

Conventional Photoelectric Smoke Detector

The Conventional Photoelectric Smoke Detector is a cost effective and aesthetically pleasing, non-addressable optical smoke detector.

These detectors are designed for open area protection and provide the earliest warning of fire, whilst utilising an advanced symmetrical chamber design.

A patented moulding profile helps to enhance long term stability by removing airborne contamination before it can enter the sensing chamber and offers immunity to ambient light into the detector to ensure reliability and a high level of unwanted alarm rejection.

A centrally positioned LED indicator provides 360° visibility of detector activation and an in-built magnet test feature allows easy activation to verify operation of the detectors.

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



Features

- Double dust trap protects the smoke chamber from contamination
- Central LED providing 360° visibility
- Magnetic test feature
- Anti-Tamper locking feature
- Robust and reliable
- 3 year warranty

Standards and Approvals

- EN54-7:2018
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Operating Voltage	10-30V DC
Stand by Current	60 uA @ 24V DC
Alarm Current	40mA (externally limited)
LED Current Consumption	20mA (externally limited)
Operating Temperature Range	-30°C / +70°C (no condensation)
Humidity (no condensing)	95% RH (no condensation)
Dimensions (with Base)	110 x 54 mm

Order Codes and Options

20-AS1000-ADV:	Photoelectric Smoke Detector
20-ABR100-ADV:	Universal resistor base
20-ABDR100-ADV:	Universal resistor + diode base
20-ABSR100-ADV:	Deep resistor base

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

Conventional Class A1R (ROR) Heat Detector

The S3500/A1R is a cost effective and aesthetically pleasing, non-addressable rate of rise heat detector.

These detectors are designed for open area protection and provide the best warning of fire in locations which are not suitable for smoke detection technologies.

A centrally positioned LED indicator provides 360° visibility of detector activation and an in-built magnet test feature allows easy activation to verify operation of the detectors.

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



Approvals

- EN54-5:2017 +A1:2018
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Central LED providing 360° visibility
- Magnetic test feature
- Anti-Tamper locking feature
- Robust and reliable
- 3 year warranty

Specification

Operating Voltage	10-30V DC
Stand by current	60 uA @ 24V DC
Alarm current	40mA (externally limited)
LED current consumption	20mA (externally limited)
Operating Temperature Range	-30°C / +70°C (no condensation)
Humidity (no condensing)	95% RH (no condensation)
Dimensions (with base)	110 x 54 mm

Order Codes and Options

20-AS3500-ADV A1R:	Class A1R Rate Of Rise Heat Detector
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20-ABR100-ADV:	Universal resistor base
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20-ABDR100-ADV:	Universal resistor + diode base
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20-ABSR100-ADV:	Deep resistor base
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Conventional Class B Heat Detector

The Conventional Class B Heat Detector is a cost effective and aesthetically pleasing, non-addressable fixed temperature heat detector.

These detectors are designed for open area protection and provide the best warning of fire in locations which are not suitable for smoke detection technologies.

A centrally positioned LED indicator provides 360° visibility of detector activation and an in-built magnet test feature allows easy activation to verify operation of the detectors.

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



Approvals

- EN54-5:2017 +A1:2018
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Central LED providing 360° visibility.
- Magnetic test.
- Anti-tamper locking feature.
- Robust and reliable.
- 3 year warranty.

Specification

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

Order Codes and Options

20-AS3500/B-ADV:	Conventional Class B Thermal Detector
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20-ABR100-ADV:	Universal resistor base
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20-ABDR100-ADV:	Universal resistor + diode base
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20-ABSR100-ADV:	Deep resistor base
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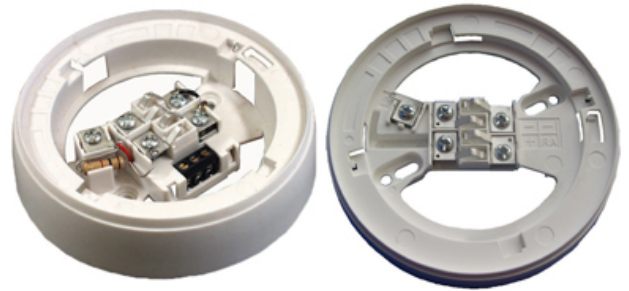
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Conventional Detector Bases

Specification

Material	ABS
Base diameter	110mm
Operating Temperature Range	-20°C / +65°C
Humidity (non condensing)	95% RH
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

Conventional Resettable Manual Call Point

The Resettable Call Point is a unique manual call point that mimics the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element.

