

241045

**Optical Smoke Detector/1000 ECO1003**

The Optical Smoke Detector ECO1003 operates with an optical sensing chamber based on the principle of scattered light. The detector is designed for applications using addressable conventional technology and is suitable for indoor mounting.

For quick localisation in the event of an alarm, each detector can be assigned an address by adding an Address Module NG58-1 to the mounting base. The address of the detector in alarm condition as well as the assigned text is displayed on a compatible fire detection control panel.

Intelligent evaluation algorithms in the detector compensate for the impact of contamination of the optical sensing system. Thereby, the response sensitivity of the detector is kept constant for a long time, thus constituting an effective measure for preventing false alarms.

Features

- ◆ Output for external remote indicator
- ◆ Insect screen
- ◆ Functionality check by means of test activation with Remote Test Unit ECO1000RTU

Specifications

Operating voltage	supplied through detector line voltage
Current consumption	typ. 65µA (quiescent)
Ambient temperature	-30°C to +70°C
Relative humidity	5 to 95% (no condensation)
Dimensions Ø × H	102 × 32.5 (mm)
Colour	white
Weight	75g
Approvals	VdS G201060 0832-CPD-0064

Cross-references	Page	Art.No.	Name	Type
	163	249020	Address Module Conventional NG58-1	
	152	246140	Detector Base/1000 ECO1000BR1000	
	75	251003	Remote Indicator PA58-3	
	158	246150	Remote Test Unit/300/1000 ECO1000RTU	

241046

**Optical-Thermal Detector/1000 ECO1002**

The Optical-Thermal Detector ECO1002 operates both with an optical sensing chamber based on the principle of scattered light as well as with a rate-of-rise temperature sensor according to EN 54-5, Class A1R. The detector is designed for applications using addressable conventional technology and is suitable for indoor mounting up to a maximum room height of 7.5m. The alarm evaluation is based on the analysis of both detection units; if only one characteristic of fire occurs, false alarms can be mostly avoided.

For quick localisation in the event of an alarm, each detector can be assigned an address by adding an Address Module NG58-1 to the mounting base. The address of the detector in alarm condition as well as the assigned text is displayed on a compatible fire detection control panel.

Features

- ◆ Individual detector addressing by installing an optional Address Module NG58-1
- ◆ Drift compensation
- ◆ Output for external remote indicator
- ◆ Insect screen
- ◆ Functionality check by means of test activation with Remote Test Unit ECO1000RTU

Specifications

Operating voltage	supplied through detector line voltage
Current consumption	typ. 80µA (quiescent)
Alarm temperature	58°C (maximum-heat component)
Operating temperature	max. +45°C
Ambient temperature	-30°C to +70°C
Relative humidity	5 to 95% (no condensation)
Dimensions Ø × H	102 × 40.5 (mm)
Colour	white
Weight	75g
Approvals	VdS G201067 0832-CPD-0065

Cross-references	Page	Art.No.	Name	Type
	163	249020	Address Module Conventional NG58-1	
	152	246140	Detector Base/1000 ECO1000BR1000	
	75	251003	Remote Indicator PA58-3	
	158	246150	Remote Test Unit/300/1000 ECO1000RTU	

242047**Thermal Max Detector/1000/BS ECO1004T**

The Thermal Max Detector ECO1004T reacts to a maximum temperature of 78°C according to EN 54-5, Class BS. The detector is designed for applications using addressable conventional technology and is suitable for indoor mounting up to a maximum room height of 6m.

For quick localisation in the event of an alarm, each detector can be assigned an address by adding an Address Module NG58-1 to the mounting base. The address of the detector in alarm condition as well as the assigned text is displayed on a compatible fire detection control panel.

Features

- ◆ Output for external remote indicator
- ◆ Functionality check by means of test activation with Remote Test Unit ECO1000RTU

Specifications

Operating voltage	supplied through detector line voltage
Current consumption	typ. 75µA (quiescent)
Alarm temperature	typ. 78°C
Operating temperature	max. +60°C
Ambient temperature	-30°C to +70°C (continuous operation)
Relative humidity	5 to 95% (no condensation)
Dimensions Ø × H	102 × 40.5 (mm)
Colour	white
Weight	70g
Approvals	VdS G204042 0832-CPD-0068

Cross-references	Page	Art.No.	Name	Type
	163	249020	Address Module Conventional NG58-1	
	152	246140	Detector Base/1000 ECO1000BR1000	
	75	251003	Remote Indicator PA58-3	
	158	246150	Remote Test Unit/300/1000 ECO1000RTU	

242045**Thermal RoR Detector/1000/A1R ECO1005**

The Thermal RoR Detector ECO1005 reacts to temperature changes within defined periods of time (rate-of-rise principle) as well as to a maximum temperature of 58°C according to EN 54-5, Class A1R. The detector is designed for applications using addressable conventional technology and is suitable for indoor mounting up to a maximum room height of 7.5m.

For quick localisation in the event of an alarm, each detector can be assigned an address by adding an Address Module NG58-1 to the mounting base. The address of the detector in alarm condition as well as the assigned text is displayed on a compatible fire detection control panel.

Features

- ◆ Output for external remote indicator
- ◆ Functionality check by means of test activation with Remote Test Unit ECO1000RTU

Specifications

Operating voltage	supplied through detector line voltage
Current consumption	typ. 75µA (quiescent)
Alarm temperature	58°C (maximum-heat component)
Operating temperature	max. +45°C
Ambient temperature	-30°C to +70°C
Relative humidity	5 to 95% (no condensation)
Dimensions Ø × H	102 × 40.5 (mm)
Colour	white
Weight	70g
Approvals	VdS G201016 0832-CPD-0066

Cross-references	Page	Art.No.	Name	Type
	163	249020	Address Module Conventional NG58-1	
	152	246140	Detector Base/1000 ECO1000BR1000	
	75	251003	Remote Indicator PA58-3	
	158	246150	Remote Test Unit/300/1000 ECO1000RTU	

242046

Thermal Max Detector/1000/A2S ECO1005T

The Thermal Max Detector ECO1005T reacts to a maximum temperature of 58°C according to EN 54-5, Class A2S. The detector is designed for applications using addressable conventional technology and is suitable for indoor mounting up to a maximum room height of 6m.

For quick localisation in the event of an alarm, each detector can be assigned an address by adding an Address Module NG58-1 to the mounting base. The address of the detector in alarm condition as well as the assigned text is displayed on a compatible fire detection control panel.

Features

- ◆ Output for external remote indicator
- ◆ Functionality check by means of test activation with Remote Test Unit ECO1000RTU

Specifications

Operating voltage	supplied through detector line voltage
Current consumption	typ. 75µA (quiescent)
Alarm temperature	typ. 58°C
Operating temperature	max. +45°C
Ambient temperature	-30°C to +70°C
Relative humidity	5 to 95% (no condensation)
Dimensions Ø × H	102 × 40.5 (mm)
Colour	white
Weight	70g
Approvals	VdS G201073 0832-CPD-0067

Cross-references	Page	Art.No.	Name	Type
	163	249020	Address Module Conventional NG58-1	
	152	246140	Detector Base/1000 ECO1000BR1000	
	75	251003	Remote Indicator PA58-3	
	158	246150	Remote Test Unit/300/1000 ECO1000RTU	