ActiV Optical Smoke Detector

Part No. C4416

Overview

- A high-quality optical smoke detector offering outstanding detection performance at a very competitive price.
- Manufactured by C-TEC in the UK.
- Third-party certified to EN54-7 by Intertek.
- Wide 6-33V DC operating voltage.
- Two 8mm x 2mm ultra-bright red LED indicating strips offering 360º visibility.
- Drift compensation functionality ensures detector sensitivity is automatically calibrated to suit prevailing conditions and/or increased contamination levels allowing a greater than 8 year life-span.
- Compatible with our ActiV C4408D diode, C4408 non-diode and C4408R relay bases.

Technical Specifications

Approvals/certifications	Certified to EN54-7 by Intertek.
Application temperature	n/a
Static response temperature	n/a
Sensitivity	Nominal alarm threshold of 0.16db/m obscuration measured in accordance with EN54-7:2000.
Supply wiring	2-wire monitored, polarity sensitive.
Supply/operating voltage	9 to 33V DC.
Quiescent current	30µA @ 24 VDC.
Alarm voltage	6-33V DC.
Alarm current	19mA @ 12-33V DC; 11mA @ 9V DC; 2.5mA@ 6V DC.
Alarm reset voltage	Less than 1V DC (+0.5 seconds alarm reset time)

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Expansion connections	Remote LED output available via ActiV base. Current source to the negative line, short-circuit protected. Max voltage 2.7V DC
Product dimensions (mm)	102.2mm diameter x 37mm deep (detector in base); 102.2mm diameter x 57.5mm deep.
Construction & finish	White polycarbonate casing rated to UL94 V-2 with nylon parts.
IP Rating	IP42.
Weight	99g.

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