IO2034NC

Aritech 2000 Series addressable 4 input and 4 output unit

General

The IO2034NC is a 2000 series addressable 4 input/4 output unit with full input supervision and 4 magnetically latched relay outputs. The unit is loop powered and supplied in an enclosure for surface mounting applications.

The 2000 series input/output modules are designed to provide solutions to a multitude of applications for input monitoring and output switching. These modules, combined with the powerful features of the Aritech 2000/1200 and 2X series fire panels, gives the user versatility in many applications.

Configuration

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

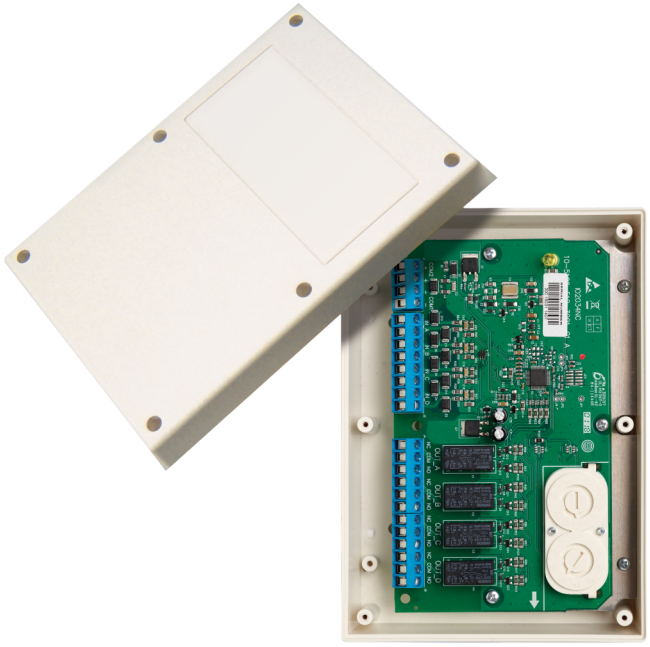
All 2000 series devices utilize an advanced digital data communications protocol with extensive error correction algorithms to ensure system reliability. Up to 128 devices may be installed on every communication loop. Device addressing is via two convenient, easy to use, rotary switches.

Inputs

All inputs are supervised for open, closed, active or passive states. The IO unit will report all states back to the panel where appropriate actions may be taken.

Outputs

Every output is a magnetically latched relay providing a potential free change-over contact. The output relays do not require additional power in either the active or passive states, allowing for a very low overall current consumption of the module even in an active state.



Details

- In- and outputs individually programmable on a single loop address
- Versatile input structure with full line supervision
- Normally open or closed relay operation
- Magnetically latched output relays maintain relay positions in case of power failure
- Loop powering saves on external supply and installation costs
- Easy numeric addressing avoids addressing errors
- EN54 and CPR certified

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Technical specifications

General

Status indication	LED
Compatibility	Aritech 2000 Series systems
Addressing method	Rotary switch
Address range	1 to 128 (128 devices per loop)

Electrical

Power supply type	Lus aangedreven
Operating voltage	17 to 28 VDC
Current consumption	<350 µA (Standby) 420 µA (Active)

Input

Input quantity	4
Input type and rating	Supervised
Input states	Active, Normal, Open, Short
Alarm resistor	33 kΩ, ¼ W, 5%
Termination resistor	150 kΩ, ¼ W, 5%

Output

Output quantity	4
Output type and rating	Relay 2A @ 30 VDC

Physical

Physical dimensions	175 x 124 x 51 mm
Net weight	100 g
Colour	Hvid
Mounting type	Vægmontering
Material	Plastic
Cable specification	2-core (loop)

Environmental

Vandal proof	No
Operating temperature	-10 to +55°C
Storage temperature	-20 to +60°C
Relative humidity	10 to 95% noncondensing
Environment	Indendør
IP rating	IP40

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-18

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