

## 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 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.
- 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 ZFP CAST Addressable Fire Alarm Systems  
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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