

DP2061T

2000 Series Addressable Multisensor Optical/Heat

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 5 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 (EN54-7 certified), or as a A2R heat detector only.

Multimode operation

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

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

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

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

- · Optical enhanced by heat, smoke detector
- Remote signalling capabilities
- · Optical sensor with field exchangeable optical chamber
- Five modes of operation: Multisensor with 2 selectable smoke sensitivities • Dual sensor (independent optical and A2R heat) • Optical sensor only (EN54-7 approved) • Heat sensor only (A2R - 60°C with rateof-rise)
- Independant control of detector modes
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- 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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2000 Series Addressable Multisensor Optical/Heat

Technical specifications

Status indication Dual LED Compatibility Aritech 2000 systems Alarm levels 5 Connectivity 2000 Series bases Addressing method Rotary switch Electrical Power supply type Loop powered Operating voltage 17 to 28 VDC Current consumption 350 µA (quiescent at 24 VDC) 4 mA (alarm at 24 VDC) Detection Detection principle Optical light scatter and/or heat Monitoring Alarm threshold, Contamination level Sensitivity Configurable Coverage area < 80 m² Rate-of-rise Class A2 compliant Output Output quantity 1 Output type and rating Remote indicator Programmable No Remote alarm output 4 mA Physical Physical dimensions 100 x 50 mm (Ø x H) Net weight 115 g Colour Cloud white (RAL 9001) Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, ROHS 2, WEEE	General	
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Output type and rating Remote indicator Programmable No Remote alarm output 4 mA Physical Physical dimensions 100 x 50 mm (Ø x H) Net weight 115 g Colour Cloud white (RAL 9001) Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Output	
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Remote alarm output 4 mA Physical Physical dimensions 100 x 50 mm (Ø x H) Net weight 115 g Colour Cloud white (RAL 9001) Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Output type and rating	Remote indicator
Physical Physical dimensions 100 x 50 mm (Ø x H) Net weight 115 g Colour Cloud white (RAL 9001) Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Programmable	No
Physical dimensions 100 x 50 mm (Ø x H) Net weight 115 g Colour Cloud white (RAL 9001) Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Remote alarm output	4 mA
Net weight 115 g Colour Cloud white (RAL 9001) Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Physical	
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Mounting type Base mount Material (body) Plastic Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Net weight	115 g
Material (body) Plastic Environmental Vandal proof Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Colour	Cloud white (RAL 9001)
Environmental Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Mounting type	Base mount
Vandal proof No Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Material (body)	Plastic
Operating temperature -10 to +60°C Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Environmental	
Storage temperature -10 to +70°C Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Vandal proof	No
Application temperature +25°C (typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Operating temperature	-10 to +60°C
(typical) Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Storage temperature	-10 to +70°C
Environment Indoor IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE		+25°C
IP rating IP23 Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Relative humidity	10 to 95% noncondensing
Regulatory Compliancy CE, REACH, RoHS 2, WEEE	Environment	Indoor
Compliancy CE, REACH, RoHS 2, WEEE	IP rating	IP23
Compliancy CE, REACH, RoHS 2, WEEE	Regulatory	
Certification CPR		CE, REACH, RoHS 2, WEEE
	Certification	CPR

Compatible products

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Category	Reference	Description	
Detection	DB2002		
device			
Detection	DB2002U		
device			
Detection	DB2004		
device			
Detection	DB2016		
device			
Detection	DP2CAP-ICT		
device			
Notification	AI672		
device			
Notification	AI673		
device			
Notification	DB2368IAS-W		
device			



EN54-7

Standards

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