

Thermal Detector

AD-58000-400

- **ADM loop technology with Apollo/Discovery protocol**
- **For use as maximum heat or rate-of-rise heat detector**
- **5 different operating modes selectable**
- **Optional connection of remote indicator**
- **Sealed electronics**



Description

The addressable Thermal Detector AD-58000-400 is based on the heat principle and was developed for the indoor temperature supervision in a wide range of fire detection applications.

Depending on the parameter setup in the fire detection control panel, the detector operates either as maximum heat detector with an alarm temperature of 61°C (EN 54-5 Class A2S) or 90°C (EN 54-5 Class CS), or as rate-of-rise heat detector with a maximum temperature of 58°C (EN 54-5 Class A1R), 61°C (EN 54-5 Class A2) or 90°C (EN 54-5 Class CR). In Class A1R the detector can be used up to a room height of 7.5m, in the other operating modes a room height of 6m is permissible.

The proven ADM loop technology with Apollo/Discovery

protocol establishes a permanent communication between the fire detection control panel and the detector. That ensures a periodical function testing of the detector. Fires are safely detected in the control panel by continuously analysing the measured values.

The two LEDs with 360° visibility indicate the activated condition of the detector. The detector address is selected by means of a code card in the detector base. Therefore the detector can be changed without additional tools.

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



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Specifications

Operating voltage	Supply through loop voltage
Current consumption	typ. 500µA (quiescent)
Alarm temperature	typ. 58°C (Class A1R, max. room height 7.5m) typ. 61°C (Class A2/A2S, max. room height 6m) typ. 90°C (Class CR/CS, max. room height 6m)
Operating temperature	max. +50°C (Class A1R, A2 and A2S) max. +80°C (Class CR and CS)
Ambient temperature	-20°C to +80°C (continuous operation, no condensation or icing)
Relative humidity	0 – 95% (no condensation)
Dimensions ø × H	100 × 42 (mm)
Colour	white
Weight	105g
Approval	VdS G299039
Order number	242028
Order name	Thermal Detector/Anal./Disc/Apo AD-58000-400



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