



## Overview

ACOUSTIC SIGNALS - INDUSTRIAL & FIRE - ELECTRONIC SOUNDER

The AE105, AE110, and AE120 'NEXUS' range of high-output electronic sounders is designed for a wide variety of industrial and fire signalling applications where a high level of versatility and performance is required.

The AE110 and AE120 models offer three-stage alarm functionality with sixty-four selectable tones, automatically synchronised across multiple units. Tone selection is easily configured internally via a six-way DIP switch.

The Nexus range features a 'first-fix' wiring design: all connections are made to the base during the initial installation phase, ensuring faster, cleaner, and more reliable wiring. The sounder head is then secured using four captive quarter-turn fasteners, enabling rapid assembly while providing precise seal compression for optimal weatherproofing.

With an IP66 rating as standard and five available cable entry options, Nexus sounders can be installed in almost any location and adapted to a wide range of industrial environments.

## Features

- Continuously rated
- 3 Stage Alarm
- Simple «First Fix» installation
- Synchronized alarm tones
- Volume control -20dB
- Available in 10-60vDC or 110-230vAC

## Material

- Red Flame Retardant Polycarbonate



IP66



Up to 120dB\* (A) @ 1m



64 Tones



-25 to +70°C (DC)  
-25 to +55°C (AC)



50/60Hz

\*Dependent upon selected model

## APPROVALS & CONFORMITIES



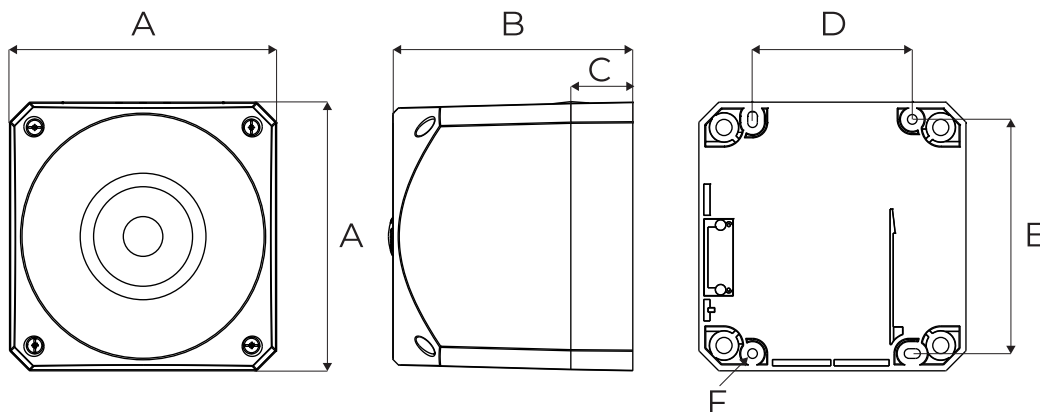
## Ordering Information

| Voltage       | Ordering Information |             | Mode & Current Consumption* |
|---------------|----------------------|-------------|-----------------------------|
| Voltage Range | Product Code         | dB          | Tone Dependent              |
| <b>AE105</b>  |                      |             |                             |
| 10-60vDC      | AE105-02MF           | Up to 113dB | 8-40mA                      |
| 110-230vAC    | AE105-04MF           | Up to 113dB | 40mA (max)                  |
| <b>AE110</b>  |                      |             |                             |
| 10-60vDC      | AE110-02MF           | Up to 116dB | 10-50mA                     |
| 110-230vAC    | AE110-04MF           | Up to 116dB | 40mA (max)                  |
| <b>AE120</b>  |                      |             |                             |
| 10-60vDC      | AE120-02MF           | Up to 120dB | 120-550mA                   |
| 110-230vAC    | AE120-04MF           | Up to 120dB | 200mA (max)                 |

\*Current consumption is dependent on the Tone selected

## Weights & Dimensional Drawings

| Kg         | AE105 | AE110 | AE120 |
|------------|-------|-------|-------|
| Net Weight | 0.700 | 1.100 | 1.800 |



| Dimensions (mm)* |       |             |
|------------------|-------|-------------|
| REF              | AE105 | AE110 & 120 |
| A                | 136.2 | 166.3       |
| B                | 124.5 | 149.5       |
| C                | 35    | 38.6        |
| D                | 76.5  | 99.5        |
| E                | 118   | 145         |
| F                | 5     | 6           |

\*Note: Details of the diagram shown above are for AE110/120.

## APPROVALS & CONFORMITIES

