

Thermal Detectors

52051RE, 52051E, 52051HTE

- **ADM loop technology with System Sensor/200 protocol**
- **Thermal RoR detector 58°, A1R**
Thermal Max detector 58°, A1S
Thermal Max detector 78°, BS
- **Available with or without integrated isolator, in white or cream**
- **Function testable with magnet**



Description

The thermal fire detectors 52051RE, 52051E and 52051HTE contain a thermocouple for the detection of heat. The detectors are different in activation characteristic and alarm temperature.

The **Thermal RoR Detector 52051RE** complies with EN 54-5 Class A1R and reacts to a rapid rise in temperature as well as to a maximum temperature of 58°C. The detector can be used up to a room height of 7.5m.

The **Thermal Max Detector 52051E** complies with EN 54-5 Class A1S and reacts to a maximum temperature of 58°C. The detector can be used up to a room height of 7.5m.

The **Thermal Max Detector 52051HTE** complies with EN 54-5 Class BS and reacts to a maximum temperature of 78°C. The detector can be used up to a room height of 6m.

The proven ADM loop technology with System Sensor/200 protocol establishes a permanent communication between the fire detection control panel and the detector. That ensures a periodical function testing of the detector.

The detector address is set in the range 1 to 159 with two decadic rotary switches, thus allowing a change of the detector without additional tools.

The two LEDs with 360° visibility indicate the activated condition of the detector.

A detector function test can be conveniently conducted using a magnet. The detector can be attached to various bases and it can be protected against theft.

The thermal fire detectors 52051RE, 52051E and 52051HTE are available with or without integrated isolator in a white housing, as well as without isolator in a cream-coloured housing.

Specifications

Operating voltage	Supply through loop voltage
Current consumption at 24V, normal communication	max. 240µA (versions with isolator) max. 190µA (versions without isolator)
Alarm temperature	58°C (52051REx, 52051Ex) 78°C (52051HTEx)
Operating temperature	max. +50°C (52051REx, 52051Ex) max. +65°C (52051HTEx)



0786-CPD-20655
0786-CPD-20661
0786-CPD-20653
0786-CPD-20659
0786-CPD-20654
0786-CPD-20660

Building Safety. Building Security.

Ambient temperature	-30°C to +80°C
Relative humidity	10 – 93% (no condensation)
Dimensions ø x H	102 x 49 (mm)
Weight	88g

Thermal RoR detector 58°C with isolator, white

Approvals	VdS G209018 0786-CPD-20655
Order number	242110
Order name	Thermal RoR Detector/200APISM/A1R 52051REI

Thermal RoR detector 58°C without isolator, white

Approvals	VdS G209024 0786-CPD-20661
Order number	242111
Order name	Thermal RoR Detector/200AP/A1R 52051RE

Thermal RoR detector 58°C without isolator, cream-coloured

Approvals	VdS G209024 0786-CPD-20661
Order number	242090
Order name	Thermal RoR Detector/200AP/A1R/Ivory 52051RE-IV

Thermal Max detector 58°C with isolator, white

Approvals	VdS G209016 0786-CPD-20653
Order number	242112
Order name	Thermal Max Detector/200APISM/A1S 52051EI

Thermal Max detector 58°C without isolator, white

Approvals	VdS G209022 0786-CPD-20659
Order number	242113
Order name	Thermal Max Detector/200AP/A1S 52051E

Thermal Max detector 58°C without isolator, cream-coloured

Approvals	VdS G209022 0786-CPD-20659
Order number	242091
Order name	Thermal Max Detector/200AP/A1S/Ivory 52051E-IV

Thermal Max detector 78°C with isolator, white

Approvals	VdS G209017 0786-CPD-20654
Order number	242114
Order name	Thermal Max Detector/200APISM/BS 52051HTEI

Thermal Max detector 78°C without isolator, white

Approvals	VdS G209023 0786-CPD-20660
Order number	242115
Order name	Thermal Max Detector/200AP/BS 52051HTE

Thermal Max detector 78°C without isolator, cream-coloured

Approvals	VdS G209023 0786-CPD-20660
Order number	242092
Order name	Thermal Max Detector/200AP/BS/Ivory 52051HTE-IV

Building Safety. Building Security.

