CAST-PRO Smoke + Heat Multisensor
Part No. CP414

Overview

- A programmable CAST-PRO smoke & heat multisensor fire detector designed to detect real fires quickly and reduce false alarms effectively.
- Certified to EN54-5, 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.
- <1mA alarm current.
- 570uA 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-242190021., KIWA certified to EN54-5, 7, 17 & 29.
Compatibility	Compatible with C-TEC's ZFP CAST Addressable Fire Alarm Systems
Type	Multisensor (heat & smoke) detection.

Sensitivity	8 Detection Modes (default for this device is Mode 7).
Supply wiring	2-wire, polarity sensitive.
Supply/operating voltage	22 to 40V DC.
Quiescent current	570uA @ 40V.
Alarm current (Imax at Vmin)	<1mA.
Alarm current (Iavg at Vmin)	<1mA.
Sound pressure level (LAFmax) at Vmax at 1m	N/A.
VAD category & coverage	N/A.
Indicators	2 LED indicator strips emitting red light when in alarm offering 360º 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	119g (not in base); 173g (in base).
Operating conditions/temperature	-10ºC to +50ºC. Max relative humidity: 95% (non-condensing)
Notes	Requires a CA408 CAST base. CA408R relay base also available.