

# series 65<sup>®</sup>

9-33V

## WIDE VOLTAGE CONVENTIONAL FIRE DETECTORS



- Wide operating voltage
- Advanced electronic technology
- Flashing LED option
- Magnetic test switch option
- Can be used on security systems
- Proven detection performance
- Designed to meet approvals worldwide
- Range of bases available

# series 65<sup>®</sup>

9-33V

Series 65 incorporates well-proven sensing technologies, together with advances in materials and electronics technology, including an IC 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 Series 65 wide voltage range consists of ionisation, integrating ionisation and optical smoke detectors, 4 grades of heat detector and a range of bases.

Each type of detector is available in three versions:

- a standard version
- a version with an LED which flashes continuously in quiescent mode
- and one with both a flashing LED and a magnet-operated test switch (reed relay).



## Series 65 Ionisation Smoke Detector

The Series 65 Ionisation Smoke Detector uses a low activity radioactive foil to detect fire 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.

### Part numbers:

55000-217 Standard version  
55000-216 Flashing LED  
55000-215 Flashing LED and magnetic test switch



## 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.

### Part Numbers:

55000-317 Standard version  
55000-316 Flashing LED  
55000-315 Flashing LED and magnetic test switch



## 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 air temperature. There are 12 heat detectors in the Series 65 range designed to suit a variety of operating conditions. For a full list of available detectors and part numbers visit [www.apollo-fire.co.uk/series65heat](http://www.apollo-fire.co.uk/series65heat)

### Part Numbers:

55000-122 - A1R standard  
55000-127 - BR standard  
55000-132 - CR standard  
55000-137 - CS standard



## 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.

### Part Numbers:

55000-220 Standard version  
55000-219 Flashing LED  
55000-218 Flashing LED and magnetic test switch

## Series 65 Bases

The bases have been designed to enable detectors to be plugged in without any need for force - particularly useful when fitting to suspended ceilings. All Series 65 bases are lockable.

Series 65 relay bases are primarily intended for use with control units using 4-wire detector supply and alarm initiating circuits. Where local codes allow, they may also be used in 2 and 4-wire circuits to provide volt-free control signals to an auxiliary system such as an automatic door closer. They are not suitable for use in systems where it is specified or required that operation of the auxiliary system shall be fail-safe and must not be used with any other type of detector.

There are a range of bases available in the Series 65 range for more information visit [www.apollo-fire.co.uk/series65](http://www.apollo-fire.co.uk/series65)

Series 65 has been tested and approved to the following standards:

EN54-7 - optical and ionisation smoke detectors  
EN54-5 - heat detectors



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