



I-9301 Single I/O



I-9303 Double I/O

Features and Benefits

1. Addressable I/O with 24Vdc/5A, 110Vac/3A relay output contacts
2. Input can be configure as NO/NC or self confirmation output
3. LED status indicator
4. Electronically addressable
5. Easy installation and connection.

Description

Intelligent addressable input/output module. A single/double volt free relay with N/O and N/C change over contacts that can be driven under the control of the fire alarm controller. Commonly used for overriding equipment such as AHU's, Smoke extracts, Lift returns, auto dialer, BMS, etc.

The input can be linked through a volt free contact switch output of ancillary equipment for reporting at the fire alarm controller. According to the pre-inputted cause and effects linkage programming, the alarm controller sends out a start command to the equipment qualified for starting. After receiving the command, the module activates its relay to change state. Once the equipment under control has operated a confirmation signal can be sent back to the fire alarm controller. The I-9303 has two continual addresses, can receive the two different action orders from the controller and has two different control output and can affirm two different input answering signals. Electronic addressing can be done through Handheld Programming tool (P-9910), purchased separately.

Specification

Part Number	I-9301	I-9303
Protection rating	IP 30	
Output control mode	Relay NO/NC passive contacts	
Output capacity	Passive: 5A/24Vdc(3A/110Vac) ; Active: 24Vdc/ 1A	
Relay contact	One	Two
Operating voltage	Loop 24Vdc (16~28Vdc); Supply voltage 24Vdc(16~28Vdc)	
Operating current loop	Standby: 1mA ; Action: 5mA	
Operating Temperature	-10°C to 50°C @ 90% relative humidity	
Addressing Mode	Electronic programming with 1~242, occupying 1 address	Electronic programming with 1~242, occupying 2 addresses
Application	Indoor use	
Materials and colour	ABS / Ivory white	
Dimension	120mm x 80mm x 39mm	
Wiring	6 wires: 2 wire for loop (non-polarized) ; 2 wire for power cable(non-polarized) ; 2 wire for contact	8 wires: 2 wire for loop (non-polarized) ; 2 wire for power cable(non-polarized) ; 4 wire for contact

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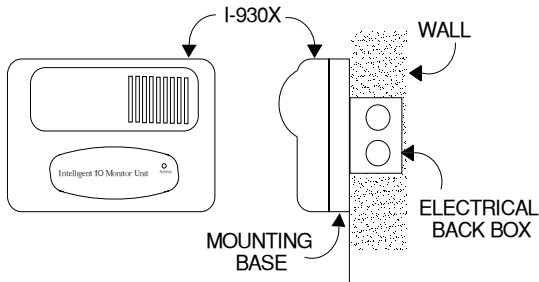
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Sounder Installation

The I/O module should be installed complying with all local codes and / or NFPA 72 National Fire Alarm Code, NFPA 70 National Electrical Code. It is installed onto a standard one gang electrical box with a mounting holes at 6.5cm spacing.

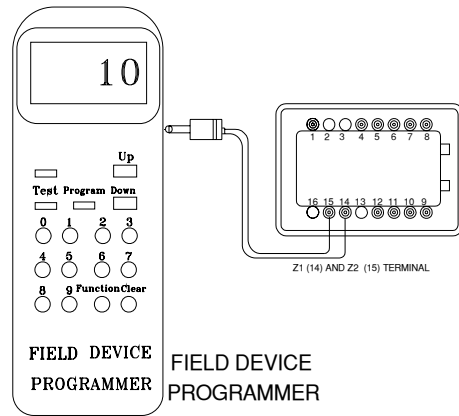


Wiring and Connection

Connect the wires to the required terminal according to the wiring diagram. The Z1, Z2 connect to addressable fire detection loop, non-polarized, the D1, D2 is for 24VDC power supply, non-polarized, the I1 and G connect with passive NO contact of the control device, NC1, COM1, NO1 is for first Output Circuit. The NC2, COM2, NO2 is for the second output terminals. V+ and G is continual 24Vdc output for D1, D2 for active control rated at 1A. The cable must be fire rated type and the size depends on the distance and application. Minimum size gauge 1.0mm²(18 AWG)

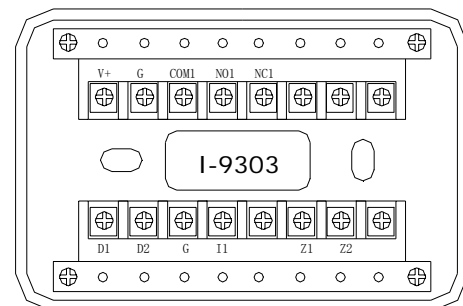
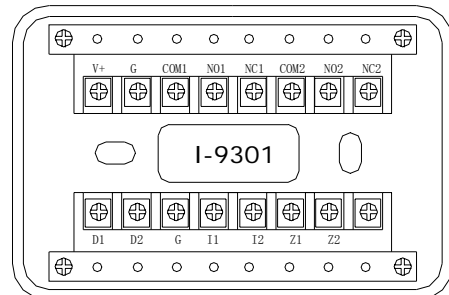
Compatible Control Panels

Compatible with all GST Intelligent Fire Alarm Panels GST 100, GST 200, GST 500, GST 5000, GST 9000.



Programming

The address and mode of sound level of the sounder can be programmed using GST handheld programmer (P-9910), purchased separately. Connect the two wires of the handheld programmer to Z1 (2), Z2 (4) terminals of the sounder. When programming the first address the I-9103, it will automatically take the next address also.



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