Installer Handbook

Conventional System

GST Headquarters

GST Production Base

Installation Manual

GST Conventional Fire Alarm System is easy and flexible to install. This handbook installation manual is designed to provide quick reference information at each stage of your installation.

The manual offers practical system installation guidance using an easy to follow format. It deals with the various system architectures using colour coding to identify the type connection followed by individual installation information for each product

More detailed guidance is given separately for our specialist products, interfacing arrangement and cable types to ensure they are fully explained.

Please make sure of your technical support if your require any further support. You can call to our local distributor’s technical engineers who are trained to provide an instant response.

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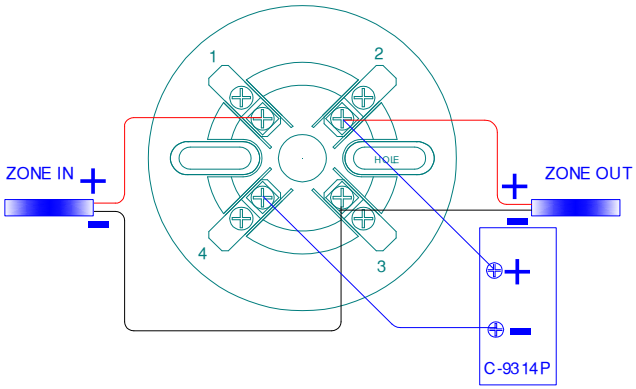
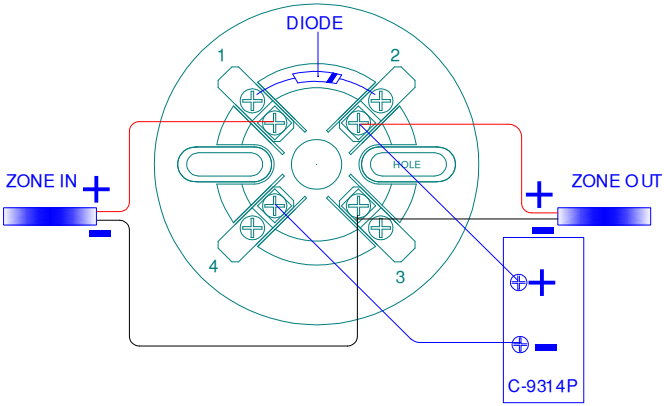
Detectors

C-9101, C-9102, C-9103, C-9104



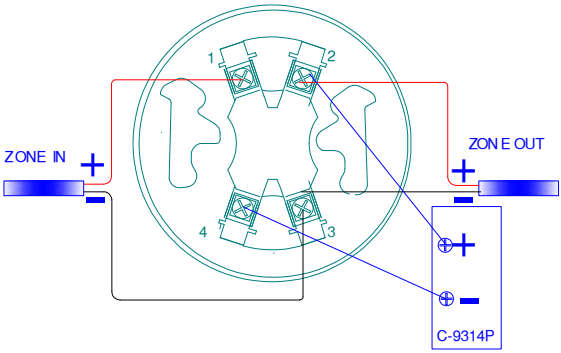
DZ-03 Base Using Resistor EOL



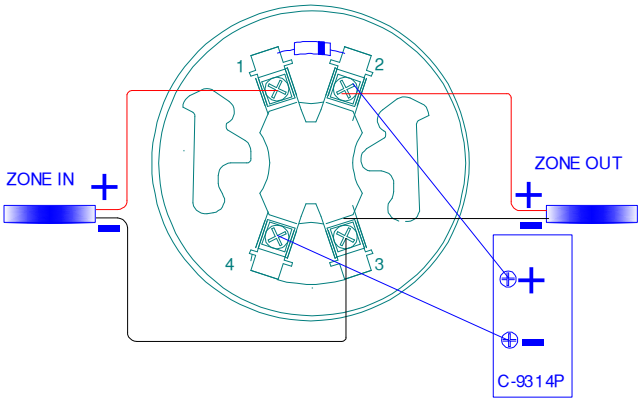
DZ-03D Diode Base Using Active EOL

Notes:

1. DZ-03 detector base or DZ-03D detector base with diode
2. C-9101,C-9102 and C-9103 available with built-in remote indicator output
3. Active end of line (P-9907) -15 Detectors per zone
4. Resistor end of line -25 Detectors per zone
5. To fix, point the detector in the base by the mark-line and secure the detector in that position by rotating it clockwise until it reaches the next mark line.



