CAST Mini I/O Unit

Part No. CA734



Overview

- A miniature input output unit with a 1A 30V DC volt free changeover relay that can be used to trigger rollershutters, door locking mechanisms, gas shut-off valves, smoke vents and more.
- LPCB certified to EN54-17 & 18 and Kiwa Telefication & DBI certified to EN54-13.
- EN54-13 & NTN 179L: 2021 certified by Belgian certification body BOSEC.
- 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.
- Changeover relay can also switch 0.3A @125V AC.
- 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

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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 EN54-17 & 18 by LPCB and certified to EN54-13 by Kiwa Telefication, Certified to EN54-13 & NTN 179-L:2021 by BOSEC, Certified to EN54-13 by DBI, Certified to the relevant parts of EN54 by SBSC
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	-10ºC to +55ºC.