

Features

- ✧ Electronically addressed. The address can be modified in field.
- ✧ Built-in microprocessor processes messages intelligently.
- ✧ Insulation technology for input signal, good anti-interference ability.
- ✧ Cable checking.
- ✧ Plug-in structure.

Description

With a microprocessor, I-9301 Addressable Single I/O Module can communicate with fire alarm control panel (FACP), check power cut, control output and LED.

The module closes the output relay and illuminates the LED when receiving start command from fire alarm control panel.

Connection and Wiring

Terminals on the module are shown as Fig. 1.

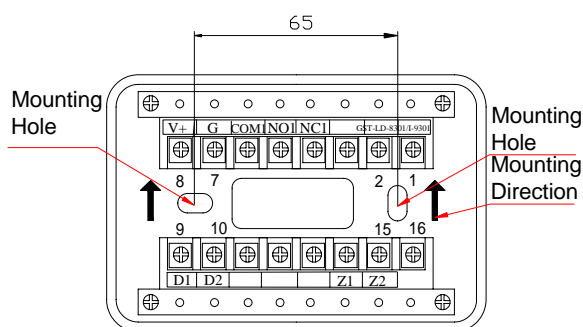


Fig. 1

Z1, Z2: Connecting with loop of FACP, polarity-insensitive.

D1, D2: Polarity-insensitive 24VDC power line.

V+, G: 24VDC output terminals, supplying output contact with +24V output signal. There is 24V output at V+ and G no matter whether the module is started or not.

NC1, COM1, NO1: Normally closed or normally open output terminals.

Recommended Wiring

1.5mm² or above fire cable for 24VDC power line, 1.0mm² or above fire cable for other terminals, subject to local codes.

Installation

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

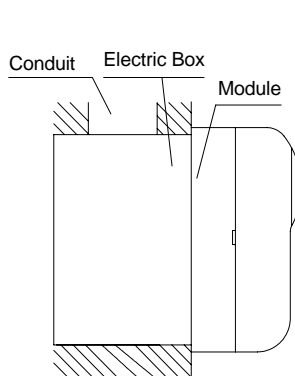


Fig. 2

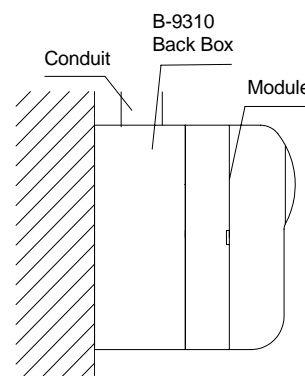


Fig. 3

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

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

Application

The module is designed to connect with the devices controlled by fire alarm control panel, including smoke exhauster, fan blower, and fire valve.

Address can be set through P-9910B programmer in field, refer to P-9910B Hand Held Programmer Installation and Operation Manual for specific operation.

Mode of checking feedback signal can be set through P-9910B programmer. After unlocking the programmer, press *Function* and then number "4", input "13" or "40". "13" means checking the feedback signal at any time, "40" means checking feedback signal only in started state. Press *Program*, if P appears on the screen, the setting is successful.

✧ The module can directly drive a smoke exhauster or fire valve (electrical tripping device). System composition is shown in Fig. 4.

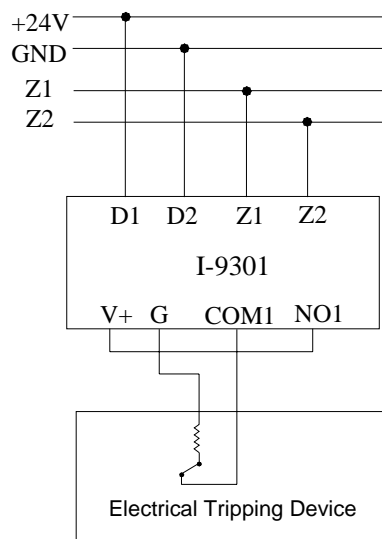


Fig. 4

✧ System composition for volt-free output contact controlling field device is shown in Fig. 5.

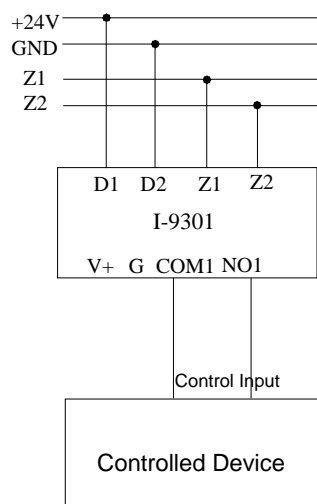


Fig. 5

Note:

Don't connect the module's contact to the AC control loop directly, preventing the strong AC interference signal from damaging the module or controlled device.

The module is not used for gas extinguishing devices.

Specification

Operating Voltage	Loop: 24V Power: 24VDC
Quiescent Current	Loop 1mA Power 2mA
Action Current	Loop 3mA Power 15mA
Output Capacity	Output contact capacity is 24VDC/5A Voltage output capacity is 24VDC/1A
Output Control Mode	Relay normally open/normally closed volt-free output
Addressing	Electronically addressed
Addressing Range	Occupying one address, selectable within 1 ~ 242.
LED	Red, flashes when polling, illuminates in action.
Ingress Protection Rating	IP30
Operating Temperature	0 ~ +49
Relative Humidity	93%, non condensing
Material and Color of Enclosure	ABS, White (RAL 9010)
Dimension (L × W × H)	120mm × 80mm × 39mm
Weight	About 194g (with base)

Accessories and Tools

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

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