

## CAST-PRO Black Smoke + Heat Multisensor c/w Tone Sounder & C-3-9.4 White VAD

Part No. **CP414BTV**



### Overview

- Multiple functionality in a single device - smoke & heat multisensor fire detection plus a 92db(A) tone Alarm sounder and a C-3-9.4 VAD in a black housing - detects real fires quickly, reduces false alarms effectively and indicates true alarm conditions decisively.
- Certified to EN54-3, 5, 7, 17, 23 & 29.
- Compatible with C-TEC's ZFP touchscreen-controlled CAST protocol addressable fire panel.
- MASC™ (Miniature Advanced Smoke Detection Chamber) and AFFIRM™ algorithms provide incredible tolerance to false alarms whilst enhancing the detection of real fire conditions.
- Drift compensation functionality.
- Onboard short circuit loop isolator.
- Includes two 8mm x 2mm ultra-bright red LED indicating strips.
- Multiple detection modes and different sensitivities for different times of the day.
- 13.2mA max. alarm current (max vol, VAD on).
- 590uA typical quiescent current @ 40V DC.
- Compatible with C-TEC's CA408 CAST base c/w integrated locking mechanism & ID tag.



### More Information

### Technical Specifications

Approvals/certifications  
Compatibility

CPR number 0063-CPR-242190011, KIWA certified to EN54-3, 5, 7, 17, 23 & 29.  
Compatible with C-TEC's ZFP CAST Addressable Fire Alarm Systems



Type	Heat & Smoke Fire Detection plus Tone Alarm & White VAD
Sensitivity	8 Detection Modes (default for this device is Mode 7).
Supply wiring	2-wire, polarity sensitive.
Supply/operating voltage	28 to 40V DC.
Quiescent current	590uA @ 40V.
Alarm current (Imax at Vmin)	13.2mA (max volume, VAD lit).
Alarm current (Iavg at Vmin)	10.8mA (max volume, VAD lit).
Sound pressure level (LAFmax) at Vmax at 1m	92dB(A).
VAD category & coverage	C-3-9.4 (10m2/mA efficiency; 0.5Hz Synchronised).
Indicators	2 LED indicator strips emitting red light when in alarm offering 360° visibility. Optional remote LED.
Connections	Via CA408 base: 1 +Ve IN (analogue switch); 2 +Ve OUT (analogue switch); 3 Remote LED +Ve; 4 0V; 5 0V; 6 Screen; 7 Screen.
Product dimensions (mm)	105mm diameter x 51mm deep (detector only); 105mm diameter x 68mm deep (detector in base).
IP Rating	IP21C
Weight	130g (not in base); 185g (in base).
Operating conditions/temperature	-10°C to +50°C. Max relative humidity: 95% (non-condensing)
Notes	Requires a CA408 CAST base. CA408R relay base also available.



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