ActiV Multi-Sensor Fire Detector

Part No. C4414

Overview

A high-quality multi-sensor fire detector offering outstanding detection performance at a very competitive price.

Manufactured by C-TEC in the UK.

Third-party certified to EN54-5 and 7 by Intertek (also tested to pr-EN54-29)

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.

Incorporates a heat and smoke sensor making it deal for detecting a wide range of fires whilst also reducing false alarms.

Compatible with our ActiV C4408D diode, C4408 non-diode and C4408R relay bases.

Technical Specifications

Approvals/certifications	Certified to EN54-5 & 7 by Intertek (0359-CPR-00183).
Application/operation	As well as operating independently, the C4414's smoke & heat sensors combine to produce a sensitive response to freely burning fires, e.g. when a rise in heat is detected, its smoke response level reduces for improved detection and reduced false alarms.
Application temperature	25˚C typical, 50˚C max.
Static response temperature	54˚C min, 65˚C max.
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	6 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

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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.

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