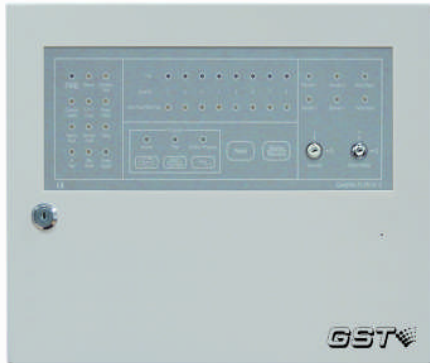


## CONVENTIONAL FIRE ALARM PANELS GST108/116



**GST108 8Zone Fire Panel**



**GST116 16Zone Fire Panel**

### Description

The GST108/116 conventional fire control panels provide eight/sixteen zones of fire detection. All 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.

### Microprocessor controlled SMT Electronics

The GST108/116 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. The two kind panels have six control output points through which it can control some devices such as sounder, sounder strobe or bells. The rated maximum load is four sounder outputs and one control output.

Designed with internal standby batteries 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. The reserved LED repeater interface can be used for alarm detection. All control function are 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 Centres and industrial complexes.

### Ordering Information:

Part No	Description	Weight /Kg	Pack Qty per Box
GST108	8Zone Conventional Fire Panel	4.930	1
GST116	16Zone Conventional Fire Panel	5.584	1

### Features and Benefits

1. Microprocessor controlled SMT Electronics
2. Compliant with EN54 part 2&4, & BS5839, Part 4, 1988
3. Repeater Panel Interface
4. Both end of line resistors and active end of line can be used.
5. Programmable sounder circuits outputs
6. Zone Isolate / Test control
7. Fully monitored sounder circuits
8. Key control evacuate over-ride
9. Fire alarm output for remote control
10. Class change terminals for remote control
11. Up to 15 fire detectors and infinite manuals call points each zone

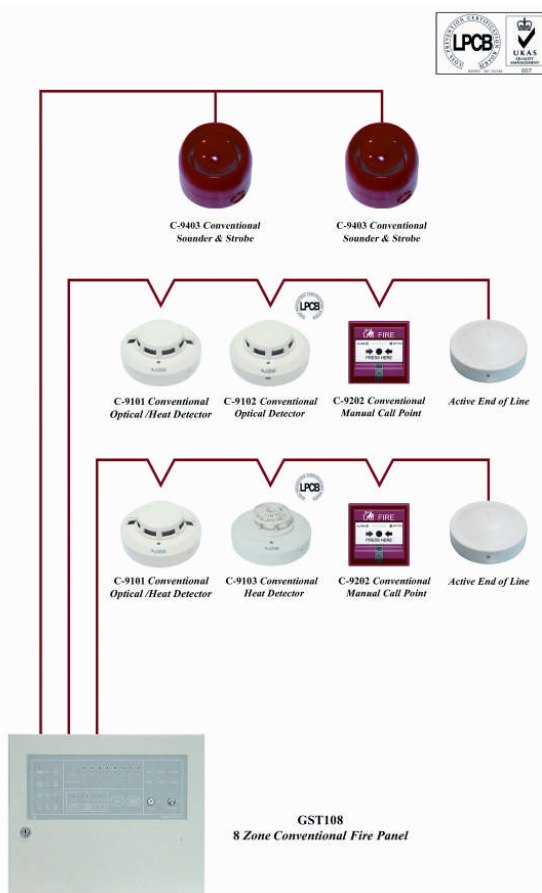


## Conventional Fire Alarm Panels GST108/116

### Technical Specification

Part Number	GST 108	GST116
Operating voltage	220Vac ± 15% , 50hz	
Operating Temperature	-10°C to 40°C @ 95% relative humidity	
Standby Batteries	7AH , 24hours monitoring state	
Output Voltage	20Vdc to 28 Vdc	
Static Loading Current	2.4mA ( when connected with 15 conventional detectors)	
Fire Alarming Resistance	150Ω-1.5KΩ ( nominal 470Ω)	
End Of Line	4.7KΩ or AEOL ( Active End Of Line)	
Sounder Output	Output voltage: 20Vdc ~28Vdc ; Output current: 1 A	
Fire Alarm Output	Output voltage: 20Vdc ~28Vdc ; Output current: 0.5 A	
Fault Output Capacity	Passive contact output :24vdc / 1 A	
Aux.Power Output	20Vdc to 28 Vdc, 0.5A	
Repeater Panel Outpt	10mA	
Zone Capacity	8 zone	16 Zone
Application	Indoor use	
Materials and colour	Coated metal/Grey	
Dimension	380mm x 320mm x 95mm	

### Conventional Fire Alarm System



### Typical Wiring Connection

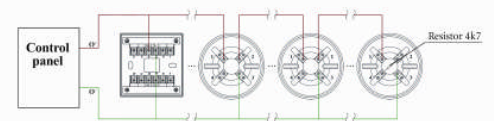


Fig.1

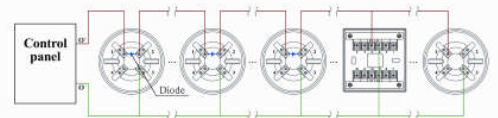


Fig.2

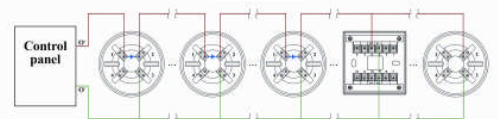


Fig.3

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 be affected by removal of detector (required base DZ-03D)

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



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