The 'ReSet' uses a simple yet ingenious patented mechanism which consists of a rigid plastic operating element and an over centre spring mechanism. This arrangement provides real action on operation and simulates break glass activation.

An activation indicator drops into view at the top of the window after the 'ReSet' has been operated. The unit is then simply reset with a key and is ready for re-use straight away.

Applications

The 'ReSet' call point is compatible with most conventional fire alarm systems. It is safe for use in areas where glass cannot be used, e.g. food processing plants and swimming/leisure centres.

As the unit can be simply reset it provides an ideal solution for areas that suffer from a high number of false activations such as schools, shopping centres and other public places.

Two options are available

- **Series 01** - Conventional Fire Model with 470 & 680 Ohm internal resistors. Available in Red only
- **Series 02** - Single Pole Changeover. Available in Yellow, White, Green, Orange

Approvals

- EN54-11:2001 +A1:2005 (08-RP-RD2-01 only)



Features

- Glass appearance maintains operator deterrence
- Positive activation that mimics the feel of breaking glass
- Visible warning flag confirms activation
- Simple key to reset operating element - no broken glass
- No glass elements to break, loose or incorrectly fit during installation
- Complete functional test with every activation
- Extremely attractive, high value look and feel
- Built to meet requirements of IP2X

Specification

Current Rating	• All Series: 1 Amp 12-24V DC • Series 02: 3 Amps 125 - 250V AC
Built-in Resistor Values (Series 01 only)	470Ω (R1) and 680Ω (R2)
Housing and Mounting Box Material	Polycarbonate
Electrical Contact Material	Silver Plated Brass
Operating Temperature	-20°C to +65°C
Installation Terminal Conductor Size	0.5mm - 2.5mm
Colours	• Red (Series 01) • Yellow, White, Green, Orange (Series 02)
Mounting	Dual mount, for flush- or surface-mount with back box
Dimensions	87 x 87 x 23mm (flush-mount) or 87 x 87 x 58mm (surface-mount)

Order Codes and Options

08-RP-RD2-01	ReSet Manual Call Point - Red (Series 01) with 'House Flame' logo. Dual mount (Surface or Flush)
08-RP-GD2-02	ReSetManual Call Point - Green (Series 02) with 'Running Man' logo. Dual mount (Surface or Flush)
08-RP-YD2-02	ReSetManual Call Point - Yellow (Series 02) with self-assemble label. Dual mount (Surface or Flush)
08-RP-WD2-02	ReSetManual Call Point - White (Series 02) with self-assemble label. Dual mount (Surface or Flush)
08-RP-OD2-02	ReSetManual Call Point - Orange (Series 02) with self-assemble label. Dual mount (Surface or Flush)
08-RP-K/10	Spare ReSet Key (pack of 10) - Black

Self-assemble Label options



Conventional Waterproof Resettable Manual Call Point

The Waterproof Resettable Call Point is a unique manual call point that mimics the feel of breaking glass whilst offering the user the benefits and environmental advantages of a re-settable operating element.

The 'ReSet' uses a simple yet ingenious patented mechanism which consists of a rigid plastic operating element and an over centre spring mechanism. This arrangement provides real action on operation and simulates break glass activation.

An activation indicator drops into view at the top of the window after the 'ReSet' has been operated. The unit is then simply reset with a key and is ready for re-use straight away.

The waterproof ReSet has been designed to deal with today's difficult and harsh environments and is compatible with most conventional fire alarm systems.

It is ideal for all outside applications such as oil rigs, ships, factory's as well as wash down areas that are sensitive to broken glass.



Features

- IP67 Waterproof
- Glass appearance maintains operator deterrence
- Positive activation that mimics the feel of breaking glass
- Visible warning flag confirms activation
- Simple key to reset operating element – no broken glass
- No glass elements to break, lose or incorrectly fit during installation
- Complete functional test with every activation
- Extremely attractive, high value look and feel
- Low profile, heavy-duty terminations – Two built-in resistor values
- Available in Red, Yellow & White

Approvals

- EN54-11:2001 +A1:2005 (08-WRP2-R-01 only)

Specification

Current Rating	All series: 3 Amps 12-24V DC. Series 2: 6 Amps 125-250V AC
Housing and Mounting Box Material	Polycarbonate
Electrical Contact Material	Silver plated brass
Operating Temperature	-20°C to +65°C
Installation Terminal Conductor Size	0.5mm – 2.5mm
Colours	Red, Yellow, White
Mounting	Surface with back box
Dimensions (H x W x D)	90 x 89 x 72 mm

Order Codes and Options

08-WRP2-R-01:	Red
08-WRP2-Y-02:	Yellow
08-WRP2-W-02:	White