

CAST Mini I/O Unit

Part No. **CA734**



Overview

LPCB certified to EN54-17 & 18 and Kiwa Telefication certified to EN54-13.

Includes a switch monitor, signal relay and onboard loop isolator.

7mA typical alarm current (1mA typical quiescent current) @ 22-40V DC.

Four plastic tabs for surface or panel mounting.

Includes a 1A 30V DC volt-free changeover relay. Can also switch 0.3A @125V AC.

Offers Switch +Ve, -Ve, LED +V, -Ve and changeover relay connections

Future header pin offers expansion opportunities for peripheral I/O devices.

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More Information

CAST is the world's most-advanced 'distributed intelligence' fire alarm system protocol. Conceived, designed and realised by C-TEC as part of a five-year, multi-million pound project, it involved the creation of a powerful proprietary communication protocol (C-TEC Addressable System Technology, CAST) and multiple control panels & field devices. Now available to purchase, 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) - coming soon.

Volumes, tones & detector modes can be changed at compatible panels.

High-speed data transmission and robust data transfer.

Intrinsically EN54-13 compliant.



Provides 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

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| Approvals/certifications | LPCB certified to EN54-17 & 18 and Kiwa Telefication certified to EN54-13 |
| Compatibility | Compatible with C-TEC's XFP/ZFP CAST Addressable Fire Panels. |
| Supply/operating voltage | 22 to 40V DC. |
| Quiescent current | 1mA typical. |
| Activation current | 7mA @ 22 to 40V DC.. |
| Auxiliary relays | One volt-free single pole changeover relay rated at 1A @ 30V DC (or 0.3A @ 125V AC). Non-monitored. Clean contact. |
| Auxiliary inputs | One monitored input that can be set to operate as: (1) a single zone monitor to support up to 20 ActiV detectors and 10 MCPs or (2) a monitored normally-open switch, triggered by a 470R. |
| Indicators | Single Red (Relay Active & Polling); Single Yellow (Monitored Input Fault). |
| Product dimensions (mm) | 65 W x 65H x 20 D mm (excluding terminal block & ribbon cable). Ribbon cable is 150 mm length. |
| Construction & finish | Clear ABS polycarbonate enclosure. |
| IP Rating | IP40. |
| Weight | 47g. |
| Operating conditions/temperature | -10°C to +55°C. |



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