

## Introduction to EN54 Pt:23

The new European fire standard specifies the minimum performance requirements for Visual Alarm Devices (VADs), removing any ambiguity regarding the light output requirements or system design parameters involved with using light to evacuate buildings.

The standard specifies three different classifications for VADs: Wall, Ceiling & Open. Wall & Ceiling mount categories are specified at designated mounting heights and particular coverage patterns areas.

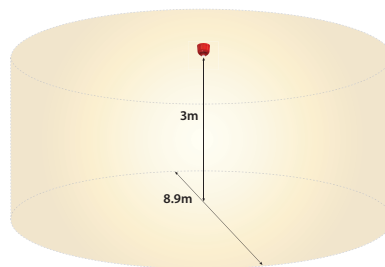
The Open classification allows the manufacturer to specify the coverage volume and coverage shape, and does not restrict mounting height. Pulse Alert Technology is not specified in this way, as it has been designed to exceed the requirements of the more specific device classifications.

Sonos Pulse are available as fire beacons or combined sounder/beacons for wall or ceiling mount. Nexus Pulse are combined sounder/beacons for wall mount only. The choice of a Red or White flash will dictate the final coverage volume.

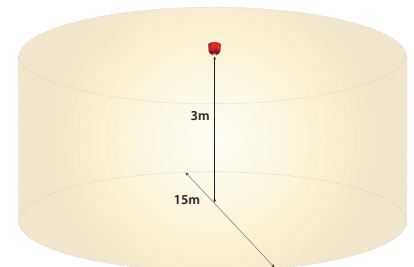
## Ceiling Mount

The coverage volume is classified as a code in the form of C – X – Y where C designates Ceiling classification, X is the maximum mounting height & Y is the diameter of the coverage area. All distances are measured in meters.

### Ceiling Mount EN54-23 Coverage



Sonos Red Flash

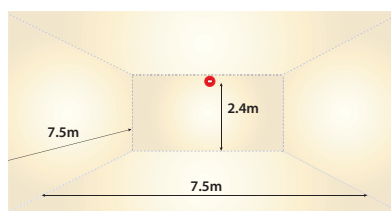


Sonos White Flash

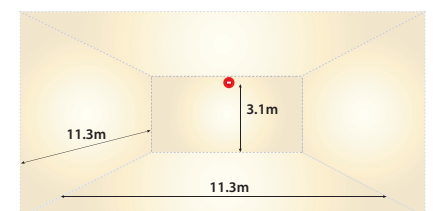
## Wall Mount

The coverage volume is classified as a code in the form of W – X – Y where W designates Wall classification, X is the maximum mounting height & Y is the width & length of the coverage area. All distances are measured in meters.

