QuickZone

# 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 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
- One-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 |
| Device Sensitivity | 0.17db/m (3.8%/m) |
| Humidity (no condensing) | 95% RH |
| Height with Base | 54 mm |
| Diameter | 110mm |
| Approvals / Certification | EN54-7 approved (Cert No. 603a/08) |

## Order Codes and Options

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

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

QuickZone

# 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 VPU1000 the 20-AS3500-ADV can be configured as a rate of rise class A1R or high-temperature class B thermal detector and the production date of each device can be read.



## Features

- Central LED providing 360 degree visibility.
- Magnetic test
- Anti-tamper locking feature.
- Unique Decorline finishes available.
- One-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 |

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

QuickZone

# 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 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 A1R approved (Cert No. 603b/02)
- Central LED providing 360-degree visibility
- Magnetic test feature
- Anti-Tamper locking feature
- Robust and reliable
- Unique range of Decorline finishes are available
- One-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 A1R approved (Cert No. 603b/02) |

## Order Codes and Options

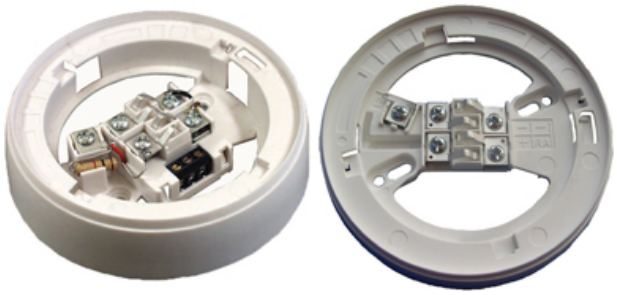
| | |
|---|---|
| 20-AS3500A1R-ADV: | Class A1R Rate Of Rise Heat Detector |

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

QuickZone

# 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<br>2 Common<br>3 Normally Open |
| Terminal connection | Maximum 2.5mm2 |

## 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 |

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.