

# DATA SHEET

## OPTICAL SMOKE DETECTOR

**PRODUCT CODE(S):** 29003 (Detector)  
29036 (Standard Base)  
34030 (Relay Base)

**UNICLASS:** L4231

**EPIC:** D25

**CI/SfB**

**VERSION:** Issue E – March 2017



# OPTICAL SMOKE DETECTOR

## PRODUCT DESCRIPTION

Coopers Fire supply the Apollo Series 65 Optical Smoke Detector (55000-317). The Series 65 Optical Smoke Detector has a moulded self-extinguishing white polycarbonate case with wind resistant smoke inlets.

The chamber houses an infrared light emitting diode (LED) and a photo-diode which has an integral visible-light filter as extra protection against ambient light.

If light is scattered onto the photo-diode due to the presence of smoke – the detector signals an alarm state by switching the alarm latch on.

Because this is a latching device, a 'Detector Reset Switch' is required with each individual / multiple detector installation that use the Relay base.

Coopers supply all Smoke Detectors with either the standard base, which is used on MK4 and MK5 control panels or the Relay Base, which is used on System 6 PSU's and MK4-S.

## SPECIFICATION

**Input:**  
+ / - 24V DC from PSU

**Output:**  
24V DC Alarm signal to PSU

**Material:**  
Polycarbonate rated V-0 in accordance with UL 94.

**Colour:**  
White

**Dimensions (mm):**  
Detector:  
100mm (dia) x 42mm (h)

Detector in Base:  
100mm (dia) x 50mm (h)

**Weight:**  
190g

**IP Rating:**  
23D in accordance with BS EN 60529

**Temperature Range:**  
-20°C to 60°C (no condensation or icing)

**Location:**  
Internal

**Approvals:**  
CE Marked  
Tested and approved to EN54-7:2000



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