

Optical-Thermal Detector

OH-13001

- **Addressable conventional technology**
- **Combination of optical and thermal characteristics of fire**
- **Individual detector addressing by means of optional address module**
- **Optional connection of remote indicator**
- **Sealed electronics**



Description

The Optical-Thermal Detector OH-13001 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.

Intelligent evaluation algorithms compensate for the contamination of the optical measurement system, thus keeping the response sensitivity of the detector constant for a long time. In this way, false alarms can

be avoided to a great extent. If the contamination can not be compensated any further, or if a fault occurs in the measurement system, this is indicated by a yellow flashing of the multicoloured status LED.

Addressable conventional technology is used for alarm transmission to the fire detection control panel. By means of the optional Address Module NG60-1, each detector can be addressed individually, thus allowing to display the detector address, as well as an assigned element text, on a suitable fire detection control panel.

The detector can be attached to various bases and it can be protected against theft.

Specifications

Operating voltage	Supply through the detector line voltage
Current consumption	typ. 65µA (quiescent)
Ambient temperature	-40°C to +70°C (no condensation or icing)
Relative humidity	0 – 98% (no condensation)
Dimensions ø × H	100 × 42 (mm)
Colour	white
Weight	80g
Approval	VdS G204040
Order number	241061
Order name	Optical-Thermal Detector/Conv./ORBIS/Apo OH-13001



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