

CAST Mains Switching Input Output Module

Part No. **CA731**



Overview

Certified to EN54-17 & 18 by the LPCB.

A mains-switching version of our CA730 input output module.

Capable of switching 5A @ 230 VAC or 5A 30 VDC.

Incorporates the functions of a switch monitor, zone monitor, simple switch interface and output unit.

Can be configured to monitor any combination of the following:-

Up to 20 conventional detectors and 10 MCPs.

Any normally open switch with an EOL resistor fitted.

A simple normally open or closed switch (non-fault monitored).

Onboard short-circuit loop isolator.

6mA Alarm Current.

Indicators for Loop polling, input faults and relay status.

Includes volt free changeover contacts that can be used to trigger rollershutter doors, gas shut-off valves, smoke vents, etc.

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	Incorporates the functions of a switch monitor, zone monitor, simple switch interface and mains-switching output unit in one device.
Supply/operating voltage	27 to 40V DC.
Quiescent current	1.7mA.
Activation current	6mA.
Auxiliary relays	One volt-free single pole changeover relay rated at 5A @ 230 VAC or 5A @ 30 VDC. 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	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. Also includes N/O, N/C & C relay connections.
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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