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TECHNICAL FICHE

DP2061T

2000 Series Optical/Heat Multi-Sensor with Remote LED Output

General

The DP2061T multi-sensor combines the smoke sensitivity of an optical smoke detector with the enhancement of heat sensing. Being able to operate in five dynamically changeable modes, the DP2061T can operate as an optical smoke sensor enhanced by heat detection (with two different smoke sensitivities), as a dual smoke and A2R heat detector – each sensor operating independently, as an optical sensor only, or as a A2R heat detector only.

Multimode operation

The five modes may be controlled by day/night mode operation for each sensor. The sensor may, for example, operate as a heat sensor during the day in an occupied building, and at high sensitivity of smoke with heat at night when the building is not occupied. Each sensor may be controlled independently.

A full range

The DP2061T multi-sensor is part of the 2000 series family. This series includes optical smoke and heat detectors, IO units, a full line of manual call points, standard and isolator bases, and also provides models with an exclusive 7-segment display and local test function.

Maintenance friendly

The DP2061T multi-sensor has all the maintenance features of the 2000 series sensors. It features the field replaceable optical block, allowing the cleaning of the optical chamber on site without the need for recalibration. A self-test feature as well as drift compensation and contamination warning is provided when used with compatible Aritech fire panels.

State of the art communication

An enhanced protocol ensures the overall integrity and errorfree operation of the system, without compromising speed. The 2000 series protocol provides features such as CRC error checking and multiple bus cycle codes to enable advanced features of the panel to detector communication.

Standard Features

- Optical smoke and heat detection
- Five modes of operation:
  - Multisensor with 2 selectable smoke sensitivities
  - Dual sensor (independant optical and A2R heat)
  - Optical sensor only
  - Heat sensor only (A2R - 60°C with rate-of-rise)
- Independant control of detector modes
- Optical sensor with field exchangeable optical chamber
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- Remote test capabilities
- Remote signalling capabilities
- Full range of sensors: optical and heat
- Full range of I/0 units, MCPs and accessories
- EN54:5/7 approved and CPR certified

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Specifications

Operating voltage	17 - 28 VDC
Current consumption	
Quiescent @ 24 VDC	350 µA
Alarm @ 24 VDC	4 mA
Alarm indication	Dual LED
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	IP23
Physical	
Dimensions (Ø x h)	10 x 5 cm
Colour	Cloud White (RAL9001)
Weight	115 g
Coverage	
Area	60 to 80 m²
Compliance	EN54-5, EN54-7

Ordering Information

Part No.	Description
DP2061T	2000 Series Optical/Heat Multi-Sensor with Remote LED Output
DB2002	2000 Series Detector Base 10 cm, 5 Terminals
DB2002U	2000 Series Detector Base 15 cm, 5 Terminals
DB2004	2000 Series Detector Deep Base, 5 Terminals
DB2016	2000 Series Detector Isolating Base
AI672	Optical Remote Indicator
AI673	Optical and Accustical Remote Indicator
211	Optical Replacement Chamber for 400, 500, 700 and 2000 Series Detectors
DP2CAP-ICT	2000/700 Series Detector Insect Protection Cap