

## INSTALLER'S GUIDE



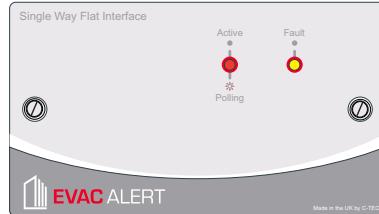
Read these instructions before installation and operation

**⚠ THIS EQUIPMENT MUST BE INSTALLED AND MAINTAINED BY A SUITABLY SKILLED AND TECHNICALLY COMPETENT PERSON. ENSURE ALL POWER IS REMOVED BEFORE INSTALLATION.**

## Product Description

The CA736 is a single-way flat interface with one conventional sounder circuit for use on C-TEC's EVAC-ALERT system.

Designed to meet the requirements of BS 8629, the CA736 mounts on a standard 35mm deep UK double-gang back box sited outside a flat and offers short circuit proof sounder circuits.



## Features

- Complies with the requirements of BS 8629 Clause 8.
- Compatible with C-TEC's EVAC-ALERT evacuation alert panel (EACIE).
- Compatible with C-TEC's ActiV range of conventional sounders and VADs.
- Automatic successful test notification to EACIE CIE if used with ActiV Self-Testing sounders.
- Loop powered and allocated a single loop address by the EACIE panel.
- Sounder activation and deactivation controlled by the EACIE panel.
- Sounder circuit wiring monitored for open or short circuit faults.
- On-board, bi-directional, short-circuit isolator.
- Standard 35mm deep UK double-gang back box mounting.

## Technical Specification

Description:	CA736 Single-Way Flat Interface		
Sounder Circuit Load:	45mA max. @ 20V. Note: EACIE calculator tools are available on C-TEC's website, <a href="http://www.c-tec.com">www.c-tec.com</a> .		
Operating Voltage:	22 to 40Vdc		
Quiescent Current:	530µA		
Alarm Current:	3mA		
Monitoring:	27K EOL. S/C and O/C monitored.		
Communications Protocols:	C-TEC's CAST / CAST-PRO		
LED Indicators:	Active (Steady Red LED) - Sounder circuit activated.		
	Polling (Flashing Red) LED - Communication check with the CIE.		
	Fault (Steady Yellow) LED - Wiring fault (open or short circuit) detected on the monitored sounder circuit.		
Dimensions (mm):	147 (W) x 87 (H) x 25 (D)	Body Material:	PVC
Weight:	115g	IP Rating (EN 60529):	IP40 (indoor use only)
Operating Temp.:	-10°C to +55°C	Humidity:	Max. 95% RH (non-condensing)

## Wiring and Connections

All wiring must be installed in accordance with all applicable national, regional or local standards.

In the UK this is BS 7671 (IET Wiring Regulations) and BS 8629 Clause 15.2.

2-core screened, enhanced fire-resistant cable must be used for loop wiring and wiring to devices.

### CONN1 (SNDR + -) Connector - See Fig.1

Connection to ActiV self-testing sounders and ActiV self-testing sounder VADs (which are located inside flats).

Fit the supplied 27K EOL across the terminals of the last device on the circuit.

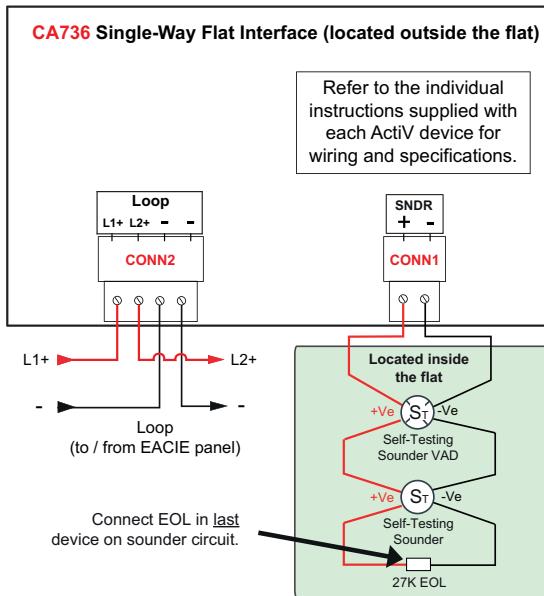
All terminals can accept cables up to 1.5mmØ.

### CONN2 Loop Connector - See Fig.1

Loop connection to / from EACIE panel.

Terminal	Function
L1+	+Ve
L2+	+Ve
-	-Ve
-	-Ve

Fig.1: CA736 Wiring & Connections



## Installation and Testing

This product must be installed indoors but OUTSIDE the flat / apartment, in a common area, e.g. a corridor, as per BS 8629 Clause 19.1.

The CA736 fits on a standard 35mm deep UK double-gang back box and should be tested in accordance with the recommendations of BS 8629 Clause 21.1.

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



Manufacturer: Computationics Limited (C-TEC), Challenge Way, Martland Park, Wigan, Lancashire WN5 0LD. [www.c-tec.com](http://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.