



DT2073

2000 Series Heat Detector with 7-segment Display and Remote LED Output

General

The DT2073 is a 2000 series protocol, addressable temperature detector rated at class A1, A2 and B (depending on the panel configuration settings). A rate-of-rise algorithm allows the device to raise the alarm before the fixed temperature trigger point is reached, whilst an exclusive 7-segment display provides on the spot information such as alarm notification for fault, pre-alarm, maintenance alarm (CleanMe), disable, test, error (double address, wrong sensor type) and sensor polling.

Installation Friendly

DT2073s are addressed through two rotary switches. The address is a straight numerical value that 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.

Maintenance Friendly

Every detector is equipped with a local test function. The test may be activated using an external magnet, during which the detector displays its address and real time analogue value locally.

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, ensuring reliable communications between the device and the control panel. This enhanced protocol ensures overall integrity and error free operation of the system without compromising speed.

Extended Applications

A comprehensive range of accessories complements the 2000 series device range. The following accessories exist:

- A comprehensive line of bases
- Optical and Multi-Sensors
- Stand alone isolators
- Sounder circuit controllers
- Conventional zone monitoring units
- Various I/O modules.
- A comprehensive line of manual call points



Standard Features

- 7-Segment display
- 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 and CPD certified
- VdS approved

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Specifications

Operating voltage	17 - 28 VDC
Current consumption	
Quiescent @ 24 VDC	< 150 μ A
Alarm @ 24 VDC	4 mA
Alarm indication	LED and 7-Seg. Disp.
Remote alarm output	4 mA
Environmental	
Humidity (noncond.)	10 - 95%
Storage temperature	-10°C to +70°C
Operating temperature	-10°C to +60°C
IP rating	IP43
Physical	
Dimensions (\varnothing x h)	10 x 5 cm
Colour	White
Weight	91 g
Coverage	
Area	60 m ²
Height	3.8 to 4.2 m
Compliance	EN54-5

Ordering Information

Part No.	Description
DT2073	2000 Series Heat Detector with 7-segment Display and 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