DB-01 Base Using Resistor EOL



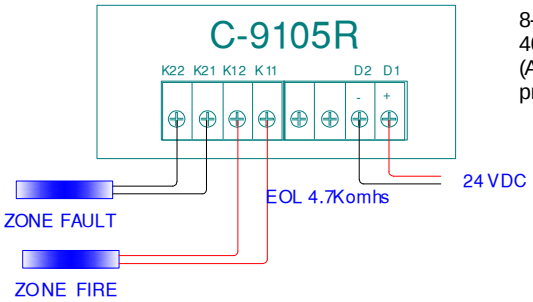
DB-01D Diode Base Using Active EOL

Notes:

1. DB-01 detector base
2. DC-9102 and DC-9103 available with built-in remote indicator output
3. Active end of line (P-9907) -15 Detectors per zone
4. Resistor end of line -25 Detectors per zone
5. To fix, point the detector in the base by the mark-line and secure the detector in that position by rotating it clockwise until it reaches the next mark line.

Beam Detector

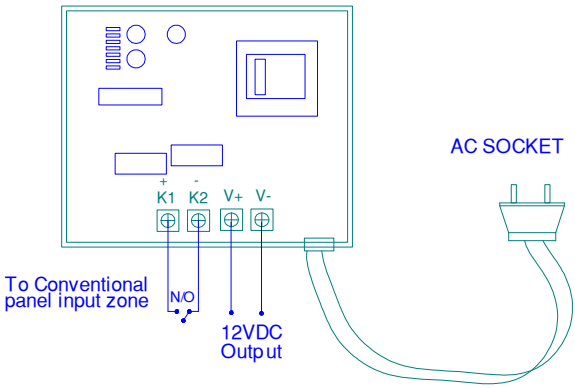
C-9105R



Beam parameters
8-40 meters=Device code 53
40-100 meters=Device code 54
(Adjusted using handheld programmer P-9910B)

