



I-9303

Addressable Dual I/O Module

With a microprocessor, I-9303 Addressable Dual I/O Module can communicate with FACP, monitor the power supply, control the output relay and show the states by LED indicators.

The module occupies two addresses, and each address can be independently controlled by start command from FACP, energizes the relative relay and light the indicator. Each address corresponds to one input. After receiving feedback signal from a device, the module transmits feedback message to FACP. It can be used as two single input/output Modules.

Features

- Providing two pairs of input signals, working mode can be set normally open and normally closed through handhold programmer. Input signals are isolated from the loop
- Providing two pairs of output contact signals, it can carry out voltage output through external circuit
- Occupying two consecutive addresses. They can be modified through a programmer.
- Monitoring power supply
- Plug-in structure

Wiring

Fig. 1 shows terminals on the module base.

Z1, Z2: Loop connection, non-polarized.

D1, D2: 24VDC power line, non-polarized.

I1 (I2), G: Volt-free input terminal of Channel I and Channel II.

V+, G: regulated 24VDC from D1 & D2. There is 24V output between V+ and G whether the module is energized or not.

NC1 (NC2), COM1 (COM2), NO1(NO2):

Normally open output terminals of Channel I and Channel II.

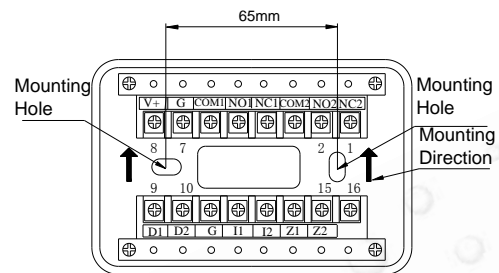


Fig.1

Recommended Cabling

1.0mm² or above fire cable, subject to local codes.

Application

I-9303 Addressable Dual I/O Module is designed for controlling double action devices, or double outputs.

The module can be programmed in field and working mode can be set by a programmer, shows in Fig.2. Refer to P-9910B Hand Held Programmer Installation and Operation Manual for specific operations.

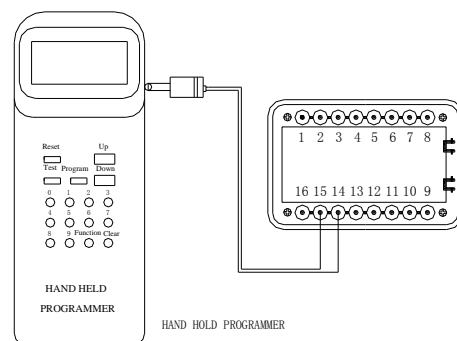


Fig.2

Factory default working mode is both inputs at normally open contact(4). The parameters can be

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set in field as follows.

Parameter	Input Mode
1	Channel 1 auto feedback Channel 2 normally open
2	Channel 1 normally open Channel 2 auto feedback
3	Both channels auto feedback
4	Both channels normally open (default 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 auto feedback Channel 2 normally closed

- The module can directly drive a smoke vent or fire damper (electrical tripping device, 24VDC). The connection is shown in Fig. 3.

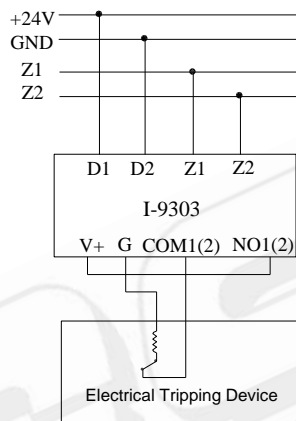


Fig.3

- The connection as a volt-free output contact is shown in Fig. 4.

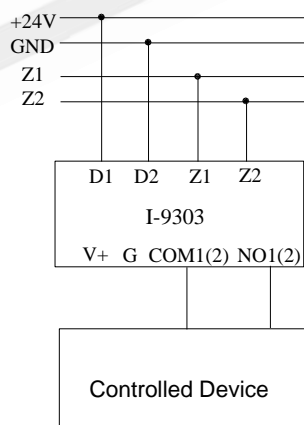


Fig.4

Specification

Operating Voltage	Loop: 24V (16V~28V) Power: 24VDC (20VDC~28VDC)
Standby Current	Loop≤1mA Power≤2mA
Action Current	Loop≤3mA Power≤15mA
Output Capacity	Output contact capacity is 24VDC/5A Active output capacity is 24VDC/1A
Programming Method	Electronically addressed
Code Range	One address within 1~242.
Indicator	Red, flashes when polling, illuminates in action.
Ingress Protection Rating	IP30
Operating Temperature	0℃~+49℃
Relative Humidity	≤93%, non condensing
Material of Enclosure	ABS white (RAL 9016)
Dimension (LxWxH)	120mm×80mm×43mm (with base)
Weight	About 205g (with base)

Accessories and Tools

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

Please contact with GST sales for compatible devices.

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