



Addressable Fire Systems

APOLLO XP95/DISCOVERY

Sounders & VADs

Hi-Output W-2.4-8.2 IP65


Wall VAD c/w 103dB(A) Sounder


[◀ Back to Search results for "BF433A/CX/DR/65" \(2 other results\)](#)

Hi-Output W-2.4-8.2 IP65 Wall VAD c/w 103dB(A) Sounder

Part No. **BF433A/CX/DR/65**

- An IP65 version of our popular W.2.4-8.2 Wall VAD & Sounder.
- Provides 'W-2.4-8.2' light distribution when wall mounted (min 0.4 lux over a 2.4m x8.2m cuboid area) using the same lens and electronics as our EN54-23, 3 & 17 certified Hi-Output Sounder VAD.
- Impressive 103dB(A) sound output @ 1m.
- Onboard short-circuit loop isolator.
- 550µA quiescent current.
- 14mA alarm current @24V DC (VAD lit, sounder on max).
- Group addressing facility allows multiple devices to be operated simultaneously.
- 7 selectable volume levels and up to 15 selectable tone pairs.
- IP65 rated.

Technical Specifications 	
Protocol/compatibility	Compatible with C-TEC's XFP/ZFP XP95/Discovery Addressable Fire Panels.
Application/operation	Designed to be wall mounted. Suitable for use in external areas where IP65 rated devices are deemed sufficient.
VAD category & coverage	W-2.4-8.2.
Flash rate & colour	0.5Hz / White.
Supply/operating voltage	17 to 28V DC (Sounder); 21 to 28V DC (Sounder/VAD).
Quiescent current	550µA @ 24 VDC.
Nominal SPL (Sound Pressure Level)	103dB(A) when set to tone 1.
Alarm current	14mA (VAD lit, Sounder on max).
Indicators	Polling (green LED) & Short Circuit Isolator Active (amber LED).
Product dimensions (mm)	114mm diameter x 131mm deep.
IP Rating	IP65.
Weight	315g.
Operating conditions/temperature	-10°C to +55°C. Max. 95% RH (Non-condensing).
Notes	Includes the same lens and electronics as our EN54-23, 3 & 17 certified Hi-Output Sounder VAD but is IP65 rated.

VAD coverage (with multiplication factors applied) 
<p>VAD coverage depends on factors such as ambient light and viewing angle (direct or indirect). The table below summarises how the coverage of the BF433A/CX/DR increases or decreases based on these factors. To use the table, calculate the lux level of the area requiring coverage, determine whether the viewing angle will be direct or indirect then read off the coverage in the relevant column. For further information refer to our VAD System Design Guide, downloadable from the Documentation tab below.</p>

Lux level in area requiring coverage	W-2.4-8.2 Wall Mounted Direct Viewing	W-2.4-8.2 Wall Mounted Indirect Viewing	W-4-4 Wall Mounted Direct Viewing	W-4-4 Wall Mounted Indirect Viewing
000-101 lux	12.5m H x 42.6m W	4.3m H x 14.8m W	20.8m H x 20.8m W	7.2m H x 7.2m W
101-200 lux	10.6m H x 36.1m W	4.1m H x 13.9m W	17.6m H x 17.6m W	6.8m H x 6.8m W
201-300 lux	7.7m H x 26.2m W	3.4m H x 11.5m W	12.8m H x 12.8m W	5.6m H x 5.6m W
301-400 lux	5.5m H x 18.9m W	2.9m H x 9.8m W	9.2m H x 9.2m W	4.8m H x 4.8m W
401-500 lux	4.3m H x 14.8m W	2.4m H x 8.2m W	7.2m H x 7.2m W	4.0m H x 4.0m W
501-600 lux	3.1m H x 10.7m W	2.1m H x 7.4m W	5.2m H x 5.2m W	3.6m H x 3.6m W
601-700 lux	2.4m H x 8.2m W	not applicable	4.0m H x 4.0m W	2.8m H x 2.8m W
701-800 lux	not applicable	not applicable	2.8m H x 2.8m W	not applicable

Documentation 

14 other products in the same category: 

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