories



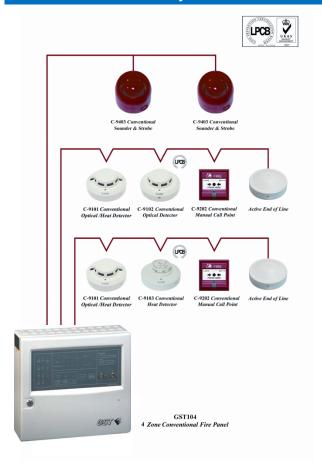
Part Number: RB104 Description: Relay Board

Weight / Kg.:

Pack Qty. per Box: 1

Conventional Fire Alarm Systems

Fig.3 The same as fig.2 principle, using AEOL without detector.



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