### Wall Mount EN54-23 Coverage

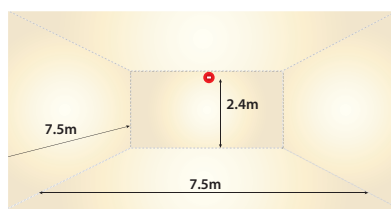


Sonos Red Flash

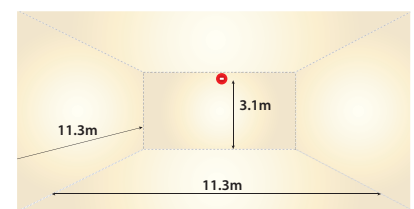


Sonos White Flash

### Wall Mount EN54-23 Coverage



Nexus 105/110 Red Flash



Nexus 105/110 White Flash



# Audible & Visual Signals - EN54 Pt:23 ELECTRONIC SOUNDERS

## Audible & Visual Electronic Sounders > Sonos Pulse Ceiling Series

### Product overview

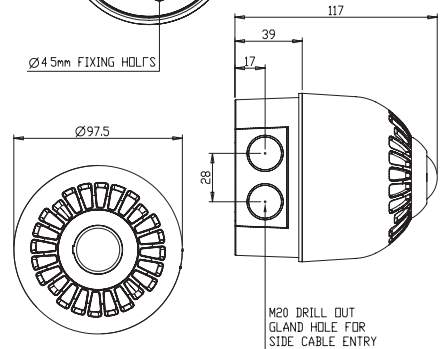
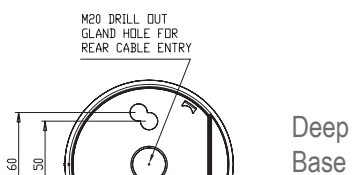
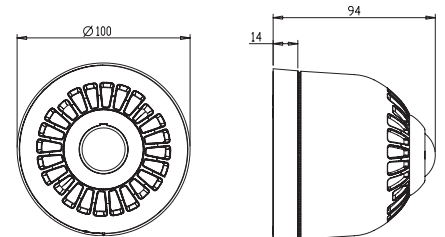
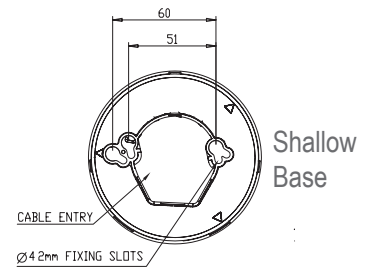
Sonos Pulse Ceiling mounted visual alarm devices are available as fire beacons or combined sounder beacons. The choice of a white or a red flash unit will determine the amount of area that can be covered.

The white flash unit giving the optimum coverage area.

The flash rate is selectable on the unit and will dictate the current consumed. Shallow or Deep base selection dictate ingress protection (IP) levels of the enclosure.

## Sonos Pulse Ceiling: Red or White Flash > Ordering Information

| Code No:                | Voltage:     | Base Type:   | Description:               | Flash rate at   |       |
|-------------------------|--------------|--------------|----------------------------|-----------------|-------|
|                         |              |              |                            | @0.5Hz Current: | @ 1Hz |
| <b>Beacon</b>           |              |              |                            |                 |       |
| ESB-5005                | 17-60v Dc--- | Deep Base    | White Flash and White Body | 20mA            | 40mA  |
| ESB-5006                | 17-60v Dc--- | Shallow Base | White Flash and White Body | 20mA            | 40mA  |
| ESB-5007                | 17-60v Dc--- | Deep Base    | White Flash and Red Body   | 20mA            | 40mA  |
| ESB-5008                | 17-60v Dc--- | Shallow Base | White Flash and Red Body   | 20mA            | 40mA  |
| <b>Sounder/Beacon *</b> |              |              |                            |                 |       |
| ESC-5005                | 17-60v Dc--- | Deep Base    | White Flash and White Body | 25mA            | 45mA  |
| ESC-5006                | 17-60v Dc--- | Shallow Base | White Flash and White Body | 25mA            | 45mA  |
| ESC-5007                | 17-60v Dc--- | Deep Base    | White Flash and Red Body   | 25mA            | 45mA  |
| ESC-5008                | 17-60v Dc--- | Shallow Base | White Flash and Red Body   | 25mA            | 45mA  |
| ESF-5005                | 17-60v Dc--- | Deep Base    | Red Flash and White Body   | 25mA            | 45mA  |
| ESF-5006                | 17-60v Dc--- | Shallow Base | Red Flash and White Body   | 25mA            | 45mA  |
| ESF-5007                | 17-60v Dc--- | Deep Base    | Red Flash and Red Body     | 25mA            | 45mA  |
| ESF-5008                | 17-60v Dc--- | Shallow Base | Red Flash and Red Body     | 25mA            | 45mA  |



### Features

- EN54 Pt:23 Approved
- VDS Approved
- Up to 15m Coverage Volumes
- Synchronised Flash
- No Surge Current
- Wire to base Technology
- Up to 2 x 20mm cable entries
- ABS FR construction
- Dustproof and Weatherproof

