

DI-9302E

Innovation intelligent high voltage relay module

General

The DI-9302E is an intelligent high voltage relay module. It communicates with the fire alarm control panel (CIE) via 2 wires using a digital protocol.

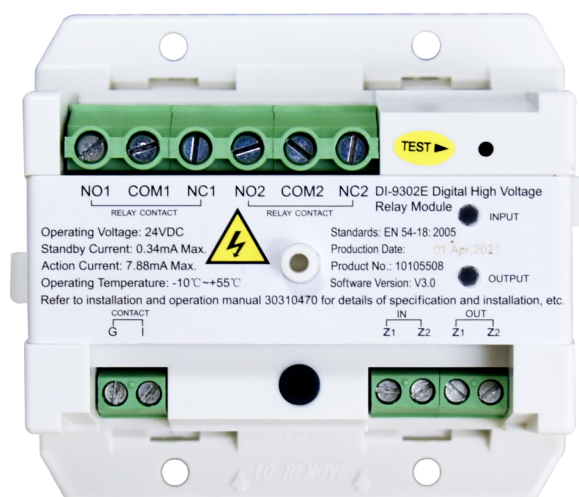
It provides two sets of high voltage, change over, dry contacts offering N/O COM N/C connections. An external trigger input is available that is able to supervise a N/O or N/C contact trigger from any external equipment.

Configuration & test facilities

The input and output may be configured to monitor and control the same, or completely different equipment. For fast installation and commissioning a test button on module allows for easy manual activation of the output, simulating the command from CIE without the need for real panel activation. Indication LEDs on the unit makes the status of the input and output visible and also indicates panel communications when no alarms are present.

Applications

The DI-9302E is designed to switch a mains level power supply up to 220 VAC. Two contacts are provided to switch both the LIVE and the NEUTRAL power lines allowing for the safe activation or deactivation of mains powered equipment.



Details

- Built-in microprocessor & AD sampling technology ensures reliable operation
- Easy electronic addressing
- "Invert Mode" support from a compatible CIE
- Two high voltage change-over contacts
- Electronically addressed
- Supervised input for additional monitoring
- LED status indication for activation and fault
- Supplied with the protective safety cover to prevent electric shock from high voltage terminals
- Integrated TEST button for quick testing
- DIN rail and surface mount support

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Technical specifications

General

Status indication	LEDs
Compatibility	GST DI-9000E systems
Addressing method	Electronic
Address range	1 to 242, uses 1 or 2 addresses (configuration dependent)

Electrical

Power supply type	Loop powered
Operating voltage	24 VDC (16 to 28 VDC)
Current consumption	≤ 0.34 mA (Standby) ≤ 7.88 mA (Activated)

Input

Input quantity	1
Input type and rating	NO/NC Dry Contact, Supervised
Input states	Active, Fault, Normal
Termination resistor	4k7 Ω

Output

Output quantity	1 DPDT
Output type and rating	Potential free changeover (Form C), 5 A @ 220 VAC

Physical

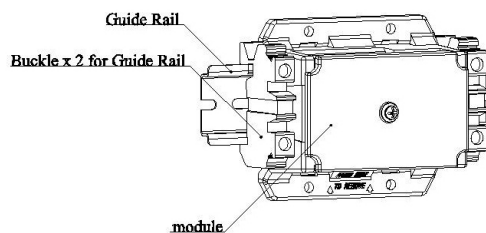
Physical dimensions	92.8 x 79.20 x 46.0 mm
Shipping weight	± 120 g
Colour	Traffic white (RAL9016)
Mounting type	DIN-rail, Surface mount
Material	ABS
Cable specification	1.5 to 2 mm ² twisted pair

Environmental

Vandal proof	No
Operating temperature	-10 to +55°C
Relative humidity	≤ 95% noncondensing
Environment	Indoor
IP rating	IP30

Regulatory

Compliance	CE, REACH, RoHS, WEEE
Certification	CPR
Standards	EN54-18 LPCB Marked UKCA



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