IO2034C
Aritech 2000 Series addressable 4 input and 4 output unit

General

The IO2034C is a 2000 series addressable 4 input/4 output unit with selectable line supervision and 4 magnetically latched outputs. The unit is loop powered and supplied in an enclosure for surface mounting applications.

The 2000 series loop powered Input/Output modules are designed to provide unlimited applications to input monitoring and output switching. These modules combined with the powerful features of the 2000/1200 series fire panels gives the user total versatility for all applications.

Configuration

2000 series IO units operates on a 2000/1200 series loop to monitor input contacts and independently switch relay outputs for control of equipment. Each I/O module occupies only one address on the addressable loop regardless of the number of inputs or outputs on that module.

All 2000 series devices untilize an advanced digital data communications protocol with extensive error correction algorithms to ensure system reliability. Up to 128 devices may be installed on every communication loop. Device addressing is via two convenient, easy to use, rotary switches.

Inputs

Any input may be wired as supervised or as unsupervised, normally open or normally closed contacts. The IO unit will report four states back to the panel: Open, Passive, Active or Short circuit. Depending on the programming of the fire panel, actions can be taken for any one of these states.

Outputs

Every output is a magnetically latched relay providing a potential free change-over contact. The output relays do not require auxiliary power in either the active or passive states.

Details

- Wide range of I/O Modules : 2 input-1 output / 2 input-2 output / 4 input / 4 input - 4 output
- Versatile input structure
- Supervised inputs
- Normally Open/Normally Closed operation
- Magnetic latched output relays
- Loop powered
- Easy numeric addressing
- EN54 and CPD certified

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Technical specifications

Electrical

Operating voltage	17 to 39 VDC
Current consumption	< 350 µA (standby) 420 µA (max)

Input

Input quantity	4
Input type and rating	supervision selectable
Input states	Active, Normal, Open, Short
Termination resistor	150 kohm, ¼ W, 5%

Output

Output quantity	4 (2 A @ 30 VDC) (un supervised)

Physical

Physical dimensions	175 x 124 x 51 mm (L x W x H)
Colour	White
Material	Plastic

Environmental

Operating temperature	-5 to +40°C
Storage temperature	-20 to +60°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP40

Regulatory

Certification	EN54-18

Electronics

Input resistor	33 kO, ¼ W, 5%

Installation

Cable	2-core
Quantity (max)	128 per loop