

Mains IO 1 Channel Input/Output Module

(ZIOU/230 & ZAI0/230)



Features

- ✓ Fast Activation Response
- ✓ Loop Powered
- ✓ Five Status LEDs provided
- ✓ Low Power Consumption
- ✓ Module features an integral short-circuit loop isolator
- ✓ Single mains rated relay contact

The Mains IO 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.

The connection to the 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 a voltage free single pole change over mains rated output. The output relay is 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 on-board red LED

An 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.

MODEL	ZIOU/230	ZAI0/230
Part No	48-125	48-126
Description	Mains Switching I/O Unit - Standard Protocol (MKI)	Mains Switching I/O Unit - Fyreye MKII Protocol
Supply Voltage	Loop Powered - 17V to 30V DC	
Loop Current - Quiescent (I_Q)	1.3 mA	
Loop Current - Alarm	2.9 mA	
Loop Current - Fault	2.9 mA (SC) - 2.6 mA (OC)	
Loop Current - Output Active	2.8 mA	
Output Relay Contact Rating	8A 250 VAC/30V DC	
Max. Cable Size	2.5 mm ²	
Case Material	ABS	
Max. Humidity	95% RH Non-Condensing	
Operating Temperature	-10°C to 50°C	
Dimensions	150 (W) x 90 (L) x 32 (H)	
Weight	210g inc. packaging	