**Kg** 0.24 SB  
0.29 DB

**°C** -25+70

**IP** 21 SB  
65 DB

**dB** 97 \*

**FPM** 30/60

**FIRE**

APPROVALS and  
CONFORMITIES





# Audible & Visual Signals - EN54 Pt:23 ELECTRONIC SOUNDERS

## Audible & Visual Electronic Sounders > Sonos Pulse Wall Series

### Product overview

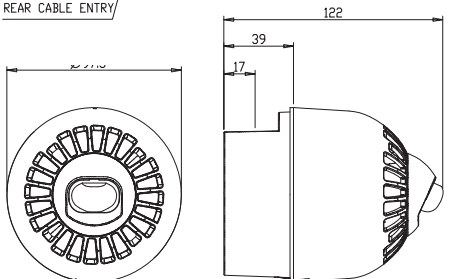
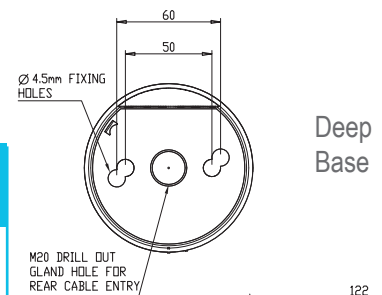
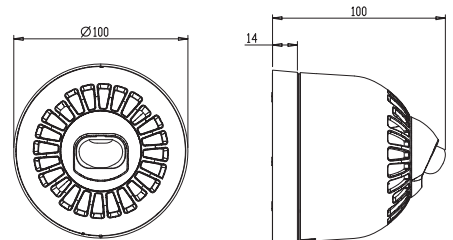
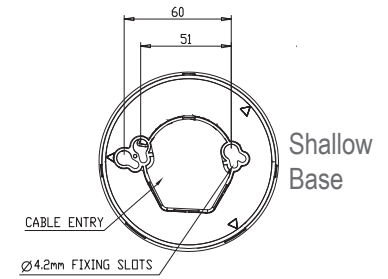
Sonos Pulse Wall mounted visual alarm devices are available as fire beacons or combined sounder beacons. The choice of a white or a red flash unit will determine the amount of area that can be covered.

The white flash unit giving the optimum coverage area.

The flash rate is selectable on the unit and will dictate the current consumed. Shallow or Deep base selection dictate ingress protection (IP) levels of the enclosure.

## Sonos Pulse Wall: Red or White Flash > Ordering Information

| Code No:                | Voltage:     | Base Type:   | Description:               | Flash rate at   |       |
|-------------------------|--------------|--------------|----------------------------|-----------------|-------|
|                         |              |              |                            | @0.5Hz Current: | @ 1Hz |
| <b>Beacon</b>           |              |              |                            |                 |       |
| ESB-5001                | 17-60v Dc--- | Deep Base    | White Flash and White Body | 20mA            | 40mA  |
| ESB-5002                | 17-60v Dc--- | Shallow Base | White Flash and White Body | 20mA            | 40mA  |
| ESB-5003                | 17-60v Dc--- | Deep Base    | White Flash and Red Body   | 20mA            | 40mA  |
| ESB-5004                | 17-60v Dc--- | Shallow Base | White Flash and Red Body   | 20mA            | 40mA  |
| <b>Sounder/Beacon *</b> |              |              |                            |                 |       |
| ESD-5001                | 17-60v Dc--- | Deep Base    | White Body and Red Flash   | 20mA            | 40mA  |
| ESD-5002                | 17-60v Dc--- | Shallow Base | White Body and Red Flash   | 20mA            | 40mA  |
| ESD-5003                | 17-60v Dc--- | Deep Base    | Red Body and Red Flash     | 20mA            | 40mA  |
| ESD-5004                | 17-60v Dc--- | Shallow Base | Red Body and Red Flash     | 20mA            | 40mA  |
| ESC-5001                | 17-60v Dc--- | Deep Base    | White Flash and White Body | 25mA            | 45mA  |
| ESC-5002                | 17-60v Dc--- | Shallow Base | White Flash and White Body | 25mA            | 45mA  |
| ESC-5003                | 17-60v Dc--- | Deep Base    | White Flash and Red Body   | 25mA            | 45mA  |
| ESC-5004                | 17-60v Dc--- | Shallow Base | White Flash and Red Body   | 25mA            | 45mA  |
| ESF-5001                | 17-60v Dc--- | Deep Base    | White Body and Red Flash   | 25mA            | 45mA  |
| ESF-5002                | 17-60v Dc--- | Shallow Base | White Body and Red Flash   | 25mA            | 45mA  |
| ESF-5003                | 17-60v Dc--- | Deep Base    | Red Body and Red Flash     | 25mA            | 45mA  |
| ESF-5004                | 17-60v Dc--- | Shallow Base | Red Body and Red Flash     | 25mA            | 45mA  |



### Features

- EN54 Pt:23 Approved
- VDS Approved
- Up to 15m Coverage Volumes
- Synchronised Flash
- No Surge Current
- Wire to base Technology
- Up to 2 x 20mm cable entries
- ABS FR construction
- Dustproof and Weatherproof

