



## 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

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<b>Approvals/certifications</b>	Certified to EN54-7 by Intertek (0359-CPR-00183).
<b>Application/operation</b>	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.
<b>Application temperature</b>	n/a.
<b>Static response temperature</b>	n/a.
<b>Sensitivity</b>	Nominal alarm threshold of 0.16db/m obscuration measured in accordance with EN54-7:2000.
<b>Supply wiring</b>	2-wire monitored, polarity sensitive.
<b>Supply/operating voltage</b>	9 to 33V DC.
<b>Quiescent current</b>	30 $\mu$ A @ 24 VDC.
<b>Alarm voltage</b>	6-33V DC.
<b>Alarm current</b>	19mA @ 12-33V DC; 11mA @ 9V DC; 2.5mA @ 6V DC.
<b>Alarm reset voltage</b>	Less than 1V DC (+0.5 seconds alarm reset time).
<b>Expansion connections</b>	Remote LED output available via ActiV base. Current source to the negative line, short-circuit protected. Max voltage 2.7V DC.
<b>Product dimensions (mm)</b>	102.2mm diameter x 37mm deep (detector in base); 102.2mm diameter x 57.5mm deep.
<b>Construction &amp; finish</b>	White polycarbonate casing rated to UL94 V-2 with nylon parts.
<b>IP Rating</b>	IP42.
<b>Weight</b>	99g.

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