

# CAST-PRO CO Fire + Smoke + Heat Multisensor c/w Tone Sounder & O-C-1.9-4 Red VAD

Part No. **CP411TVR**



## Overview

- Multiple functionality in a single device - CO fire, smoke & heat multisensor fire detection plus a 92db(A) tone Alarm sounder and an O-C-1.9-4 red VAD - detects real fires quickly, reduces false alarms effectively and indicates true alarm conditions decisively.
- Certified to EN54-3, 5, 7, 17, 23, 29 & 31.
- 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).
- 630uA typical quiescent current @ 22-40V 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-212190016, KIWA certified to EN54-3, 5, 7, 17, 23, 29 & 31.  
Compatible with C-TEC's ZFP CAST Addressable Fire Alarm Systems



|   |  |
|---|--|
| Type  | CO, Heat & Smoke Fire Detection plus Tone Alarm & White VAD  |
| Sensitivity                                 | 12 Detection Modes (default for this device is Mode 10).   |
| Supply wiring                               | 2-wire, polarity sensitive.  |
| Supply/operating voltage                    | 28 to 40V DC.  |
| Quiescent current                           | 630uA @ 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                     | O-C-1.9-4 (2m2/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                                      | 133g (not in base); 188g (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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