

## CAST-PRO Heat Detector

Part No. **CP402**



### Overview

- A programmable CAST-PRO heat detector.
- Certified to EN54-5, 13 & 17 by Kiwa Telefication.
- Compatible with C-TEC's ZFP and XFP CAST protocol addressable fire panels.
- Onboard short circuit loop isolator.
- Includes two 8mm x 2mm ultra-bright red LED indicating strips.
- Three operation modes - can be programmed to operate as an A1R, A2 or B heat detector.
- <1mA alarm current.
- 570A typical quiescent current @ 40V DC.
- Compatible with C-TEC's CA408 CAST base c/w integrated locking mechanism & ID tag.



### More Information

'CAST' is the world's most-advanced 'distributed intelligence' fire alarm system protocol. Conceived, designed and realised by C-TEC, it involved the creation of a powerful proprietary communication protocol (C-TEC Addressable System Technology, CAST) and multiple control panels & field devices. Its key features include:-

- 255 devices per loop.
- Autonomous decision-making for faster response times.
- Multiple type codes.
- 40V loop drive voltage.
- Two 'soft' addressing options – automatic via the panel or manual via a powerful handheld programmer.
- Powerful multi-level addressing facilitates easy device addition and swapped device identification.
- Multiple functionality at a single address (integrated devices) via our CAST-PRO devices.
- Volumes, tones & detector modes can be changed at compatible panels.
- High-speed data transmission and robust data transfer.
- Intrinsically EN54-13 compliant.
- Geographical location of short and open circuit faults (a short circuit isolator is included as standard in every CAST field device).
- Replace device function.
- Future seamless integration with other CAST life safety systems reducing energy, servicing, installation and repair costs.
- Designed and manufactured in the UK.



## Technical Specifications

|                                             |                                                                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Approvals/certifications                    | Certified to EN54-13 by Kiwa Telefication, CPR number 0063-CPR-242190023, Kiwa Telefication certified to EN54-5 & 17       |
| Compatibility                               | Compatible with C-TEC's XFP/ZFP CAST Protocol Addressable Fire Panels.                                                     |
| Type                                        | Class A1R, Class A2 or Class B Heat (Programmable).                                                                        |
| Sensitivity                                 | 3 Detection Modes (class A1R, A2 or B heat, default is Class A2).                                                          |
| 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 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                                      | 118g (not in base); 172g (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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