

Conventional Photoelectric Smoke Detector

The photoelectric smoke detector has been designed with a unique symmetrical chamber.

The chamber ensures optimum air entry from all directions and offers immunity to ambient light into the detectors.

A custom ASIC provides superior and reliable detection performance whilst reducing the problems of false alarms.

A patented moulding profile helps to enhance long term stability by removing airborne contamination before it can enter the sensing chamber.



Features

- EN54-7:2018 approved (Cert No. 603a/08)
- Double dust trap protects the smoke chamber from contamination
- Central LED providing 360 degree visibility
- Magnetic test feature
- Anti-Tamper locking feature
- Robust and reliable
- Unique range of Decorline finishes are available
- 3 year warranty
- Part Number 20-AS1000-ADV

Specification

Operating Voltage	10-30V
Stand by Current	I=75 uA
Alarm Current	Ial=50mA
LED Current Consumption	Iled=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (no condensing)	95% RH
Height with Base	54 mm
Diameter	110mm
Approvals / Certification	EN54-7:2018

Order Codes and Options

20-AS1000-ADV:	Photoelectric Smoke Detector
----------------	------------------------------

Conventional Class A1R Rate Of Rise Heat Detector

The Rate Of Rise Heat Detector meets the requirements of EN54-5 class A1R and provides the highest level of protection when smoke detection is unsuitable.

A single centrally positioned, NTC thermistor that supervises the ambient temperature with low thermal inertia.

A custom ASIC provides superior and reliable detection performance whilst reducing the problems of false alarms.



Features

- EN54-5:2017 +A1:2018
- Central LED providing 360-degree visibility
- Magnetic test feature
- Anti-Tamper locking feature
- Robust and reliable
- Unique range of Decorline finishes are available
- 3-year warranty
- Part Number 20-AS3500A1R-ADV

Specification

Operating Voltage	10-30V
Stand by current	I=75 uA
Alarm current	Ial=50mA
LED current consumption	Iled=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (no condensing)	95% RH
Height with base	54 mm
Diameter	110mm
Approvals / Certification	EN54-5:2017

Order Codes and Options

20-AS3500A1R-ADV:	Class A1R Rate Of Rise Heat Detector
-------------------	--------------------------------------

Conventional Class P Thermal Detector

The 20-AS3500-ADV user programmable rate of rise detector and high-temperature detector meets the requirements of EN 54-5 class A1R and class B and provides the highest level of protection when smoke detection is unsuitable.

The thermal detector incorporates a single centrally positioned NTC thermistor that continuously samples temperature variations in the protected area.

Via the VPU100 the 20-AS3500-ADV can be configured as a rate of rise class A1R or high-temperature class B thermal detector.

Via the VPU100 the production date of each device can be read.



Features

- EN54-5:2017 +A1:2018 approved
- Central LED providing 360 degree visibility.
- Magnetic test
- Anti-tamper locking feature.
- Unique Decorline finishes available.
- 3-year warranty.
- Part Number 20-AS3500-ADV

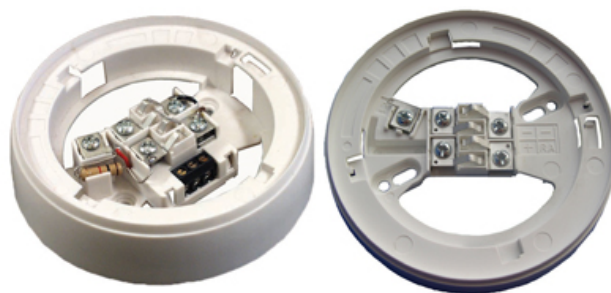
Specification

Operating Voltage	10-30V
Average standby current	60 uA @24Vdc
Maximum allowed alarm current	40mA (externally limited)
Maximum allowed remote device current	20mA (externally limited)
Low-temperature mode alarm threshold (class A1R)	58°C
High-temperature mode alarm threshold (class B)	78°C
Operating Temperature Range	-30°C / +70°C
Humidity (no condensation)	95% RH
Height with base	54 mm
Diameter	110mm

Order Codes and Options

20-AS3500-ADV:	Conventional Class P Thermal Detector
----------------	---------------------------------------

Conventional Detector Bases



Specification

Material	ABS
Base diameter	110mm
Operating Temperature Range	-20°C / +65°C
Humidity (non condensing)	95% RH
ABLR100 relay base output relay contacts	1 Normally Closed 2 Common 3 Normally Open
Terminal connection	Maximum 2.5mm ²

Order Codes and Options

20-ABR100-ADV:	Universal resistor base
20-ABDR100-ADV:	Universal resistor+diode base
20-ABSR100-ADV:	Deep resistor base
20-ABLRD100-ADV:	Deep resistor+diode base
20-ABLR100-ADV:	Resistor relay base

Conventional Zone Module

TheAxis conventional zone monitor allows a zone of conventional detectors to be interfaced to an Axis intelligent loop.

The zone can be powered from the analogue loop or from an external power supply - selection is made by two jumper switches.

The current limitation of the zone circuit is programmable and adjustable by the control panel.

The unit is able to identify all conditions on the conventional zone such as normal, open circuit, short circuit and alarm. In addition it monitors the power supply of the detection line - external or loop.

The unit provides fast and secure signalling and incorporates a bi-directional short circuit isolator.

A single change over relay output is provided which can be switched on by a command from the control panel. This can be used for example, to provide a reset to certain conventional devices.

The communication loop is fully isolated from the zone circuit and external power supply.

The module is designed to be compatible with the majority of well known European conventional detectors.



Features

- Provides high reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Adjustable current limit and reset pulse duration via the control panel
- Digital checking of double address
- Programmable relay output
- Line quality information

Specification

Power Supply	20-40 V
Average Current Consumption	I=120 uA
Standby Current	500uA
Power Up Time	2 sec
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Zone End of line device	Capacitor (Ceol): 4.7uF
Conventional Zone Current Threshold	6 to 20mA (Alarm Threshold 2.5 to 15mA)
Relay Nominal Switching Current	I=2A V=30Vdc
Dimensions H x W x D mm	93 x 130 58
Weight grams	190
Approvals	EN54-17:2005
	EN54-18:2005

Order Codes and Options

20-VMCZ100-ADV:	AV Conventional Zone Module
-----------------	-----------------------------