

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 & DBI certified to EN54-13.
- EN54-13 & NTN 179L: 2021 certified by Belgian certification body BOSEC.
- Also certified to the relevant parts of EN54 with Swedish certification body SBSC.
- 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 quiescent) @ 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, it involved the creation of a powerful proprietary communication protocol (C-TEC Addressable System Technology, CAST) and multiple control panels & field devices. 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) via our CAST-PRO devices. • Volumes, tones & detector modes can be changed at compatible panels. • High-speed data transmission and robust data transfer. • Intrinsically EN54-13 compliant. • 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 & 23 by LPCB and certified to EN54-13 by Kiwa Telefication, Certified to EN54-13 & NTN 179-L:2021 by BOSEC, Certified to EN54-13 by DBI, Certified to the relevant parts of EN54 by SBSC
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).