The Intelligent Solution

I-9303
Addressable Dual I/O Module

Features

- ✧ Providing two pairs of input signals, input mode can be set normally open and normally closed through hand held programmer. Input signals are separated from the loop.
- ✧ Providing two pairs of output contact signals, it can carry out active output through external circuit.
- ✧ Occupying two consecutive addresses, which can be modified through hand held program or fire alarm control panel.
- ✧ Cable checking.
- ✧ Plug-in structure.

Description

With a microprocessor, I-9303 Addressable Dual I/O Module can communicate with fire alarm control panel, check power cut, judge the logic state of input signal, control output and state indicators.

The module occupies two addresses, and each address can independently receive start command from fire alarm control panel, close the relative relay and light the indicator. Each address corresponds to one input. After receiving answer signal from a device, the module transmits answer signal to fire alarm control panel with corresponding address. It can be used as two single input/output modules.

Connection and Wiring

Terminals of the module are shown in Fig. 1.

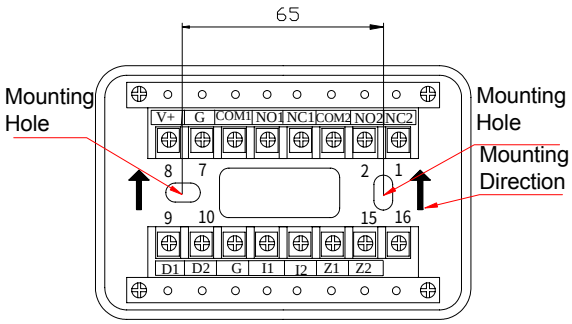

Fig. 1

Z1, Z2: To the loop of fire alarm control panel non-polarized.
D1, D2: 24VDC power line, non-polarized.
I1 (I2), G: Passive input terminal of Channel I and Channel II.
V+, G: 24VDC output terminals
NC1 (NC2), COM1 (COM2), NO1(NO2): Normally open output terminals of Channel I and Channel II.

Recommended Wiring

1.5mm^2 or above fire cable for Z1, Z2 and 24VDC; 1.0mm^2 or above fire cable for others, subject to Local Standards and Regulations.

Installation

The module is simply plugged onto the base after corresponding terminals are connected.

If the cable conduit is inside the wall, the base is installed onto the Electrical Box (Fig. 2). If the conduit is on the surface of the wall, B-9310 Back Box is available (Fig. 3).

Note the mounting direction, arrow upward (Fig. 1).

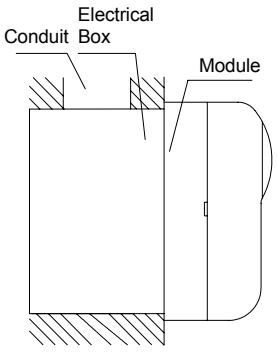

Fig. 2

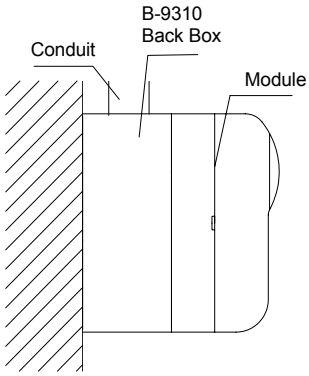

Fig. 3

Application

I-9303 Addressable Dual I/O Module is designed for controlling double input/output devices, and for receiving answer signals of associated device action. For example, it can control fire door, pump, and smoke exhauster. When used to control the position of fire door, it can both control it from open to middle position and from middle to close and identify which position it is.

The module can be programmed in field and work mode can be set by P-9910 Hand Held Programmer. Refer to P-9910B Hand Held Programmer Installation and Operating Manual for specific operations. Factory default work mode is both channels normally open (4). The parameters can be set in field as follows.

Parameter	Input Mode
1	Channel 1 self answer Channel 2 normally open
2	Channel 1 normally open Channel 2 self answer
3	Both channels self answer
4	Both channels normally open (factory setting)
5	Channel 1 normally closed Channel 2 normally open
6	Channel 1 normally open Channel 2 normally closed
7	Both channels normally closed
8	Channel 1 self answer Channel 2 normally closed

- ✧ The module should connect with C-9302A when controlling 220VAC devices, see Fig. 4.
- ✧ The connection diagram between the module and fire door control box is shown in Fig. 5.

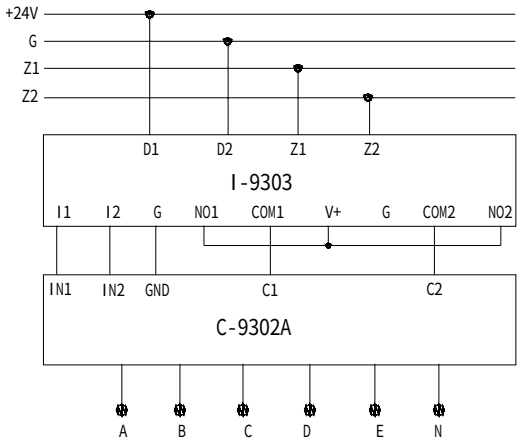

Fig. 4 Connecting with C-9302A module

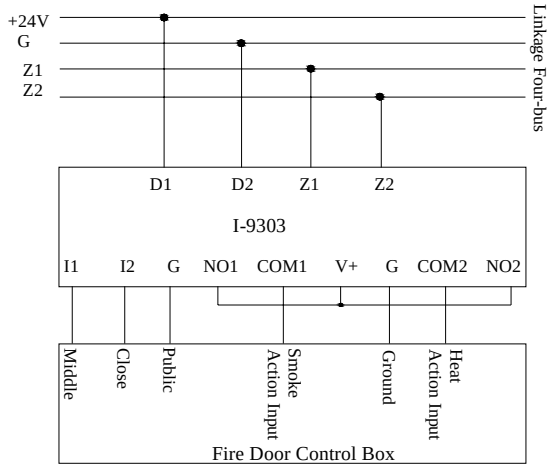

Fig. 5 Connecting with fire door control box

Note:

Do not connect the module's contact directly to AC control loop so that damage to the module or controlled devices from strong AC interference signal can be avoided.

The module is not to be used for gas extinguishing devices.

Specification

Operating Voltage	Signal loop voltage: loop 24V Power loop voltage: 24VDC
Quiescent Current	Loop ≤1mA; Power ≤4mA
Action Current	Loop ≤4mA; Power ≤15mA
Output Capacity	Output contact capacity is 24VDC/5A Active output capacity is 24VDC/1A
Output Control Mode	Relay normally open/normally closed passive contact output.
Programming Mode	Electronic programming, the module occupies two address codes. The second address code is automatically added 1 to the first address code which can be set within 1～242.
Action LED	Red (It flashes in polling, constantly lights in action)
Ingress Protection Rating	IP30
Operating Temperature	-10℃～+50℃
Relative Humidity	≤95%, non condensing
Material and Color of the Enclosure	ABS, traffic white (RAL 9016)
Dimension (L×W×H)	120mm×80mm×43mm
Weight	About 205g (with base)

Accessories and Tools

Model	Name	Remark
P-9910B	Hand Held Programmer	Please order separately
B-9310	B-9310 Back Box	Please order separately

Limited Warranty

GST warrants that the product will be free from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.

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