C4416

ActiV Optical Smoke Detector

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 360° 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 (0359-CPR-00183).

Challenge Way, Martland Park
Wigan
T: 01942 322744 E: sales@c-tec.co.uk W: https://www.c-tec.com

Application/operation	Uses an IR light source & photodiode to detect smoke. Typically used in escape routes, living areas, bedrooms & other enclosed spaces. Particularly effective at detecting slow burning fires caused by overheated electrical wiring or smouldering materials.
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).
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.

Challenge Way, Martland Park
Wigan
T: 01942 322744 E: sales@c-tec.co.uk W: https://www.c-tec.com