IU2050NC

Aritech 2000 Series addressable 1 input init

Product overview

The IU2050NC is a 2000 series addressable single input unit with selectable line supervision to monitor normally open or normally closed contacts. 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 much needed flexibility to input monitoring and output switching. These modules, combined with the powerful features of the Aritech addressable fire panels, give the user versatility for diverse applications.

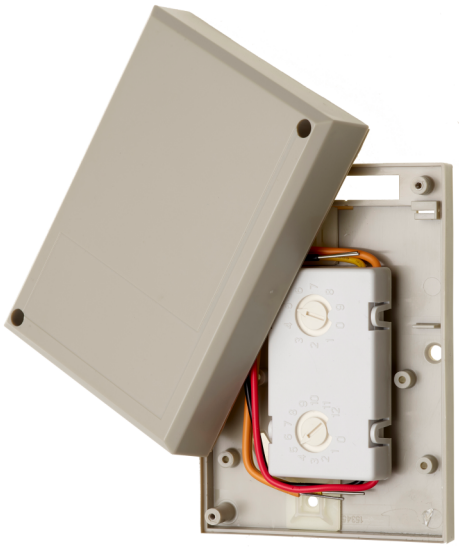
Application

The addressability of the IU2050NC allows the identification of the exact location of the switch activation. It may be used with applications requiring fast response such a conventional manual call points, door monitors etc. where a change of state needs to be reported within 3 seconds. Alternatively it can be used in any application where a point needs to be made addressable and supervised on the fire panel.

Installation

The IU2050NC is connected to and Aritech CIE via a two-wire communication loop that provides power and control data. The single input module address is conveniently set with rotary switches. The address setting is non-volatile and will not be lost in the event of a power failure.

The single input module utilizes an advanced digital data communications protocol that ensures the integrity of the data communications with extensive error correction algorithms.



Details

- Loop powered
- Programmable input state
- Easy numeric addressing
- EN54 approved and CPR certified
- Cable length to contact <10 m

IU2050NC

Aritech 2000 Series addressable 1 input init

Technical specifications

General

Compatibility	Aritech 2000 Series systems
Addressing method	Rotary switch

Electrical

Operating voltage	17 to 28 VDC
Current consumption	<205 µA (quiescent) <270 µA (active)
Communication voltage	4 to 10 V

Input

Input quantity	1
Input type and rating	Supervised
Termination resistor	150 kΩ, ¼ W, 5%

Physical

Physical dimensions	120 x 90 x 35 mm
Net weight	144 g
Colour	Cool grey
Mounting type	Surface mount
Cable entries	1
Material	Plastic

Environmental

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

Regulatory

Compliancy	CE, REACH, RoHS 2
Certification	BOSEC, VdS
Standards	EN54-18

Compatible products

Category	Reference	Description
Detection device	ISM-95	2000/900 Series isolator module w/ housing
Interface unit	IO2034NC	Aritech 2000 Series addressable 4 input and 4 output unit
Interface unit	IU2055NC	Aritech 2000 Series conventional zone monitor unit
Interface unit	IU2080NC	Aritech 2000 Series addressable 1 output unit

KIDDE GLOBAL SOLUTIONS

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 15 October 2026 - 16:35