DT2063

2000 Series Heat Detector with Remote LED Output

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

- Remote test capabilities
- Remote signaling capabilities
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- Polarity insensitive
- 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

Electrical

Operating voltage	17 to 28 VDC
Current consumption	< 150 µA (quiescent @ 24 VDC)
	< 270 µA (alarm @ 24 VDC)

Detection

Coverage area	up to 80 m²

Output

Remote alarm output	4.7 mA

Physical

Physical dimensions	100 x 50 mm (Ø x H)
Net weight	91 g
Colour	White (RAL 9001)

Environmental

Operating temperature	-10 to +60°C
Storage temperature	-10 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP43

Standards & regulation

Certification	EN54-5

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