

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

Part No. CP414T



## Overview

- Multiple functionality in a single device - smoke & heat multisensor fire detection plus a 92db(A) tone Alarm 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 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.
- 5.4mA max. alarm current (max volume).
- 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 ZFP CAST Addressable Fire Alarm Systems  
Heat & Smoke Fire Detection plus Tone Alarm.



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)	5.4mA (max volume).
Alarm current (Iavg at Vmin)	5.0mA (max volume).
Sound pressure level (LAFmax) at Vmax at 1m	92dB(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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