Addressable Multi Channel Interface
DI-9309

![GST - Global System Technology PLC - The Intelligent Solution]

Features and Benefits

1. Providing Max. 16 channels of independent input. 1-16 selectable. Input signals are insulated from the loop.
2. Providing two channels of independent dry contact output.
3. 3-18 consecutive addresses, changing with selected channel quantity.
4. Power supply monitored.
5. Cable monitored for open circuit and short circuit

Description

With microprocessor, DI-9309 Addressable Multi-Channel Interface can communicate with fire alarm control panel (FACP), monitor power supply, and judge the logic state of input signal, control output and state indicators.

Each output channel occupies an individual address and receives start command from FACP, energizes the related relay, gives dry contact output and lights the related action indicator. Each input is corresponded to an address to receive the state signal from the equipment and transmit it to FACP. The quantity of channels can be set by jumpers

Electronic addressing can be done through Handheld Programming tool (P-9910), purchased separately.

Technical Specifications

• Operating Voltage	Loop voltage: 24V (16V~28V). Power Supply Voltage: 24VDC (20VDC~28VDC).	
• Standby Current	Loop ≤1.5mA Power ≤50mA	
• Action Current	Loop ≤3mA Power ≤100mA	
• Output Capacity	Output contact capacity: 220V/2A.	
• Output Type	Dry contact output.	
• Programming Method	Electronically programming.	
• Code Range	Occupying 3-18 addresses, the output address of Channel 1 can be set within 1 225. The output address of Channel 2 is automatically increased 1 to Channel 1. The input address of Channel n is automatically increased n and 1 to Channel 1.	
• Action Indicators	Red. Separate polling indicator HL0. Individual state LED(n) for each channel input. Flashes in fault state. Illuminates in action state. Quiet in normal supervisory. HL1 and HL2 for each channel output. Illuminates when activated.	
• Ambient Temperature	-10°C+50°C	
• Relative Humidity	≤95%, non condensing	
• Mounting Hole Distance	190mm× 90mm	
• Dimensions (L×W×H)	200mm×100mm×20mm	
• Weight	About 240g	

Addressable Multi Channel Interface
DI-9309

Global System Technology PLC

The Intelligent Solution

Mounting Module Base

The module should be installed in compliance with all local codes and/or NFPA 72 National Fire Alarm Code, NFPA 70 National Electrical Code, BS5389, and EN45. It is installed onto anE electrical box (not included).
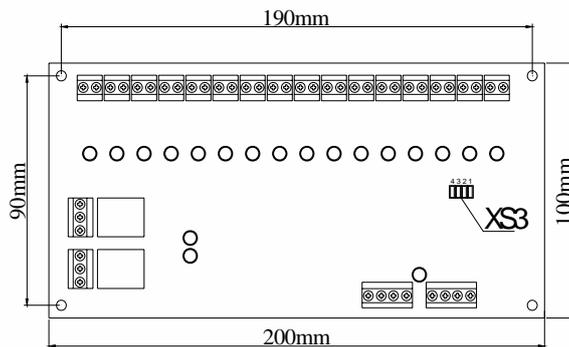
Wiring and Connection

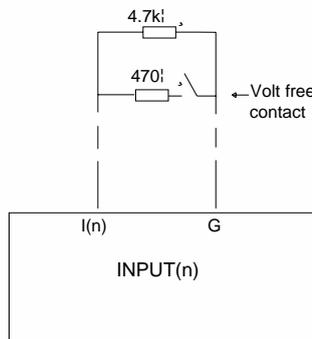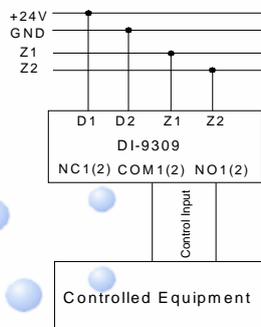1) Fig.2 shows the system connection with volt-free normally open input.

Fig. 2

2) Fig.3 shows the system connection with dry contact output.

Programming

DI-9309 interface can be addressed in field with power off by using P-9910B programmer connected to Z1 and Z2. Please refer to P-9910B Hand Held Programmer Installation and Operation Manual for details.

Selection of compatible Control Panels

Compatible with all GST Intelligent Fire Alarm Panels GST 200, GST 5000, GST 9000.

Ordering Information:

Part No	Description	Weight/ Kg	Pack Qty per Box
DI-9309	Addressable Multi Channel interface Module (Electrical box excluded in the package)	.180	120

MANUFACTURED IN ACCORDANCE WITH

Note: Specifications are subject to change without notice.