

CAST Mini I/O Unit

Part No. **CA734**



Overview

Certified to EN54-17 & 18 by the LPCB.

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

Can be used as an interface to third-party MCPs by offering a monitored input and LED output.

7mA Alarm Current.

Four plastic tabs for surface or panel mounting.

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

7 way ribbon connector offers Switch +Ve and -Ve, LED +Ve and -Ve and relay (NC/C/NO) connections

Future header pin offers expansion opportunities for peripheral I/O devices (such as Hush2)

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) - due 2019.

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

Approvals/certifications	Certified to EN54-17/18 by the LPCB.
Compatibility	Compatible with C-TEC's XFP/ZFP CAST Addressable Fire Panels.
Supply/operating voltage	27 to 40V DC.
Quiescent current	11mA.
Activation current	7mA.
Auxiliary relays	One volt-free single pole changeover relay rated at 1A @ 30 VDC (or 0.3A @ 125 VAC). 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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