



## Product Data Sheet

# DT2063

## 2000 Series Heat Sensor with Remote LED Output

### General

The DT2063 is a 2000 series protocol, addressable temperature detector rated at class A1, A2 and B (depending on the panel configuration settings). 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 DT2063s are 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 sensors are compatible with a standard base, which 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

A comprehensive line of complimentary devices accompanies the 2000 series optical detectors:

- common use detector bases
- temperature and multi-sensors
- stand alone and base isolators
- sounder circuit controllers
- conventional zone monitoring units
- various I/O modules
- a comprehensive line of manual call points
- loop powered sounders & sounder beacons



### Standard Features

- 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/O units and accessories
- Isolator base
- EN54, VdS and CPD approved

# DT2063

## 2000 Series Heat Sensor with Remote LED Output

### Specifications

Operating voltage	17 - 28 VDC
Current consumption	
Quiescent @ 24 VDC	< 150 microA
Alarm @ 24 VDC	2 mA
Alarm indication	Dual Red LED
Remote alarm output	4 mA
Environmental	
Maximum allowable airflow	Unaffected
Humidity	0 - 95% non condensing
Operating temperature	-10°C to +70°C
IP rating	IP43
Physical	
Dimensions (Ø x h)	10 x 5 cm
Compliance	EN54-5 Class A1, A2 and B (as per panel configuration)

### Ordering Information

Part No.	Description
DT2063	2000 Series Heat Sensor with Remote LED Output
DB2002	2000 Series Base 10 cm, 5 Terminals
DB2002U	2000 Series Base 15 cm, 5 Terminals
DB2004	2000 Series Deep Base, 5 Terminals
DB2016	2000 Series Isolating Base
AI672	Optical Remote Indicator
AI673	Optical and Accustical Remote Indicator

