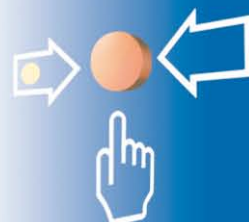


# Thermal Detectors

## 52051RE, 52051E, 52051HTE



- **ADM loop technology with System Sensor/200AP 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 loop technology with System Sensor/200AP 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 dual-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)
Application temperature	max. +50°C (52051REx, 52051Ex) max. +65°C (52051HTEx)

VdS

CE

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

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**LST**

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

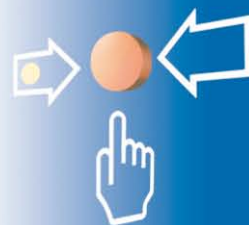
Approvals	VdS G209017 0786-CPD-20654
Order number	242114
Order name	Thermal Max Detector/200APISM/BS 52051HTEI

#### 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



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