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Global System Technology PLC
The Intelligent Solution

Intelligent Input/Output Module

I-9301



Features and Benefits

1. Intelligent Single I/O with 24Vdc/5A, 110Vac/3A relay output contacts
2. Input can be configured as NO/NC or self confirmation output
3. LED status indicator
4. Electronically addressable
5. Characteristics one input or output
6. First fix base for easy and safe installation.

Description

Intelligent addressable input/output module. A single volt free relay with N/O and N/C change over contacts that can be driven via the fire alarm loop. 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 reporting to the fire alarm controller. According to the pre-inputted cause and effects interface programming, the alarm controller sends out a start command to the equipment required to start. 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.

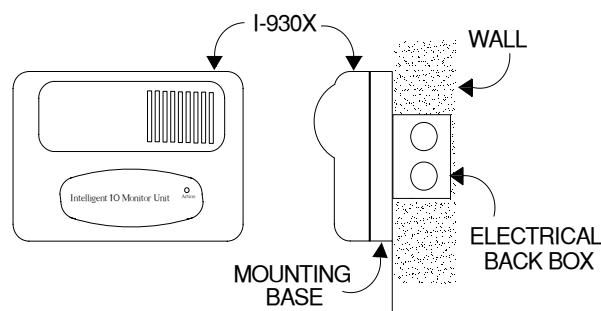
Electronic addressing can be done through Handheld Programming tool (P-9910B), purchased separately.

Technical Specifications

- Test Standard: CEA-GE1.084: 2000
- Protection rating: IP 32
- Approval: LPCB, CE
- Application: Input or Output (Single circuit)
- Input: programmable NO/NC
- Output control mode: NO/NC passive contacts; 24Vdc
- Output Capacity:
Passive: 5A/24Vdc(3A/110Vac) ;
Active: 24Vdc/ 1A
- Operating voltage: 24Vdc Loop voltage
- Operating Current:
Monitoring current: 1mA
Action Current: 5mA
- Operating temp: -10°C to +55°C
- Relative humidity: 95%
- Addressing: 1 to 242 using P-9910B
- Application: Indoor use
- Visual Indicator: LED, steady red when in alarm state, 3 sec interval blinking at normal state; Yellow (fault)
- Material and colour: ABS, off-white
- Wiring: 6 wires: 2 wire for loop (non-polarized) ; 2 wire for power cable(non-polarized) ; 2 wire for contact
- Dimensions: 120mmx80mmx40mm

Mounting Module Base

The module should be installed in compliance with all local codes and/or NFPA 72 National Fire Alarm Code, NFPA 70 National Electrical Code, BS5389, and EN45. It is installed onto a standard one gang electrical box with a mounting hole that have 6.5cm spacing.



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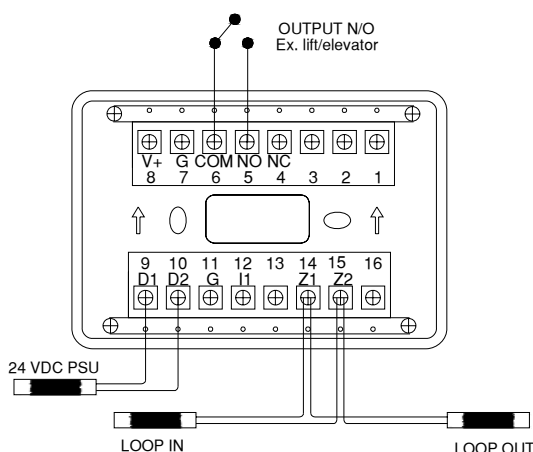
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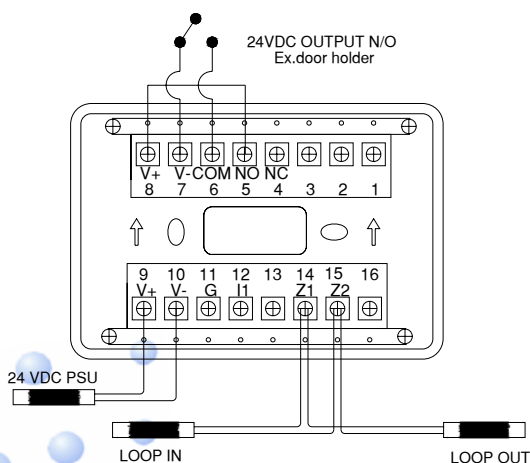
I-9301

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 Output Circuit. , V+ and V- 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)



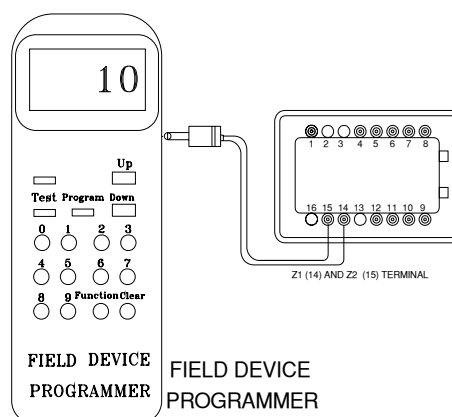
Wiring for relay contact (NO/NC)



Wiring for 24VDC output

Programming

The address and device parameter of the module can be programmed using GST handheld programmer (P-9910B), purchased separately. Connect the two wires of the handheld programmer to Z1 (14) , Z2 (15) terminals of the module.



Selection of compatible Control Panels

Compatible with all GST Intelligent Fire Alarm Panels GST200-2, GST5000, GST IFF8

Ordering Information:

Part No	Description	Weight/ Kg	Pack Qty per Box
I-9301	Intelligent Single Output/ Input Module	.198	120



Note: Specifications are subject to change without notice.

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