**United Technologies**
Climate | Controls | Security

# 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 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

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 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 signalling capabilities
- Full range of sensors: optical and heat
- Full range of I/0 units, MCPs and accessories
- EN54:7 approved and CPR certified

# DP2061T
## 2000 Series Addressable Multisensor Optical/Heat

## Technical specifications

### Electrical

| | |
|---|---|
| Operating voltage | 17 to 28 VDC |

### Physical

| | |
|---|---|
| Physical dimensions | 100 x 50 mm (Ø x H) |
| Net weight | 115 g |
| Colour | Cloud white (RAL 9001) |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +60°C |
| Storage temperature | -10 to +70°C |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP23 |

### Standards & regulation

| | |
|---|---|
| Certification | EN54-7 |

### Current consumption

| | |
|---|---|
| Quiescent @ 24 VDC | 350 µA |
| Alarm @ 24 VDC | 4 mA |

### Alarm indication

| | |
|---|---|
| | Dual LED |

### Remote alarm output

| | |
|---|---|
| | 4 mA |

### Coverage

| | |
|---|---|
| Area | 60 to 80 m² |

**United Technologies**

Climate | Controls | Security