

# ECO1000

Smoke and Thermal Detectors



## FEATURES

Photo-thermal model

Laser-based remote test unit

EN 54 Certified (2000 edition)

Photoelectric, photo-thermal and thermal detectors

Improved chamber design

Compatible with fire and security systems

-20 to +60°C operating temperature range

Choice of bases (including a 12V relay version)

Photoelectric model with integral piezoelectric sounder  
(availability subject to further announcement)



# ECO1000

Smoke and Thermal Detectors

## SPECIFICATIONS

|                           |                                          |                                   |
|---------------------------|------------------------------------------|-----------------------------------|
| <b>Dimensions:</b>        | 42mm (optical) or 50mm (thermal) ø 102mm |                                   |
| <b>Operating Voltage:</b> | 8 – 30VDC (nominal 12 or 24VDC)          |                                   |
| <b>ECO Bases:</b>         | ECO1000B                                 | Standard base                     |
|                           | ECO1000BSD                               | Standard base with Schottky diode |
| <b>Accessories</b>        | ECO1000RTU                               | Remote test unit                  |
| <b>Part Numbers:</b>      | Optical + base                           | ECO 1003 + Base                   |
|                           | Optical                                  | ECO 1003                          |
|                           | Optical thermal + base                   | ECO 1002 + Base                   |
|                           | Optical thermal                          | ECO 1002                          |
|                           | Standard base                            | ECO 1000B                         |
|                           | Diode base                               | ECO 1000BSD                       |
|                           | Thermal + base                           | ECO 1005 + Base                   |
|                           | Thermal                                  | ECO 1005                          |

### ECO1002 COMBINED PHOTO THERMAL

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Typical Standby Current:</b> | 240µA                                             |
| <b>Maximum Alarm Current:</b>   | 50mA (limited by control panel)                   |
| <b>Maximum Humidity:</b>        | 95% RH                                            |
| <b>Operating Temperature:</b>   | -20 to +60°C                                      |
| <b>Weight:</b>                  | 75g                                               |
| <b>Approvals:</b>               | Meets EN54-7:2000; EN54-5:2000 Class A1R; CEA4021 |

### ECO1003 PHOTO-ELECTRIC DETECTOR

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Typical Standby Current:</b> | 110µA                           |
| <b>Maximum Alarm Current:</b>   | 50mA (limited by control panel) |
| <b>Maximum Humidity:</b>        | 95% RH                          |
| <b>Operating Temperature:</b>   | -20 to +60°C                    |
| <b>Weight:</b>                  | 75g                             |
| <b>Approvals:</b>               | Meets EN54-7:2000               |

### ECO1005 RATE OF RISE THERMAL DETECTOR

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Typical Standby Current:</b> | 125µA                           |
| <b>Maximum Alarm Current:</b>   | 50mA (limited by control panel) |
| <b>Maximum Humidity:</b>        | 95% RH                          |
| <b>Operating Temperature:</b>   | -20 to +60°C                    |
| <b>Weight:</b>                  | 70g                             |
| <b>Approvals:</b>               | Meets EN54-5:2000 Class A1R     |

## ORDERING