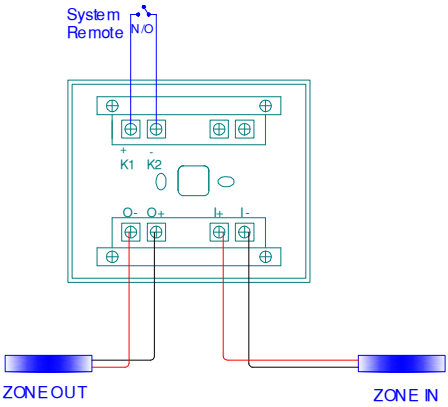
Gas Detector

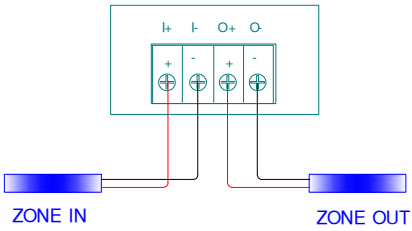
C-9602LW-220VAC



Manual Call Point

C-9201, C-9202	DC-9204

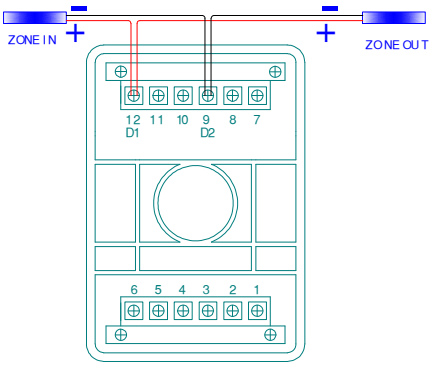


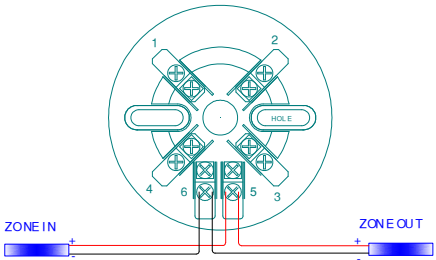


Notes: Remote N/O contact
60VDC, 0.1mA at 100mΩ

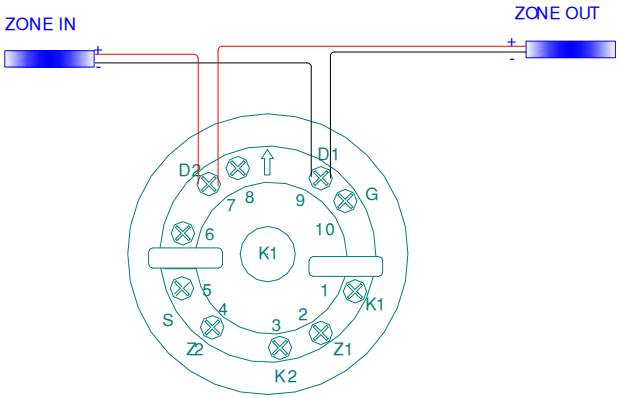
SOUNDER STROBE

C-9401	C-9402, DC-9402



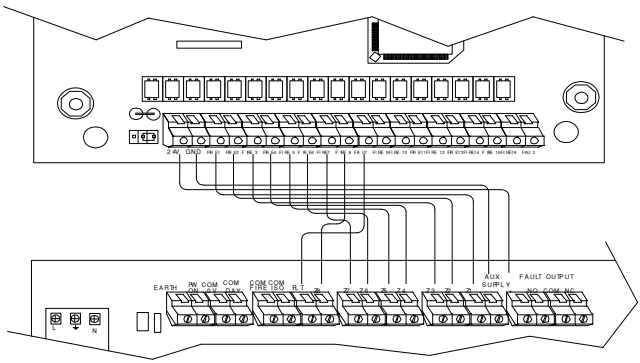


C-9403, C-9404



GST-RP16

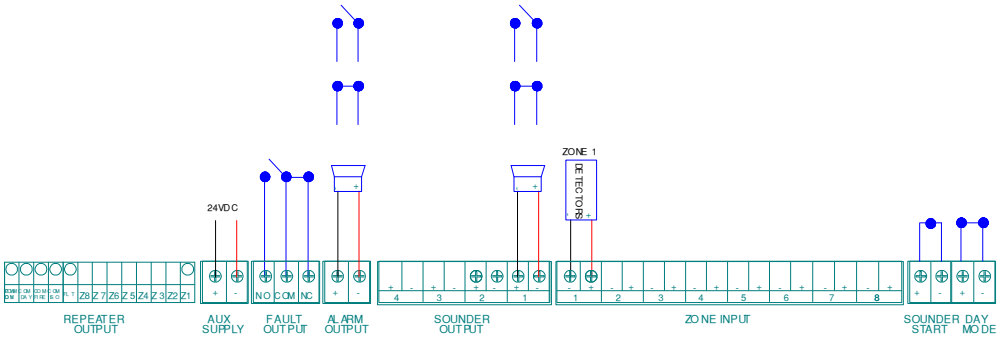
GST-RP16 CONVENTIONAL REPEATER PANEL



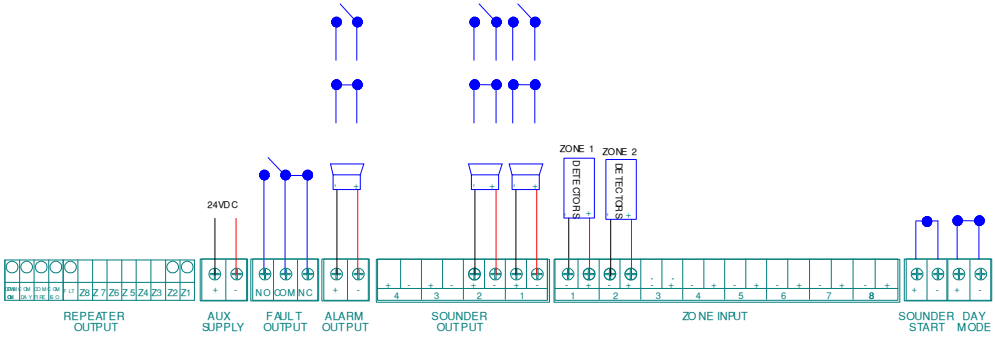
GST1088ZONE CONVENTIONAL PANEL

CONVENTIONAL PANEL

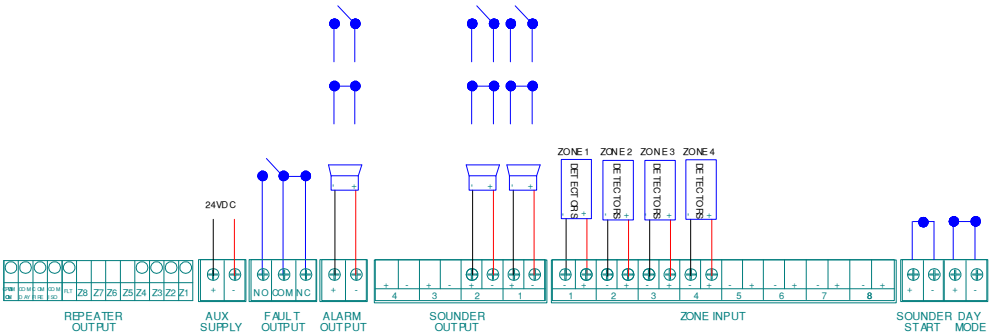
GST101



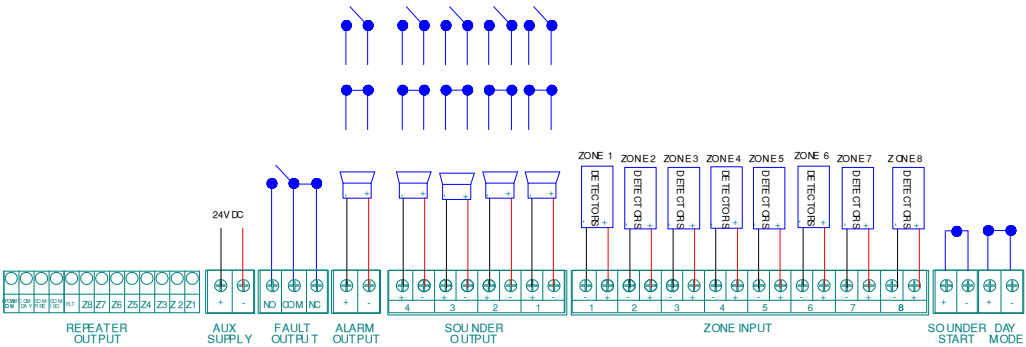
