

## CAST O-R-3-2.5-18 Base Corridor VAD ONLY

Part No. **CA459A/W**



### Overview

- LPCB certified to EN54-23 & 17 and Kiwa Telefication certified to EN54-13.
- Provides 'O-R-3-2.5-18' rated light distribution.
- Ideal for use in corridors (mount in a specific orientation for 2.5m width & 18m length rated coverage). See VAD Coverage section below for further details.
- Onboard short-circuit loop isolator.
- 7mA typical alarm current (460µA typical quiscemt) @ 27-40V DC.
- Group addressing facility allows multiple devices to be operated simultaneously.
- Optional BF330CTLIDW white or BF330CTLIDR red cap available for stand-alone use.
- IP21C rated.
- White ceiling fixing plate & detector spur wires included.



### 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) - coming soon. • 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	LPCB certified to EN54-17 & 23 and Kiwa Telefication certified to EN54-13.
Protocol/compatibility	Compatible with C-TEC's CAST protocol Addressable Fire Panels.
Application/operation	Designed to be ceiling mounted - either stand-alone with a red or white cap or as part of a stacked Sounder/VAD/Detector Base combination. Ideal for use in corridors.
VAD category & coverage	O-R-3-2.5-18.
Flash rate & colour	0.5Hz / White.
Supply/operating voltage	27 to 40V DC.
Quiescent current	460µA @ 27 to 40V DC (typical).
Alarm current	7mA @ 27 to 40V DC (typical).
Indicators	Polling (red LED).
Product dimensions (mm)	122mm diameter x 46mm deep (not including optional CAST detector and base).
IP Rating	IP21C (Type A).
Weight	170g.
Operating conditions/temperature	-10°C to +55°C. Max. 95% RH (Non-condensing).



T 01942 322744 E sales@c-tec.co.uk  
F 01942 829867 W www.c-tec.com



C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD United Kingdom