# 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-Stromversorgung |
| Operating voltage | 17 to 28 VDC |
| Current consumption | <270 µA (quiescent at 24 VDC)<br>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 | Wolkenweiß (RAL 9001) |
| Mounting type | Deckenmontage |
| Material (body) | Plastik |

### 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 | Drinnen |
| 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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