

# Optical-Thermal Detector ECO1002

- **Addressable conventional technology**
- **Combination of optical and thermal characteristics of fire**
- **Drift compensation**
- **Individual detector addressing by means of optional address module**
- **Optional connection of remote indicator**
- **Function testable with Remote Test Unit ECO1000RTU**



## Description

The Optical-Thermal Detector ECO1002 uses both the scattered light principle as well as a separate thermal detection unit. It was developed to detect the characteristics of fire in a wide range of applications, and to avoid deceptive alarms. The modern design of both measurement systems and the analysis of the parameters by means of a special algorithm allow to reliably evaluate the characteristics of fire. This makes it an all-rounder that is used in virtually all fields of fire detection.

An internal drift compensation adjusts the alarm threshold by continually evaluating the contamination of the

detector. With that, the sensitivity of the detector is kept constant for a long time.

Addressable conventional technology is used for alarm transmission to the fire detection control panel. By means of the Address Module NG58-1, each detector can be addressed individually.

A test activation of the detector can be carried out using the Remote Test Unit ECO1000RTU. The detector can be attached to various detector bases and it can be protected against theft.

## Specifications

Operating voltage	Supply through the detector line voltage
Current consumption	typ. 80µA (quiescent)
Alarm temperature	58°C (maximum-heat component)
Operating temperature	max. +45°C
Ambient temperature	-30°C to +70°C
Relative humidity	5 – 95% (no condensation)
Dimensions ø × H	102 × 40.5 (mm)
Colour	white
Weight	75g
Approval	VdS G201067
Order number	241046
Order name	Optical-Thermal Detector/Conv./1000/SS ECO1002



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