

Overview ACOUSTIC & VISUAL SIGNALS - INDUSTRIAL & FIRE - SOUNDER/LED BEACON

The Nexus Pulse Wall mounted range combines a high-output sounder with an EN54-23 certified beacon to deliver reliable visual and audible warning for industrial and fire alarm systems. Designed with a robust, high-ingress-protection enclosure suitable for demanding environments, these units ensure effective coverage in larger installations.

The choice of **red or white flash** determines the available coverage area:

- **Red flash:** W-2.4-7.5 – suitable for mounting up to 2.4 m, covering a 7.5 m × 7.5 m room
- **White flash:** W-3.1-11.3 – suitable for mounting up to 3.1 m, covering a 11.3 m × 11.3 m room.

The selectable flash rate allows fine adjustment to meet system requirements, with a direct impact on current consumption.

Features

- Synchronised Flash
- No Surge Current
- Coverage Volume :
 - 11.3m for White Flash
 - 7.5m for Red Flash
- Wire to Base Technology
- Volume Control -20dB
- Beacon conforms to :
 - EN54-23
- Available in 17-60vDC

Material

- High Impact Polycarbonate/ABS



IP66



LED



30 or 60 FPM



Up to 116dB* (A) @ 1m



64 Tones



-25 to +70°C

*Depending on the model selected

APPROVALS & CONFORMITIES



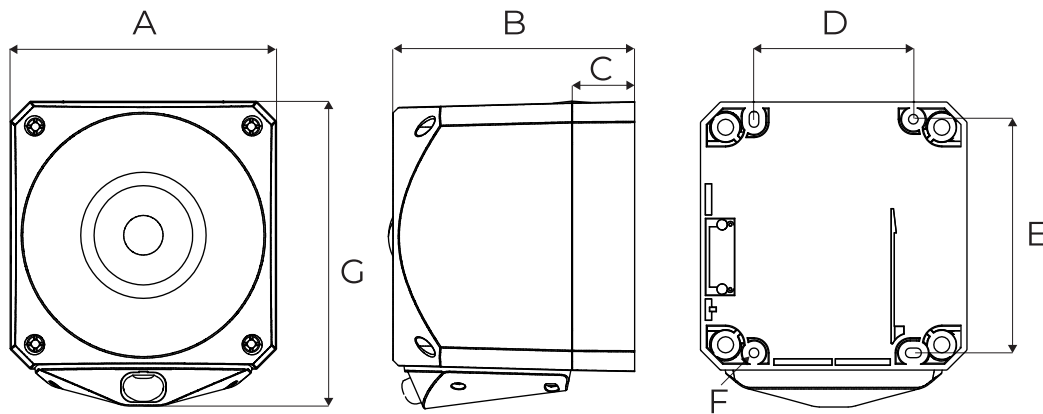
Ordering Information

Voltage	Ordering Information				Mode & Current Consumption*	
Voltage Range	Product Code	dB	Body Colour	Flash Colour	Flashing @ 0.5Hz	Flashing @ 1Hz
Nexus Pulse 105						
17-60vDC	ENC-6001	Up to 113dB	Red	White	50mA	70mA
17-60vDC	END-6001	Up to 113dB	Red	Red	50mA	70mA
Nexus Pulse 110						
17-60vDC	ENC-6002	Up to 116dB	Red	White	65mA	85mA
17-60vDC	END-6002	Up to 116dB	Red	Red	65mA	85mA

*Current consumption is dependent on the Tone selected

Weights & Dimensional Drawings

Kg	Nexus Pulse 105	Nexus Pulse 110
Net Weight	0.800	1.200



Dimensions (mm)*		
REF	Pulse 105	Pulse 110
A	136	166
B	124.5	149.5
C	35	38.6
D	76.5	99.5
E	118	145
F	5	6
G	159	189

*Note: Details of the diagram shown above are for Pulse 110.

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Introduction to EN54-23 EN54-23 Visual Alarm Devices – Nexus & Sonos Pulse Alert Technology

The **EN54-23 European fire standard** defines clear performance requirements for **Visual Alarm Devices (VADs)**, removing uncertainty around light output and system design. It ensures that visual alerts are effective for safe evacuation of buildings.

VAD Classifications : EN54-23 defines three VAD categories:

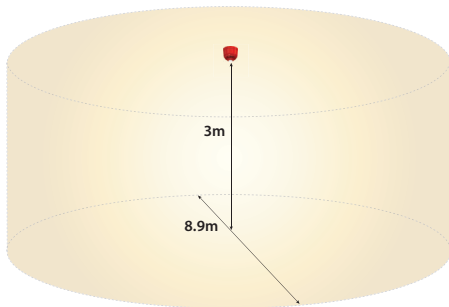
- **Wall-Mount:** Tested at specific mounting heights with defined coverage areas.
- **Ceiling-Mount:** Tested at specific mounting heights with defined coverage areas.
- **Open:** Coverage volume and shape defined by the manufacturer; no restrictions on mounting height.

Pulse Alert Technology is designed to **exceed the requirements** of all standard classifications, offering superior performance and coverage flexibility.

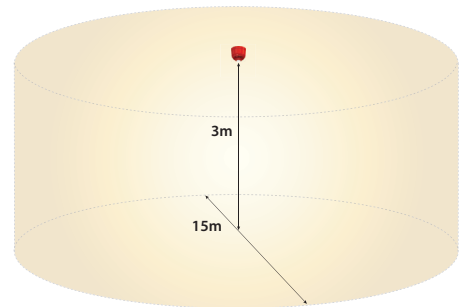
Product	Mounting Type	Configuration	Notes
Sonos Pulse	Wall or Ceiling	Beacon or Sounder/Beacon	Red Flash → Standard coverage
Nexus Pulse	Wall	Sounder/Beacon	White Flash → Extended coverage

Ceiling Mount

Ceiling Mounted Coverage Volume



Sonos Pulse Red Flash

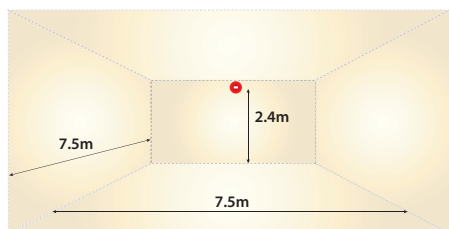


Sonos Pulse White Flash

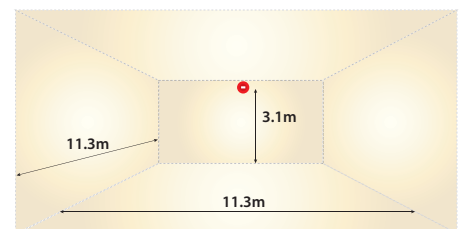
Product	Flash Colour	Mount Height (X)	Coverage Diameter (Y)
Sonos Pulse	Red	2m	8.9m
Sonos Pulse	White	3m	15m

Wall Mount

Wall Mounted Coverage Volume



Sonos & Nexus Pulse Red Flash



Sonos & Nexus Pulse White Flash

Product	Flash Colour	Mount Height (X)	Coverage Width x Length (Y)
Sonos & Nexus Pulse	Red	2.4m	7.5 x 7.5m
Sonos & Nexus Pulse	White	3.1m	11.3 x 11.3m