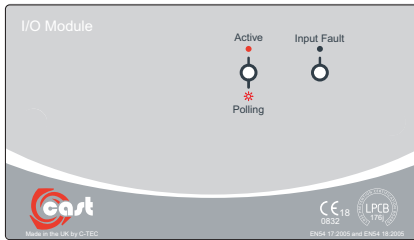


CA732 ADDRESSABLE ZONE MONITOR MODULE

INSTALLATION INSTRUCTIONS



Product Description

The CAST CA732 addressable Zone Monitor module is compatible with C-TEC's CAST ZFP/XFP panels and other 'CAST' compatible fire panels. The module has the following features:

- Fully compliant with EN54-17 and EN54-18.
- Programmed and addressed via the fire panel or CAPROG programmer.
- On-board, bi-directional, short-circuit loop isolator (SC-Isolator).
- Double-gang back box mounting.
- A single zone monitor to support up to 20 ActiV detectors and ten MCPs. Alternatively, can be used a single switch monitor.

Operation

When a fire alarm is triggered on the monitored zone, the Zone Monitor module sends a signal to the fire panel.

The Zone Monitor module monitors the following inputs: open circuit fault, short circuit fault, fire, normal and detector head out (if detector base has a diode fitted).

Installation



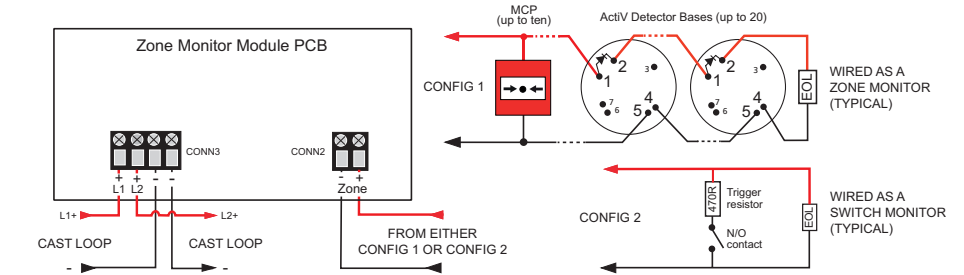
CAUTION: Components, such as capacitors, are exposed on the PCB. Take extreme care not to damage or dislodge any components when handling or wiring to the unit.

Ensure the Zone Monitor modules are installed in accordance with applicable local and/or national regulations.

The Zone Monitor module is designed for indoor use only and may be flush or surface mounted in a place where the status of the LED indicators are clearly visible.

Two mounting holes are provided on the Zone Monitor module for fixing to a standard UK double-gang back box with minimum 35 mm depth.
DO NOT OVERTIGHTEN THE FIXING SCREWS.

Connections



Terminal (CONN3)	Function
L1 +	+Ve
L2 +	+Ve
-	-Ve
-	-Ve

- All wiring must conform to local and/or national regulations.
- Correct polarity must be observed.
- CA732 terminals can accept 0.25 mm² to 2.5 mm² wiring.
- 470R trigger resistor (supplied) and EOL capacitor (supplied). Ensure EOL capacitor is fitted across the terminals of the last device on the conventional zone.

Technical Specification

Description:	CA732 Addressable Zone Monitor Module
Certified Standards:	EN 54-18: 2005 (Input Output Devices); EN 54-17: 2005 (Short-circuit isolator)
LPCB Certificate Number:	176j *
LPCB Reference Number:	176j/04 *
CPR Certificate Number:	2831-CPR-F1384 *
UKCA Certificate Number:	0832-UKCA-CPR-F0794 *
Declaration of Performance (DoP):	DoP0000048 *
Communication Protocol:	CAST (C-TEC)
Operating Voltage:	22-40 Vdc (loop powered)
Quiescent Current (Typical):	1.1 mA
Active Current (Typical):	< 4.0 mA
Input (CONN2):	Single monitored input with 2 modes of operation: either, a single zone monitor, to support up to 20 ActiV detectors and ten MCPs with EOL or, a monitored normally-open switch, triggered by a 470R with EOL.
LED Indicators:	Active (Steady Red) - either monitored zone triggered, or monitored switch closed. Polling (Flashing Red) - communication check with the fire panel. Input Fault (Steady Yellow) - a fault detected on the monitored zone/switch.
Dimensions (W x H x D):	147 x 87 x 22 mm (without a back box)
Weight:	122 g (without a back box)
IP Rating (EN 60529):	IP40 when correctly installed (NOT APPROVED)
Body Material:	PVC
Operating Temperature:	-10°C to +55°C
Humidity:	Max. 95% RH (non-condensing)

* Certificates and DoPs available for download on C-TEC's website

EN 54-17 SC-Isolator Specification (Controllable Isolator)

Maximum Loop Voltage (V max):	40 Vdc
Nominal Loop Voltage (V nom):	40 Vdc
Minimum Loop Voltage (V min):	22 Vdc
Maximum Current Device Isolates, switches from closed to open (I _{so} max):	55 mA
Minimum Current Device Isolates, switches from closed to open (I _{so} min):	15 mA
Maximum Rated Continuous Current with switch closed (I _c max):	1 A
Maximum Rated Switching Current under short circuit conditions (I _s max):	1.6 A
Maximum Leakage Current with switch open (I _L max):	20 µA
Maximum Series Impedance with switch closed (Z _c max)	100 mohms



Manufacturer: Computationics Limited (C-TEC), Challenge Way, Martland Park, Wigan, Lancashire WN5 0LD. www.c-tec.com
E&OE. No responsibility can be accepted by the manufacturer or distributors of these devices for any misinterpretation of this instruction, or for the compliance of the system as a whole. The manufacturers policy is one of continuous improvement and we reserve the right to make changes to product specifications at our discretion and without prior notice.