

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 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

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| Approvals/certifications | Certified to EN54-7 by Intertek (0359-CPR-00183). |
| 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). |



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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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