

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.



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. |



T 01942 322744 E sales@c-tec.co.uk
F 01942 829867 W www.c-tec.com



C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD United Kingdom