**Kg** 0.24 SB  
0.29 DB

**°C** -25+70

**IP** 21 SB  
65 DB

**dB** 97 \*

**FPM** 30/60

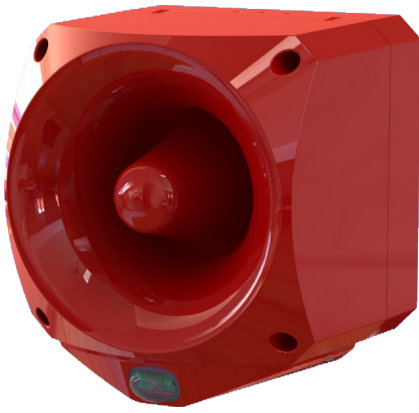
**FIRE**

APPROVALS and  
CONFORMITIES

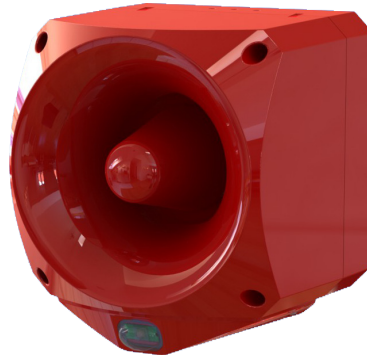


# Audible & Visual Signals - EN54 Pt:23

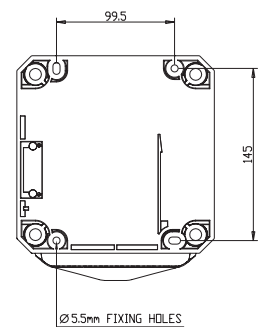
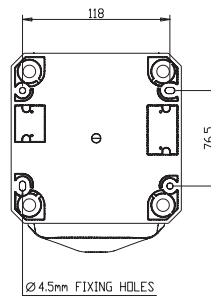
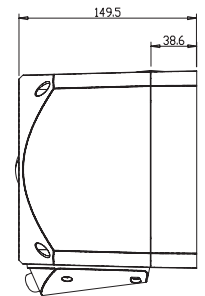
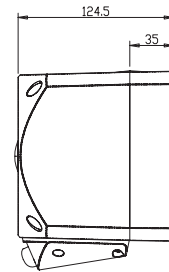
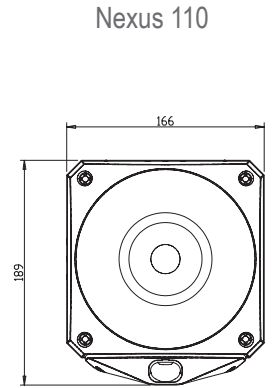
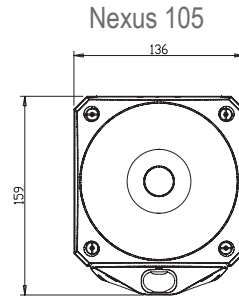
## ELECTRONIC SOUNDERS



Nexus 110



Nexus 105



## Audible & Visual Electronic Sounders > Nexus Pulse Wall Series

### Product overview

The Nexus Pulse Wall mounted Visual Alarm devices are combined sander beacons designed for fire alarm use. These units have been designed to offer much higher dB outputs to provide audible cover in larger installations.

The enclosures have been designed to offer higher levels of ingress protection (IP) up to marine use. The choice of a white or red flash unit will determine the amount of area that can be covered. The white flash unit giving the optimum coverage area. The flash rate is selectable on the unit and will dictate the current consumed.

## Nexus Pulse Wall: Red or White Flash > Ordering Information

| Code No:                | Voltage:     | Description:             | Flash rate at:     |       | Decibel:<br>@1meter |
|-------------------------|--------------|--------------------------|--------------------|-------|---------------------|
|                         |              |                          | @0.5Hz<br>Current: | @ 1Hz |                     |
| <b>Sounder / Beacon</b> |              |                          |                    |       |                     |
| ENC-6001                | 17-60v Dc--- | White Flash and Red Body | 50mA               | 70mA  | 105                 |
| END-6001                | 17-60v Dc--- | Red Flash and Red Body   | 50mA               | 70mA  | 105                 |
| ENC-6002                | 17-60v Dc--- | White Flash and Red Body | 65mA               | 85mA  | 110                 |
| END-6002                | 17-60v Dc--- | Red Flash and Red Body   | 65mA               | 85mA  | 110                 |

### Features

- EN54 Pt:23 Approved
- Up to 11.3m Coverage Volumes
- Synchronised Flash
- No Surge Current
- Wire to base Technology
- Up to 5 x 20mm cable entries
- ABS FR construction
- Dustproof and Weatherproof

**Kg** 0.8 105  
1.2 110

**°C** -25+70

**IP** 66

**FPM** 30/60

**FIRE**

APPROVALS and  
CONFORMITIES

