DT2063N-ISOKIT

ARITECH [10 pack], 2000 Series addressable heat detector with isolator base

General

The DP2061N-ISOKIT pairs the popular 2000 series protocol addressable heat detector with an isolator base. The detector is certified to EN54 heat class A2 and includes a rate-of-rise algorithm that allows the device to raise the alarm before the fixed temperature trigger point is reached. Dual fire LEDs indicate an alarm visible from all directions, eliminating the need for special detector orientation on installation, whilst a remote indicator output is provided as standard on every device.

The short circuit isolator incorporated in the base protects the integrity of the addressable loop in the case of an overload or short-circuit on part of the loop.

Installation Friendly

The DT2063N is individually identified by setting an address through two rotary switches. The address is a straight numerical value and does not require binary or hexadecimal conversions, significantly reducing the risk of incorrect addressing.

For special applications, the fixed temperature trigger level of the DT2063N may be set at the CIE to accommodate higher activation temperatures.

Loop Isolation

The DB2016 isolator base senses and isolates overload and short circuit faults on a 2000 series fire detector loop. A yellow LED on the device indicates an isolation condition.

In the event of a single short circuit, the detector connected to the DB2016 continues to operate normally. The the entire loop circuit is not lost as only the effected part of the loop between two isolators are removed (isolated) from the circuit.

State of the Art Communication

Panel to device communication is provided through a powerful SIA protocol featuring multiple bus cycle codes and CRC error checking and ensuring reliable communications between the device and the control panel.

This enhanced protocol ensures the overall integrity and error free operation of the full system, without compromising speed.



Details

- Dual thermistor heat detector with isolator
- Remote signaling capabilities
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- EN54:5 and EN54:17 approved and CPR certified

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Technical specifications

General

Status indication	Dual red alarm LED, isolated yellow LED
User interface	LED's
Compatibility	Aritech 2000 series systems
Alarm levels	5
Connectivity	2000 Series bases
Addressing method	Rotary switch

Electrical

Power supply type	Loop powered
Operating voltage	17 to 28 VDC
Current consumption	< 300 µA (quiescent at 24 VDC) 4.7 mA (alarm at 24 VDC) < 2 mA (isolated)
No. of cable cores	2
Terminals	5

Detection

Detection principle	Heat
Monitoring	Alarm threshold, Short circuit
Sensitivity	Configurable
Coverage area	<80 m²
Air velocity	Unaffected
Alarm temperature (typical)	> +40°C
Rate-of-rise	Class A2

Output

Output quantity	1
Output type and rating	Remote indicator
Programmable	No
Remote alarm output	4.7 mA

Isolation

Type	Negative line break
Isolation voltage	14 V
Reconnect voltage	14.5 V
Switch current	800 mA (max)
Series resistance	0.1Ω

Physical

Physical dimensions	101 x 63.5 mm (Ø x H)
Net weight	132 g
Colour	Cloud white (RAL 9001)
Mounting type	Ceiling mount
Cable entries	1
Material (body)	Plastic

Environmental

Vandal proof	No
Operating temperature	−10 to +50ºC
Storage temperature	-10 to +70°C
Application temperature (typical)	+25°C
Relative humidity	10 to 95% non-condensing
Environment	Indoor
IP rating	IP20

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-5, EN54-17

Compatible products

Category	Reference	Description
Notification device	AI672	
Notification device	AI673	

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