

## INS009

Remote Interface Module with support for two bi-directional Input/Output signals and a Monitored Communication Link

- Supports two signal inputs and three relay outputs



The INS009 provides a bi-directional Input/Output interface for relaying system states to the INS008 (Ethernet), INS021-W (WIFI) and INS021-G (GPRS) modules.

## FEATURES

- Two bi-directional Input/Output signal states communicated across a link established with the INS008 / INS021-W / INS021-G modules
- Supports a simple 'monitored' communication channel with configurable latency
- Support for debug via laptop with simple USB interface

- An easy solution to introducing a 'remote' conventional FAP into an existing FAP network via a monitored communication channel
- Product is DIN rail mountable
- Simple LED system status indication for fire, fault and monitored link

The INS009 links to the INS008 / INS021-W / INS021-G modules via an RS-485 interface. Supports two signal inputs and three relay outputs.

The two inputs can typically be used to transfer the status of 'Fire' and 'Fault' states from a fire panel across a monitored link between two INS008 / INS021-W / INS021-G modules. All relay outputs are driven by signal states presented by the INS008/W/G module.

When used with the INS008 / INS021-W / INS021-G modules, the INS009 activates an external relay contact based on the state of the monitored communication link between local and remote paired INS008 / INS021-W / INS021-G modules.

The module is housed in a DIN rail mountable enclosure with LED status indication visible on the front fascia of the module.

## SPECIFICATIONS

### DIMENSIONS

Dimensions:	99.1 X 111.9 X 22.5 mm
Weight:	200g
Mounting:	DIN Rail

### POWER

Operating voltage:	18 to 36V (24V DC nominal)
Current Rating:	150mA (at 24V)

### INTERFACES

Port A (Outputs):	1 - Fire Relay (NO) 2 - Fire Relay (NO) 3 - Fault Relay (NO) 4 - Fault Relay (NO)
Port B (Inputs):	1 - Fire Input (COM) 2 - Fire Input (NO) 3 - Fault Input (COM) 4 - Fault Input (NO)
Port C (RS-485):	1 - Data- 2 - Data+ 3 - Poll Relay (NO) 4 - Poll Relay (NO)
Port D (PSU):	1 - +12V TO 36V DC 2 - 0V 3 - No Connect 4 - Earth
USB:	USB Micro-B connection (Device / Slave Mode)

### TEMPERATURE

Operating:	-10 to 50°C
Storage:	-40 to 70°C

### AGENCY APPROVALS AND STANDARDS

CE, UKCA, RoHs, WEEE compliant
EMC: EN 61000-6-2
EMC: EN 61000-6-4
Safety: EN 60950

### WIRING DIAGRAM

