DP652

Apollo Series 65 optical smoke detector (55000-317)

General

The 650 Series conventional detectors are designed for the highest effectiveness utilising the latest technology. A wide operating voltage (9 to 33 VDC) allows them to be used on any security system.

Optical smoke detectors

These detectors use a pulsing LED and photo diode in an dark optical chamber. In the event of smoke from a fire entering the chamber, the light from the LED is scattered and registered by the photo diode.

Standard base

The base enables detectors to be plugged in without any need for force - particularly useful when fitting to suspended ceilings. The base has a "one way only" fit and are lockable. They contain no electronic parts that could be damaged during installation. The detectors are polarity insensitive and bases are easy to wire with an earth connector.



Details

- Advanced electronic technology
- Flashing LED option on selected units
- Polarity insensitive
- Common base
- Elegant slim-line design
- Proven detection performance
- May be used on security systems
- Wide range of bases available

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Technical specifications

General

Status indication	Clear LED, red in alarm
Compatibility	Conventional fire systems
Connectivity	2-wire zone

Electrical

Power supply type	Zone powered
Operating voltage	9 to 33 VDC
Current consumption	30 to 50µA at 24 VDC (quiescent) 18 mA at 10 VDC (alarm) 52 mA at 24 VDC (alarm) 61 mA at 28 VDC (alarm)

Detection

Detection principle	Optical light scatter
Zone length	< 2 km
Air velocity	Unaffected

Output

Output quantity	1
Output type and rating	Remote indicator
Remote alarm output	17 mA

Physical

Physical dimensions	100 x 42 mm (Ø x H)
Net weight	99 g
Colour	White
Mounting type	Base mount

Environmental

Vandal proof	No
Operating temperature	-20 to +60°C (no condensation or icing)
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP43

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54:7

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