

Optical-Thermal Detector 2351TEM

- **Addressable conventional technology**
- **Combination of optical and thermal characteristics of fire**
- **Drift compensation**
- **Sensitivity selectable in 3 steps**
- **Addressing by means of address module or detector parameterisation**
- **Function testable with Remote Test Unit ECO1000RTU**



Description

The Optical-Thermal Detector 2351TEM 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.

The thermal sensor complies with Class A1R according to EN 54-5. The detector can therefore be used in rooms with a maximum height of 7.5m.

Addressable conventional technology is used for alarm transmission to the fire detection control panel. The

detector addressing can be achieved in 2 ways:

- A detector with an Address Module NG58-1 can be individually identified by the suitable control panel.
- An address, which has been stored in the detector by means of the Remote Programming and Test Unit, is displayed on the Zonal Display Unit S300ZDU.

A test activation of the detector can be carried out using the Remote Test Unit ECO1000RTU. In addition to the test activation of the detector, the Remote Programming and Test Unit S300RPTU can also be used to set and display the following detector parameters:

- the sensitivity in 3 levels,
- the detector address, and
- the date of the previous maintenance.

Furthermore, the degree of drift compensation (detector contamination) and the current condition of the detector can be read out.

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. 85µA (quiescent)
Alarm temperature	typ. 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 × 43 (mm)
Colour	cream
Weight	75g
Approval	VdS G202018
Order number	241041
Order name	Optical-Thermal Detector/Conv./300/SS 2351TEM

