DT2063N

ARITECH 2000 Series addressable heat detector

General

The DT2063N is a 2000 series protocol, addressable heat detector certified to class A2R. It provides good looks as well as top features, including 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.

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.

All 2000 series detectors are compatible with a standard base that makes them easily interchangeable.

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.

Extended applications

For varied applications the fixed temperature trigger level of the DT2063N may be set from the CIE to accommodate higher activation temperatures.

A comprehensive line of complimentary devices completes the 2000 series portfolio:
· common use detector bases
· optical, temperature and multi-sensors
· standalone and base isolators
· sounder circuit controllers
· conventional zone monitoring units
· various supervised and non-supervised I/0 units
· a comprehensive line of manual call points
· loop powered notification devices and beam detectors



Details

- Dual thermistors
- Remote signaling capabilities
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- Full range including optical and multi sensors
- Full range of I/0 units and accessories
- Optional isolator base
- EN54:5 approved and CPR certified

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Technical specifications

General

Status indication	Dual red alarm LED
User interface	LEDs
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	<270 µA (quiescent at 24 VDC) 4.7 mA (alarm at 24 VDC)

Detection

Detection principle	Heat
Monitoring	Alarm threshold
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

Physical

Physical dimensions	100 x 50 mm (Ø x H)
Net weight	83 g
Colour	Cloud white (RAL 9001)
Mounting type	Ceiling mount
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% noncondensing
Environment	Indoor
IP rating	IP20

Regulatory

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

Compatible products

Category	Reference	Description
Detection device	DB2002	ARITECH 2000 Series standard point detector base
Detection device	DB2004	ARITECH 2000 Series deep point detector base
Detection device	DB2016	ARITECH 2000 Series base with isolator
Notification device	AI672	Dx700 / Dx2000 series conventional remote indicator
Notification device	AI673	Conventional remote indicator with buzzer
Notification device	DB2368IAS-W	ARITECH 2000 Series sounder base with isolator, white

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