

## **IO2031**

*Input Output unit - 2 input 1 output*

The Aritech range of loop powered Input/Output Modules are designed to provide unlimited applications to input monitoring and output switching in 2000 Series Analogue Addressable Fire Detection Systems.

The 2000 Series of I/O Modules combined with the powerful features of the FP 2000 Fire Panels gives the user total versatility.

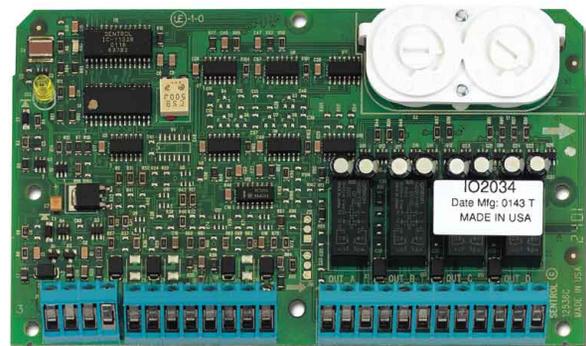
The true power of analogue addressable fire detection systems is realized by the ability to perform input and output operations from the loop using this series of I/O modules. These units will operate on a 2000 Series Loop to monitor input contacts and independently switch relay outputs for control of equipment.

Each I/O module occupies only one address on the analogue addressable loop regardless of the number of inputs or outputs on that module.

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

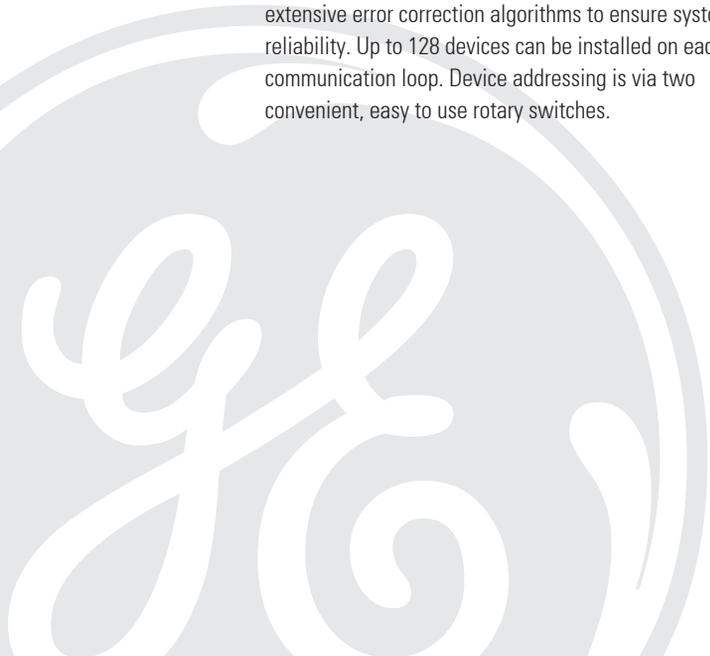
Each output is a magnetically latched relay providing a potential free change-over contact. The output relays do not require auxiliary power in either the active or passive states.

The 2000 Series Analogue Addressable Sensors utilize an advanced digital data communications protocol with extensive error correction algorithms to ensure system reliability. Up to 128 devices can be installed on each communication loop. Device addressing is via two convenient, easy to use rotary switches.



### ***Standard Features***

- **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**
- **No external power required**
- **Easy numeric addressing**



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## Specifications

<b>Operating voltage</b>	17 - 28 V
<b>Total standby current</b>	< 250 A
<b>Typical standby current</b>	< 200 A
<b>Operating temperature</b>	-10°C to 70°C
<b>Operating humidity range</b>	0 - 95%; Non-condensing
<b>Outputs</b>	2 A max. at 30 V dc
<b>Inputs</b>	States
<b>100 K resistor in series with switch</b>	Quiescent (switch open) Switch closed Open circuit Short circuit
<b>No resistor in series with switch</b>	Quiescent (switch open) Not valid Open circuit Switch closed
<b>EOL resistor</b>	150 K, 1/4W, 5%

## Ordering Information

Part No.	Description
IO2031	Input Output unit - 2 input 1 output
IO2032	Input Output unit - 2 input 2 output
IO2034	Input Output unit - 4 input 4 output
IO2014	Input Output unit - 4 inputs



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