3 IO-PLUS

Addressable Triple Input/Output Module

The 3 IO-PLUS Modules are fully monitored loop powered devices which permit the interfacing of third party equipment with the Fire Alarm Control panel using normally open dry contact connections. Each module can be fitted with a maximum of 3 inputs and 3 outputs. The connection to each input is monitored for fault (open or short-circuit) and Alarm conditions.

The interface is used to monitor the contacts of an external system which must be interfaced to the Fire Alarm System, for example a Flow Switch in a sprinkler system to indicate if the sprinklers have been activated or extinguishant level monitoring in Gas Extinguishing Systems, etc.

Module is provided with a loop short-circuit isolator and with up to 3 voltage free single pole change over relay outputs. The output relays are always powered directly from the detection loop. It is not required to use an external 24V DC power supply. Relay operation is confirmed by an onboard red LED. A 8 way D.I.L. switch is provided to configure the module's address. This value can be set in the range 1 to 125.

The following programmable functions are available: Input Activation Mode, Delayed Input Alarm Activation, Output Delayed Activation.

Key Features

▶ Fast Activation Response

▶ Loop Powered

▶ Status LEDs for each I/O and O/P

▶ Low Power Consumption

▶ Module features an integral short-circuit loop isolator

TECHNICAL SPECIFICATIONS	
SUPPLY VOLTAGE	Loop Powered - 17 V to 30 V DC
LOOP CURRENT - QUIESCENT (I_0)	1.4 mA (1ch.) - 1.5 mA (2 ch.) - 1.6 mA (3 ch.)
LOOP CURRENT - ALARM	IQ+ 1.2 mA for each I/P in alarm
LOOP CURRENT - SHORT-CIRCUIT	IQ+ 1.4 mA max.
LOOP CURRENT - OPEN CIRCUIT	IQ+ 1.0 mA max.
LOOP CURRENT - OUTPUT	IQ+ 1.1 mA for each O/P activated
OUTPUT RELAY CONTACT RATING	2 A 30 V DC / 0.5 A 125 V AC
MAX. CABLE SIZE	2.5 mm²
CASE MATERIAL	ABS
OPERATING TEMPERATURE	-10ºC to 50ºC
MAX. HUMIDITY	95% RH Non-Condensing
DIMENSIONS	150 (W) x 90 (L) x 32 (H) mm
WEIGHT	216 g - boxed
ORDER CODE	
3 IO-PLUS - 1CHANNEL	1 CHANNEL - ADDRESSABLE TRIPLE I/O MODULE - W/ ISOLATOR - W/ DUAL GANG BOX
3 IO-PLUS - 2CHANNEL	2 CHANNELS - ADDRESSABLE TRIPLE I/O MODULE - W/ ISOLATOR - W/ DUAL GANG BOX
3 IO-PLUS - 3CHANNEL	3 CHANNELS - ADDRESSABLE TRIPLE I/O MODULE - W/ ISOLATOR - W/ DUAL GANG BOX