Optical-Thermal Radio Detector
2100RFT-AS

- **Combination of optical and thermal characteristics of fire**

- **Alarm temperature 58°C**

- **High range of radio transmission**

- **2 frequency bands with 24 bidirectional data channels**

- **Communication with RF Interfaces M500RFE-AS and M400RFE-AS**

- **Base included**

Description

The Optical-Thermal Radio Detector 2100RFT-AS uses both an optical sensing chamber based on the scattered light principle as well as a separate thermal max detection unit with an alarm temperature of 58°C. The detector communicates with the RF Interfaces M500RFE-AS or M400RFE-AS via a secured radio protocol. The activated condition of the detector is optically indicated by an LED. The radio detector is especially suitable for areas, where cabling is impossible or uneconomical.

4 data channels in the frequency band 868MHz as well as 20 channels in the frequency band 434MHz are available for the bidirectional data transmission. The availability of the channel is checked regularly. During the learning phase of the detector, i.e., when the detector is registered at the radio interface, a unique key, based on a choice of several million codes, is created, which allows the unambiguous identification of the detector. Regular status messages, monitoring of the battery voltage and the long life of the batteries ensure the high reliability of the system.

The detector is designed for indoor mounting and is delivered with a mounting base, however, batteries are not included.

Specifications

Operating voltage	2 lithium batteries 3V, type CR123, battery life approx. 1.5 years
Alarm temperature	58°C
Range of radio transmission (free air)	300m
Frequency band	868MHz or 434MHz
Ambient temperature	0°C to +40°C
Dimensions ø × H	140 × 55 (mm)
Colour	white
Weight (without batteries)	187g
Approval	VdS G204105
Order number	241036
Order name	Optical-Thermal Detector/RF/complete 2100RFT-AS
Lithium battery 3V	
Order number	249215
Order name	Battery for 2100RFT-AS CR123

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