



# DP2061T

## 2000 Series Addressable Multisensor Optical/Heat

### General

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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 detector enhanced by heat detection (with two different smoke sensitivities), as a dual smoke and A2R heat detector – each sensor operating independently, as an optical detector only, or as a A2R heat detector only.

### Multimode operation

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The five modes may be controlled by day/night mode operation for each sensor. The detector may, for example, operate as a heat detector 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

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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.

### Maintenance friendly

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The DP2061T multi-sensor has all the maintenance features of the 2000 series detectors. 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

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An enhanced protocol ensures the overall integrity and error-free 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.



### Details

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

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### Technical specifications

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#### General

Status indication	Dual LED
Compatibility	Aritech 2000 systems
Alarm levels	5
Connectivity	2-wire loop & remote indicator

#### Electrical

Operating voltage	17 to 28 VDC
Current consumption	350 $\mu$ A (quiescent at 24 VDC) 4 mA (alarm at 24 VDC)

#### Detection

Detection principle	Optical light scatter and/or heat
Coverage area	< 80 m <sup>2</sup>
Rate-of-rise	Class A2

#### Output

Output quantity	1
Programmable	No
Remote alarm output	4 mA

#### Physical

Physical dimensions	100 x 50 mm ( $\varnothing$ x H)
Net weight	115 g
Colour	Cloud white (RAL 9001)
Mounting type	Ceiling mount
Material (body)	Plastic

#### Environmental

Vandal proof	No
Operating temperature	-10 to +60°C
Storage temperature	-10 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP23
Ambient temperature	+25°C

#### Standards & regulation

Compliance	CE, REACH, RoHS 2, WEEE
Certification	CPR
Standards	EN54-7

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