



# Get **ActiV**

C-TEC's own range of Conventional  
Smoke & Heat Detectors is here

- ▶ Third-party certified to the relevant parts of EN54-5 and 7
- ▶ Manufactured in the UK by C-TEC
- ▶ Suitable for use with virtually all known conventional fire panels
- ▶ Simple 'click and twist' design and easy-fit base
- ▶ Integrated detector-base locking mechanism
- ▶ Optical, fixed heat, rate-of-rise & multi-sensor variants
- ▶ Excellent discounts for quantity orders
- ▶ See inside for details



***You're safe with C-TEC***



Intertek



0359-CPD-0183



# Conventional Smoke & Heat Detectors



**C4416**

**ActiV Optical  
Smoke Detector**

Type: Optical

Certified to: EN54-7

**Application / Operation:**  
Uses an infrared light source and photodiode to detect smoke. Typically used in escape routes, living areas, bedrooms and other enclosed spaces.

Particularly effective at detecting slow burning fires such as those caused by overheated electrical wiring or smouldering materials.



**C4403A2**

**ActiV Standard (60°C) Fixed  
Temperature Heat Detector**

Class/Type: A2 (Static)

Certified to: EN54-5

**Application temperature:**  
25°C typical, 50°C max.

**Static response temperature:**  
54°C min. 65°C max.

**Application / Operation:**  
Generates an alarm condition when it detects a temperature of between 54°C & 65°C.



**C4403B**

**ActiV High (75°C) Fixed  
Temperature Heat Detector**

Class/Type: B (Static)

Certified to: EN54-5

**Application temperature:**  
40° typical, 65° max.

**Static response temperature:**  
69° min. 85° max.

**Application/operation:**  
Generates an alarm condition when it detects a temperature of between 69°C & 85°C.



**C4403A1R**  
**ActiV Rate-of-Rise  
Heat Detector**

Class/Type:  
A1R (Rate-of-Rise/Static)

Certified to EN54-5

Application temperature:  
25° typical, 50° max.

Static response temperature:  
54° min. 65° max.

Application/operation:  
Generates an alarm condition  
when it detects a sudden rise in  
temperature or if it detects a  
static temperature of between  
54°C & 65°C.



**C4414**  
**Multi-Sensor Fire Detector**

Class/Type: Multi-Sensor

Certified to: EN54-5/7  
(also tested to prEN54-29)

Application/operation:  
Incorporates a smoke and a heat  
sensor which, as well as operating  
independently, combine to produce a  
sensitive response to freely burning  
fires. For example, when a rise in heat  
is detected, the level at which the  
detector responds to smoke is  
reduced. This smoke + heat analysis  
makes it ideal for detecting a wide  
range of fires in HMOs, etc, whilst also  
reducing false alarms. Max.static  
response of heat element is 65°C.



**C4408D / C4408 / C4408R**  
**ActiV Detector Bases**

Compatible with:  
All ActiV smoke & heat detectors

Versions:  
C4408D Diode Base  
C4408 Non-Diode Base  
C4408R Relay Base

Integrated head-base locking  
mechanism, removal tool & ID tag

Connections for an optional  
BF318 Remote LED indicator

Can be ceiling mounted in any  
orientation due to the true 360°  
viewing angle of the LED indicator  
strips on all ActiV detectors.

# Key ActiV features

- ▶ Third-party certified to the relevant parts of EN54-5 and 7
- ▶ Optical, fixed heat, rate-of-rise and multi-sensor variants
- ▶ Wide 9-33V DC operating voltage
- ▶ Manufactured in the UK at C-TEC's Intertek, LPCB, VdS and BSI inspected headquarters in the north west of England
- ▶ Two 8mm x 2mm ultra-bright red LED indicating strips offer unrivalled 360° visibility when illuminated
- ▶ Stylishly manufactured from white polycarbonate
- ▶ IP42 rated
- ▶ Suitable for use with virtually all known conventional fire alarm panels and many 12V security systems
- ▶ Sophisticated onboard detection algorithms help reduce false alarms by rejecting momentary abnormal readings
- ▶ Low current draw - just 30µA quiescent at 24V
- ▶ 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 (optical & multi-sensor variants only)
- ▶ All detectors compatible with our ActiV C4408D diode base, C4408 non-diode base or C4408R relay base
- ▶ Integrated detector/base locking mechanism and ID tag included with all bases
- ▶ Remote LED connection provided to assist with the identification of hidden or out of sight detectors
- ▶ Bases can accept fire rated cable of up to 2.5mm in diameter
- ▶ Excellent discounts for quantity orders
- ▶ Look out for our 'CAST' addressable detectors launching soon!

Watch our ActiV detector installation video today!



**CONTACT YOUR SUPPLIER FOR DETAILS**

E&OE. Approved Document No. DML0530900 Rev 4. All detectors are shown mounted on a C4408D detector base. C-TEC reserves the right to alter product specifications at its discretion and without prior notice. Our ActiV approval certificates can be viewed at [www.c-tec.co.uk](http://www.c-tec.co.uk)



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