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GST
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Conventional **Fire Alarm Control** Panel

GST-108

Description

The GST108 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.

Microprocessor controlled SMT Electronics

The GST108 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

- 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, 8 Fire & 8 Fault Outputs

Technical Specifications

- **Main Input Voltage**

  Input Voltage: 230VAC $^{+10\%}_{-15\%}$ /Frequency: 50Hz/
  Fuse: 2A delayed

- **Zone Parameters**

  Zone input: 8/Monitored
  Up to 15 Conventional detectors
  Output Voltage: 15VDC~28VDC
  Alarm Current: 25mA
  Resistance range: Fire Signal - 150Ω~1.5kΩ (normally 470Ω)
  Fault Signal - 4.7kΩ end of line resistor or AEOL
  Cable: 1Km/ GST FireCable ® 1pair/1.5mm2

- **Zone Relay**

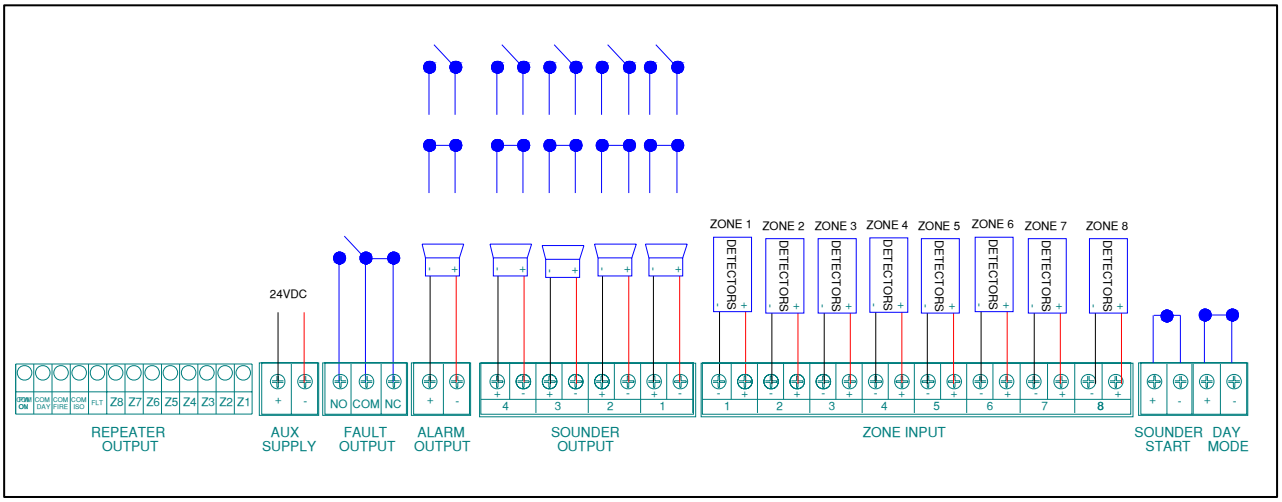
  Optional Relay Board (RB108)
  8 Fire & 8 Fault Outputs Rated @ 1 Amp 24V DC

- **Output Parameter**

  Sounder Circuit:4/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 manual)
  SOUNDER START: Remote access to the Sounder output
  DAY MODE: Remote day/night mode conversion terminal.

- **Battery**

  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

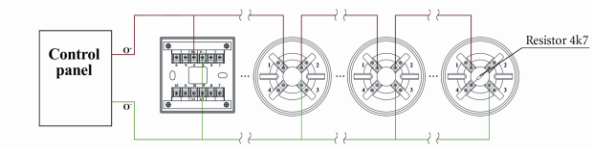


Fig.1 Using End of Line resistor, in compliance with EN/BS standard, when using EOL resistor, call points should be wired before detectors, so that the removal of any detector will not inhibit call point from operating.

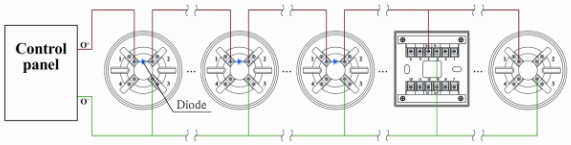


Fig.2 Using Active End of Line, enables call points to be installed in any location on zone as will not affected by removal of detector (required base DZ-03D)

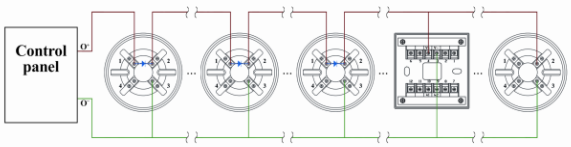
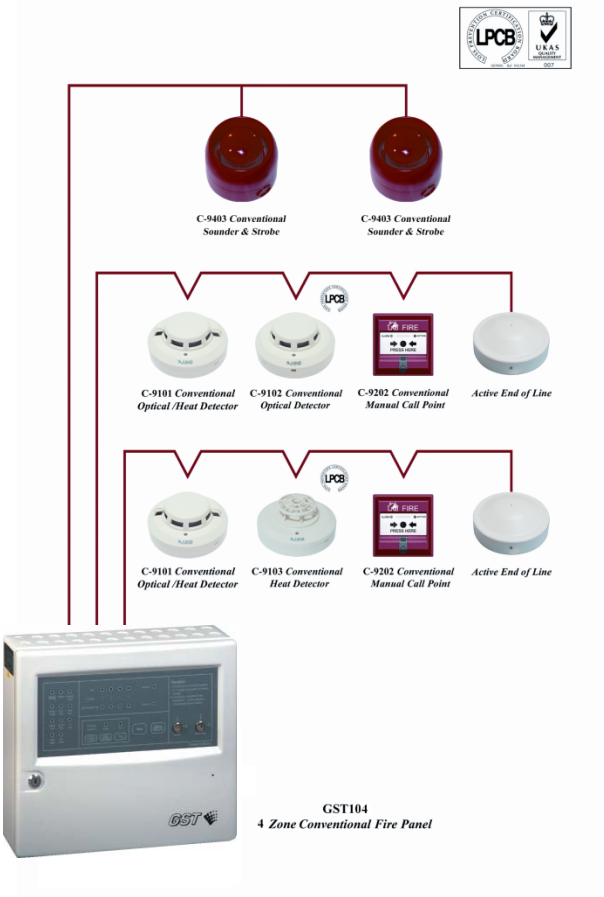


Fig.3 The same as fig.2 principle, using AEOL without detector.

Conventional Fire Alarm Systems



Ordering Information

Part Number: GST108
Description: 8 zones Conventional Fire Panel
Weight / Kg.: 5.500
Pack Qty. per Box: 1

Accessories

Part Number: RB108
Description: Relay Board
Weight / Kg.:
Pack Qty. per Box: 1

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