

series65

9-33V



Series 65 incorporates well-proven sensing technologies together with advances in materials and electronics. Developed from the highly successful Series 60 range of detectors, Series 65 includes a chip (integrated circuit) based on that used in XP95 analogue addressable detectors.

Having a wide operating voltage of 9-33V, the Series 65 detectors can be integrated into security systems, when used with a relay base. The range consists of ionisation, integrating ionisation and optical smoke detectors, four grades of heat detector and a range of bases. Each type of detector is available in three versions:

- Standard
- Flashing LED
- Flashing LED and magnet operated test switch

Key features of Series 65 include:

- Wide operating voltage of 9-33 VDC
- Wide operating and storage temperature of -20°C to +60°C
- Can be used on security systems
- Electrically and mechanically compatible with Series 60
- Proven detection performance



Find out more about the Series 65 range at www.apollo-fire.co.uk/series65

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Series 65 Optical Smoke Detector



The Series 65 Optical Smoke Detector incorporates a pulsing LED located within the housing of the detector. The external detector moulding is identical to that of the ionisation detector but has an indicator LED which is clear in quiescent state but produces a red light in alarm.

- Responds well to slow-burning, smouldering fires
- Well suited for bedrooms and escape routes
- Unaffected by wind or atmospheric pressure
- Flashing LED and magnet operated test switch option

55000-317

Series 65 Optical Smoke Detector

55000-316

Series 65 Optical Smoke Detector with flashing LED

55000-315

Series 65 Optical Smoke Detector with flashing LED and magnetic test switch

55000-300FRA

Series 65 Optical Smoke Detector (French market)*

* Does not have CPD or VdS approval.

Series 65 Ionisation Smoke Detector



The Series 65 Ionisation Smoke Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chamber and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.

- Responds well to fast burning, flaming fires
- Designed to operate in a variety of environments
- Flashing LED and magnet operated test switch option

55000-217

Series 65 Ionisation Smoke Detector

55000-216

Series 65 Ionisation Smoke Detector with flashing LED

55000-215

Series 65 Ionisation Smoke Detector with flashing LED and magnetic test switch

Series 65 Integrating Ionisation Smoke Detector



Ionisation detectors use a low activity radioactive foil to detect fires by irradiating the air in the smoke chamber and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm. Circuitry in the Integrating Ionisation Smoke Detector protects against transient levels of smoke above the normal threshold for up to 20 seconds.

- Responds well to fast burning, flaming fires
- Designed to operate in environments where transient levels of smoke may be expected
- Wide operating voltage
- Flashing LED and magnet operated test switch option

55000-220

Series 65 Integrating Ionisation Smoke Detector

55000-219

Series 65 Integrating Ionisation Smoke Detector with flashing LED

55000-218

Series 65 Integrating Ionisation Smoke Detector with flashing LED and magnetic test switch

Please check the Apollo website on a regular basis for up-to-date approvals information.

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Series 65 Heat Detector



The Series 65 Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are 12 heat detectors in the Series 65 range designed to suit a wide variety of operating conditions.

- Can be used for applications where smoke detectors are unsuitable
- Ideal environments that are dirty or smoky under normal conditions
- Wide operating voltage
- Flashing LED and magnet operated test switch option

55000-122 ATR standard

55000-121 ATR with flashing LED

55000-120 ATR with flashing LED and magnetic test

55000-127 BR standard

55000-126 BR with flashing LED

55000-125 BR with flashing LED and magnetic test

55000-132 CR standard

55000-131 CR with flashing LED

55000-130 CR with flashing LED and magnetic test

55000-137 CS standard

55000-136 CS with flashing LED

55000-135 CS with flashing LED and magnetic test

Series 65 Standard Base



The Series 65 Standard Base has been designed to enable detectors to be fitted without the need of force – particularly useful when fitting to suspended ceilings. All Series 65 bases have a 'one way only' fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector
- Contains no electrical parts
- Terminal for remote indicator

45681-200 Series 65 Standard Base

29600-095

1.5mm Hexagonal Screwdriver

Series 65 Diode Base



The Series 65 Diode Base is designed for use with conventional systems that have manual call points and detector bases on the same circuit. The base is fitted with a schottky diode on the 'L1 IN' and 'L1 OUT' wiring terminals. This base can only be used with compatible control equipment.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector
- Continues to work during unauthorised removal of detectors

45681-201 Series 65 Diode Base

Series 65 optical smoke detectors and manual call points were installed around Portland Marina in Weymouth, find out more about this case study on page 136.



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Series 65
Sav-Wire
Base

The Series 65 Sav-Wire Base is designed to allow Series 65 detectors to be used in 'Sav-Wire' detection and alarm systems.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

45681-206
Series 65 Sav-Wire Base

Series 65
Standard
Relay Base

The Series 65 Standard Relay Base provides one set of volt-free, changeover (form C) contacts that change state when the detector signals an alarm.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

45681-245
Series 65 Standard Relay Base

Series 65
Auxiliary
Relay Base

The Series 65 Auxiliary Relay Base provides two sets of volt-free changeover contacts to facilitate the switching of a remote LED or other auxiliary device.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

45681-246
Series 65 Auxiliary Relay Base

Series 65
End-of-Line
Relay Base

The Series 65 End-of-Line (EOL) Relay Base is intended for use with four-wire circuits and features two sets of changeover contacts and a power supervision relay.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

45681-247
Series 65 End-of-Line Relay Base (12V)
45681-248
Series 65 End-of-Line Relay Base (24V)

Series 65
12V
Relay Base

The Series 65 12V Relay Base is designed for use in both fire and security systems. For fire systems a jumper on the PCB is fitted to a 'latching' position. For security systems the jumper is moved to another position so that the base is 'non-latching'.

- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector
- Can be used in fire and security systems

45681-508
Series 65 12V Relay Base

MiniDisc
Remote
Indicator

The MiniDisc Remote Indicator is a light-weight, compact red LED indicator for use in fire protection systems.

- Can be used across the entire Apollo range
- Small and discrete
- Anti-tamper screw to protect against unauthorised removal

53832-070
MiniDisc Remote Indicator

Series 65
Sounder
Base

The Series 65 Sounder Base is a high-efficiency conventional alarm sounder incorporating a base for the Series 65 range of detectors. The sounder base can be secured to a conduit box or surface mounted.

- 32 tones as standard
- Provides detection and alarm signal at one point
- Diode option available

45681-512
Series 65 Sounder Base
45681-513
Series 65 Sounder Base with diode

Conventional
Manual
Call Point

The Conventional Manual Call Point is compliant with EN54-11 and is available in both indoor and outdoor variants. Apollo also offers different coloured call points, suitable for alternative applications.

- 'Plug and Play' terminal connections for fast wiring
- Resettable element

55100-001
Conventional Manual Call Point without LED
55100-002
Conventional Manual Call Point without LED yellow (non-standard)*
55100-003
Conventional Waterproof Manual Call Point without LED
55100-004
Conventional Waterproof Call Point without LED yellow (non-standard)*



For our full range of Manual Call Points see page 96.

* Non-standard variants of the Manual Call Point are not EN54-11 compliant and therefore cannot be used to signal fire.

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