



## Product Data Sheet

# DP2061N

## 2000 Series Optical Detector with Remote LED Output

### General

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The DP2061N is a 2000 series protocol, addressable optical detector. It is equipped with a field-exchangeable optical block and is fully CPD certified. This optical sensor combines good looks with an alarm and fault LED, and features a remote indicator output.

### User Friendly

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Every detector is equipped with an internal self-test feature. This can be activated with a simple external magnet and allows the detector to perform a self-test for which the result is reported to the panel.

Sensors are individually identified by setting an address through 2 rotary switches. The address is straight numerical and does not require binary or hexadecimal conversions and therefore significantly reduces the risk of incorrect addressing.

### Maintenance Friendly

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The DP2061N features a disposable optical chamber. This allows the detector to be easily serviced without the need for specialised equipment in the field, and without operating through an exchange pool of any kind.

All 2000 series detectors are compatible with a standard base, which makes them easily interchangeable.

### State of the Art Communication

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Panel to detector communication is provided through the powerful SIA protocol. It features multiple bus cycle codes and CRC error checking and ensures the overall integrity and error free operation of the system without compromising speed.



### Standard Features

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- Remote test capabilities
- Remote signalling capabilities
- Field exchangeable optical chamber
- Easy numeric addressing (1-128)
- Enhanced communication protocol
- Full diagnostic self testing
- Full range of detectors available
- Full range of I/O units and accessories
- Isolator base
- EN54:7 and CPD certified

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### Specifications

Operating voltage	17 - 28 VDC
Current consumption	
Quiescent @ 24 VDC	350 $\mu$ A
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	IP43
Physical	
Dimensions ( $\varnothing$ x h)	10 x 5 cm
Colour	White
Weight	115 g
Coverage	
Area	80 m <sup>2</sup>
Height	3.8 to 4.2 m
Compliance	EN54-7

### Extended Applications

A comprehensive 2000 series range of detectors and accessories complement the DP2061N detector. Apart from a complete detector line as well as a full line of manual call points, accessories such as isolators, sounder circuit controllers, zone monitor units and a variety of I/O modules are also available.

### Ordering Information

Part No.	Description
DP2061N	2000 Series Optical Detector 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
211	Optical Replacement Chamber for 400, 500, 700 and 2000 Series Detectors
DP2CAP-ICT	2000/700 Series Insect Protection Cap

