

CAST Mini I/O Unit

Part No. **CA734**



Overview

- LPCB certified to EN54-17 & 18 and Kiwa Telefication & DBI certified to EN54-13.
- Also certified to the relevant parts of EN54 with Swedish certification body SBSC.
- 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, 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 by SBSC to the relevant parts of EN54, DBI certified to EN54-13, 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.