

## CAST-PRO Smoke + Heat Multisensor c/w Voice Sounder

Part No. **CP414V**



### Overview

- Multiple functionality in a single device - smoke & heat multisensor fire detection plus an 86db(A) voice sounder - detects real fires quickly, reduces false alarms effectively and indicates true alarm conditions decisively.
- Certified to EN54-3, 5, 7, 17, & 29.
- Compatible with C-TEC's ZFP and XFP CAST protocol addressable fire panels.
- 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.
- Six selectable voice messages with tones (2 evacuate, 1 alert, 1 all clear & 2 system test messages).
- 17.1mA 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  
Type

CPR number 0063-CPR-242190019, KIWA certified to EN54-3, 5, 7, 17 & 29  
Compatible with C-TEC's XFP/ZFP CAST Protocol Addressable Fire Panels.  
Heat & Smoke Fire Detection plus Voice Sounder.



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)	17.1mA (max volume).
Alarm current (Iavg at Vmin)	9.1mA (max volume).
Sound pressure level (LAFmax) at Vmax at 1m	86dB(A).
VAD category & coverage	N/A.
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 48mm deep (detector only); 105mm diameter x 65mm deep (detector in base).
IP Rating	IP21C
Weight	122g (not in base); 176g (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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