

# DI-9309 Addressable Multi-Channel Interface



## **Description**

An integrated solution for application of multi-input signals, saving mounting space and installation cost. 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. Each input is corresponded to one address to receive the state signal and transmit it to FACP. The quantity of channels can be set by jumpers.

#### **Features and Benefits**

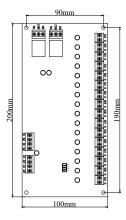
- Max. 16 channels of independent inputs. The quantity can be set as required.
- Input signals are insulated from the loop.
- Two channels of independent dry contact output.
- 3-18 consecutive addresses, changing with selected channel quantity.
- Power supply monitored.
- Cable monitored for open circuit and short circuit.

# **Certificates and Compliance**

• Certifications: CE-EMC

#### **Terminals and Installation Holes**

Terminals on the MCP are shown below.



Z1, Z2: Connecting to the loop of control panel, non-polarized.

D1, D2: 24VDC power, non-polarized

I(n)G: Channel n volt-free normally open input.

NC1(NC2), COM1(COM2), NO1(NO2): Dry contact outputs of Channel I (Channel II).

#### **Recommended Cabling**

1.5mm² or above fire cable is recommended for dry contact outputs, 1.0mm² or above fire cable is recommended for others, but subject to local codes.



IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.

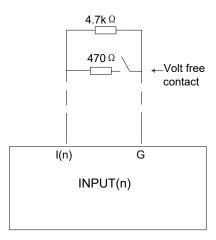


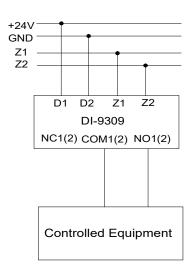
## **Application**

The DI-9309 interface is designed to connect with active equipment such as flow switch, pressure switch, position switch, signal valve and others which are able to transmit back normally open signals. The outputs can be used to connect with the equipment controlled by FACP such as fire door, pump, smoke exhaust fan, smoke vent, air vent, fire damper and etc.

The module takes a group of continuous addresses. Set the quantity of input channels by jumpers on SX3, the module will take 2 more addresses for the output channels. The output channel 1 will take the first address.

The typical connections of input channel and output channel are shown below.





# **Technical Specification**

Operating Voltage	Loop: 24V (16V~28V). Power Supply: 24VDC (20V~28V).
Standby Current	Loop ≤1.5mA Power ≤50mA
Action Current	Loop ≤3mA Power ≤100mA
Output Capacity	Output contact capacity: 220V/2A.
Programming Method	Electronically programming.
Code Range	Occupying 3-18 addresses, the output address of Channel 1 can be set within 1~225.
Action Indicators	Red. Separate polling indicator HL0. Individual state LED (n) for each input channel. 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

#### **Ordering Information and Compatible Products**

Part No.	DI-9309
Device Name	Addressable Multi-Channel Interface
Product No.	20101089
Compatible Products	GST200-2 Intelligent Fire Alarm Control Panel
	GST200N Intelligent Fire Alarm Control Panel
	GST- IFP8 Intelligent Fire Alarm Control Panel

## **Accessories and Tools**



Part No.: P-9910B

Device name: Handheld Programmer

Product No.: 10104894



IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.