

VA423

8-Watt metal wall mounting bi-directional loudspeaker

The VA423 is designed for long narrow applications such as corridors. It has a driver at both ends of its enclosure to project sound in two directions

They should normally be installed eight metres apart at a height of 1.8m to 2m*.

The VA423 is supplied with a ceramic terminal block with thermal fuse, three 20 mm top cable gland entries and complies with the requirements of BS 5839-8:1998..

* This assumes that the acoustic space is within the following parameters:-

- Average reverberation time across 500 Hz, 1 kHz and 2 kHz octave bands is not greater than 1,3 seconds
- Reference ambient noise level is less than 65 dBA
- Sound pressure level of voice messages is greater than 75 dBA Leq measured over a period of not less than 10 seconds

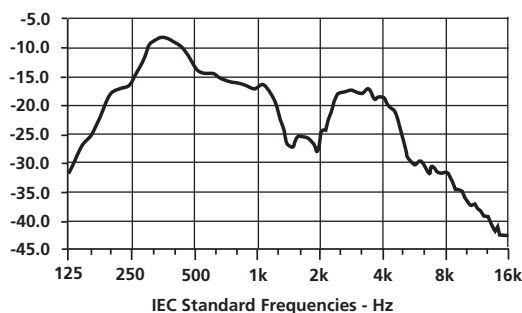


Specification

Rated power (rms)	8 W
Power taps @ 100 V	8 / 4 / 2 / 1 / 0.5 W
SPL 1W/1m @ 1 kHz	86 dBA
Max SPL (max W/1m) @ 1 kHz	93 dBA
Room storage temperature range	-30 °C to +60 °C
Room operational temperature range	-5 °C to +35°C
Power selection method	Transformer spade connector
Case material	Steel
Colour/finish	White (RAL9016)
Dimensions	155 mm (h) x 250 mm (w) x 92 (d)
IP rating	30
Net weight	2.7 kg
Mounting method	Screw
Terminal block (in and out terminals)	Ceramic (5 way), max. core size = 2.5 mm
102°C thermal fuse	Yes

Frequency response:

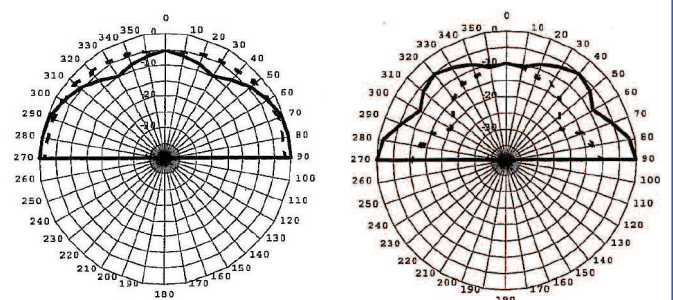
Wide-Band Frequency Response



Polar plots:

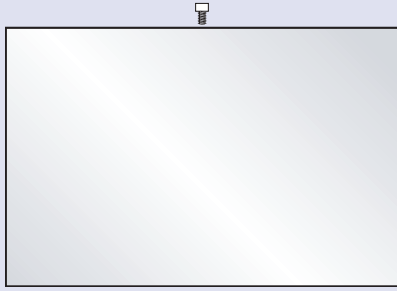
1 kHz

4 kHz

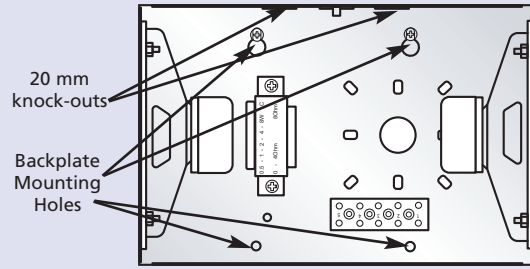


Installation:

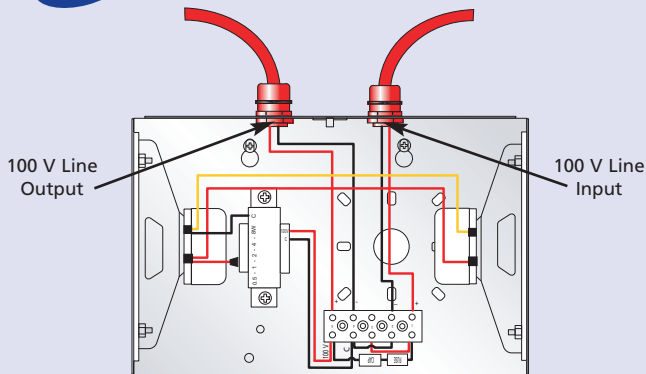
STEP 1 Remove cover



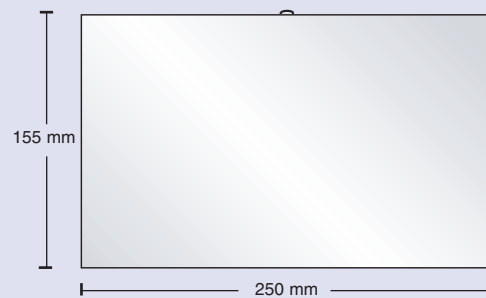
STEP 2 Fix to wall



STEP 3 Gland & connect cable

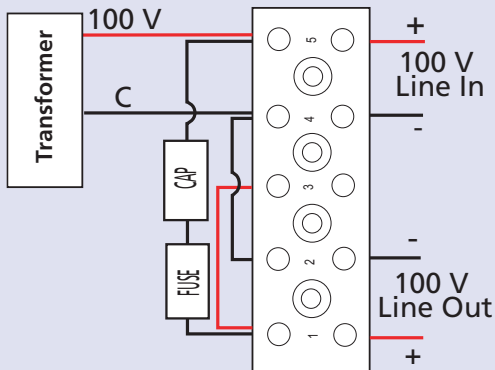


STEP 3 Re-fit cover



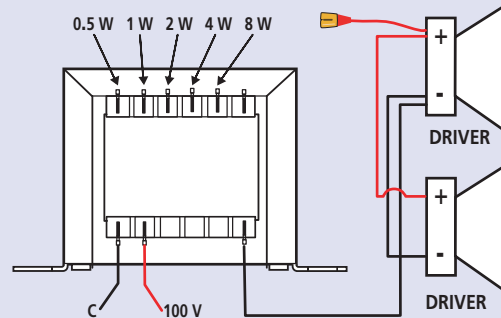
Connections:

Ceramic Terminal Block Wiring



Tappings:

Note: It is important to set the loudspeaker at the correct tap for the application.



100 V Line Input from ceramic terminal block

Note: For best performance, all loudspeakers must be connected in phase.