

CAST-PRO Smoke + Heat Multisensor c/w Voice Sounder & O-C-1.9-4 Red VAD

Part No. **CP414VVR**



Overview

- Multiple functionality in a single device - smoke & heat multisensor fire detection plus an 86db(A) voice 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.
- 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).
- 24.9mA 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

CPR number 0063-CPR-242190011, KIWA certified to EN54-3, 5, 7, 17, 23 & 29.



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| Compatibility | Compatible with C-TEC's XFP/ZFP CAST Protocol Addressable Fire Panels. |
| Type | Heat & Smoke Fire Detection plus Voice Sounder & 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) | 24.9mA (max volume, VAD lit). |
| Alarm current (Iavg at Vmin) | 14.6mA (max volume, VAD lit). |
| Sound pressure level (LAFmax) at Vmax at 1m | 86dB(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 | 131g (not in base); 186g (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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