

CAST Zone Monitor Module

Part No. **CA732**



Overview

Certified to EN54-17 & 18 by the LPCB.

A single-zone addressable Zone Monitor capable of supporting up to 20 conventional fire detectors and 10 MCPs

Mountable on a standard UK 25mm double gang back box.

Onboard short-circuit loop isolator.

7mA Alarm Current.

Indicators for Loop polling, input faults and relay status.

Alternatively, can be used as general purpose input monitor.

Mountable on a C-TEC NCP-26 surface box or a standard UK 25mm double gang back box (not supplied).

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.
Application/operation	A single-zone addressable Zone Monitor capable of supporting up to 20 conventional detectors and 10 manual call points. Can alternatively be used as a single switch monitor.
Supply/operating voltage	27 to 40V DC.
Quiescent current	200uA.
Activation current	7mA.
Auxiliary relays	None.
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	Active (Lit Red): relay activated; monitored zone triggered or monitored switch closed; Polling (Flashing Red): communication check with the panel; Input Fault (Lit Yellow): fault detected on the monitored zone/switch.
Connections	Six 45° screw-type connectors that can take 0.5-2.5mm ² cable: +Ve & -Ve Loop In; +Ve & -Ve Loop Out; Zone +Ve & -Ve.
Product dimensions (mm)	147 W x 87H x 22 D mm. Can be mounted on a standard 25mm UK flush or surface double gang back box.
Construction & finish	ABS Polycarbonate plate with a 200 micron two-tone grey velvet polyester label with red and white detailing.
IP Rating	IP40 when correctly installed.
Weight	122g.
Operating conditions/temperature	-10°C to +55°C.



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