

## DESCRIPTION

The **ECO1000** series has been designed and certificated in compliance with the EN54 European standard (parts 5 and 7). This series is endowed with a range of features available until this moment, only on the most sophisticated addressable analogue detectors, therefore the more expensive ones.

This is the first time that these performances are recognizable in a conventional detectors family, to improve the protection degree and reduce immunity from false alarms and the analogue feature is not required.

The ECO1000 series is endowed with improved performance and avant-garde design of analysis chamber; suitably projected to reduce the dust sedimentation effect, than reducing the necessity of maintenance.

## DETECTORS

### ECO 1003

#### **OPTICAL SMOKE DETECTOR.**

The ECO1003 photoelectric smoke detector uses a state of the art optical chamber combined with an application

specific integrated circuit (ASIC) to provide quick and accurate detection of fires. A combination of the unique chamber design and other technically advanced features will significantly extend the service intervals before

cleaning of the detector becomes necessary.

The ECO1003 detector has an integral LED, which illuminates to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal.

### FEATURES

- Low profile design
- Low current draw
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option
- Certified to EN54 part 7 (2000)

**ECO1003****ECO1005****ECO1002**

### ECO 1005

#### **THERMAL DETECTOR**

The ECO1005 thermal detector uses a state of the art thermal element combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. The detector incorporates both rate of rise and static elements and is suitable for all areas where the ambient conditions do not normally exhibit rapid changes in temperature.

The ECO1005 detector also has an integral LED, which illuminates to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal. A variety of detector bases can be used with the ECO1005 detector, providing application flexibility and compatibility with a wide range of Fire Alarm Control Panels. All bases are fitted with a shorting spring to permit circuit testing prior to fitting the detector and have a tamper resistant feature, which when activated prevents removal of the detector without the use of a tool.

### FEATURES

- Low profile design
- Low current draw
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option
- Certified to EN54 part 5 (2000) Class A1R

## ECO1002

### PHOTOELECTRIC SMOKE / THERMAL DETECTOR

The **ECO1002** multi-criteria detector uses a state of the art optical chamber and a thermal element combined with a microprocessor, running sophisticated algorithms to provide quick and accurate detection of fires. The combination of photoelectric and thermal characteristics provides a faster response to 'real fire' situations, while at the same time reducing the risk of unwanted environmentally generated alarms. The **ECO1002** detector also has an integral LED, which illuminates to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal.

A variety of detector bases can be used with the **ECO1002** detector, providing application flexibility and compatibility with a wide range of Fire Alarm Control Panels. All bases are fitted with a shorting spring to permit circuit testing prior to fitting the detector and have a tamper resistant feature, which when activated prevents removal of the detector without the use of a tool.

## FEATURES

- Low profile design
- Low current draw
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option
- Tested and approved EN54-7:2000;
- EN54-5:2000 Class A1R; CEA 4021

## ECO1000

### ACCESSORIES OTHER DETECTORS

All the bases are equipped with a spring that allows the test circuit before detector installation. The bases are also, equipped with an anti-tampering mechanism, that when it is activate it prevents the detector removal without the appropriate tool.

Model:

**ECO1000B** Standard Base

**ECO1000BR** Resistor base 470 ohm

**ECO1000BREL24L** Relay base 24V Latching

**ECO1000DRT** extraction tool



**ECO1000B**



**ECO1000BREL24L**