GST102



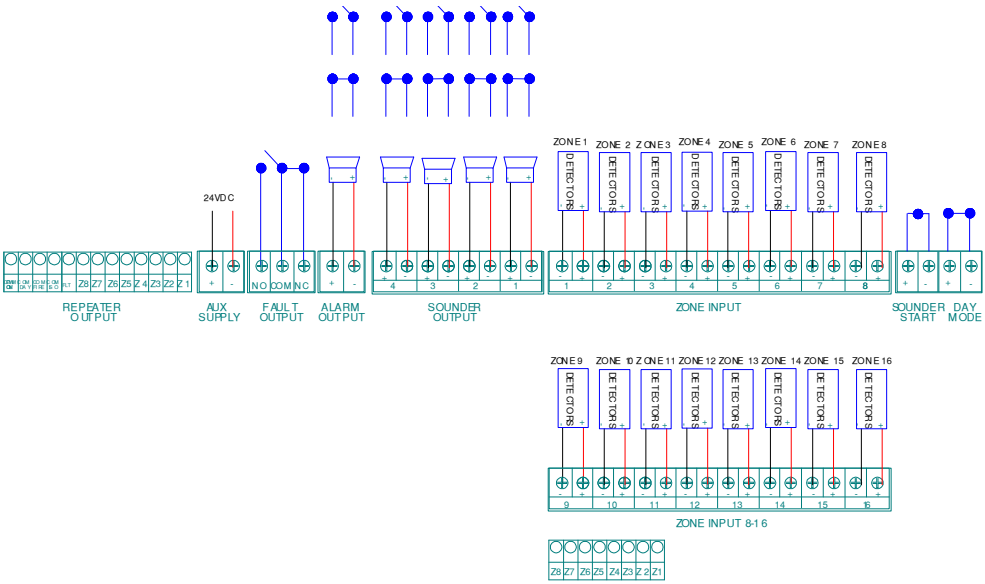
GST104



GST108



GST116



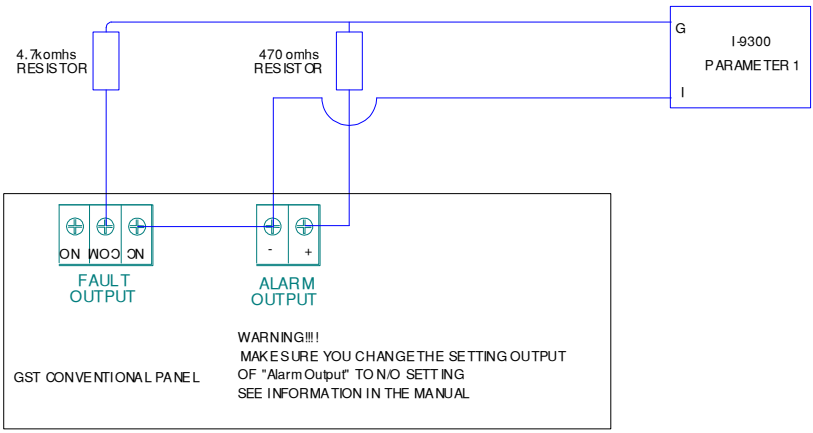
Panel Feature
Table 1

FACP	Detection Zones	Sounder Outputs	Repeater Outputs	Relay Board (Fire/Fault)
GST101	1	2	1	N/A
GST102	2	2	2	2
GST104	4	2	4	4
GST108	8	4	8	8
GST116	16	4	16	16

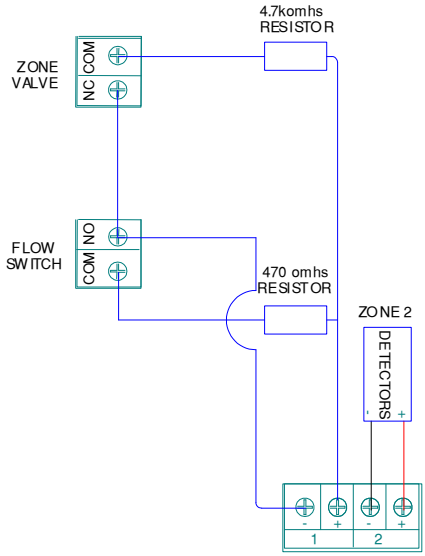
Output Setting
Table 2

Output	Normally closed contact		Normally open contact		Voltage output contact	
	Removed Fuse	Jumpers	Removed Fuse	Jumpers	Plugged Fuse	Jumpers
Sounder 1	F2	X1/ 1&2,3&4	F2	X1/ 1&2,4&5	F2	X1/ 2&3,5&6
Sounder 2	F3	X2/ 1&2,3&4	F3	X2/ 1&2,4&5	F3	X2/ 2&3,5&6
Sounder 3	F4	X3/ 1&2,3&4	F4	X3/ 1&2,4&5	F4	X3/ 2&3,5&6
Sounder 4	F5	X4/ 1&2,3&4	F5	X4/ 1&2,4&5	F5	X4/ 2&3,5&6
Alarm output	F6	X5/ 1&2,3&4	F6	X5/ 1&2,4&5	F6	X5/ 2&3,5&6

Other Connections



Input module to monitor conventional panel



Conventional panel to monitor flow switch/zone valve

Cable Recommendation

1. Using Fire Alarm Cable 1.00mm²-800M
2. Using Fire Alarm Cable 1.5mm²-1.2Km
3. Using Fire Alarm Cable 2.0mm²-1.5Km

The GST's policy is one of continues improvement, and the right to change the content of this book at any time without notice is reserved.

Global System Technology PLC
PO Box 17998 Unit ZA04 JEBEL ALI Free Zone,
Dubai, UAE
Tel: +971 (0) 4 8833050
Fax: +971 (0) 4 8833053
Email: noriel@gst.uk.com
www.gst.uk.com

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