

VA430

6-Watt round metal loudspeaker

Designed for applications where it is not possible to install recessed loudspeakers, the VA430 can be surface mounted onto walls or ceilings.

For wall mounting in rooms up to four metres wide, they should normally be installed six metres apart at a height of 1.8 m to 2 m*.

For wall mounting in rooms up to nine metres wide, they should normally be installed on opposite walls in a staggered pattern (i.e. not directly facing each other)*.

For ceiling mounting on ceilings up to four metres high, they should be mounted on a grid pattern no more than 6 metres apart.*

The VA 430 is supplied with a ceramic terminal block with thermal fuse, two 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:-

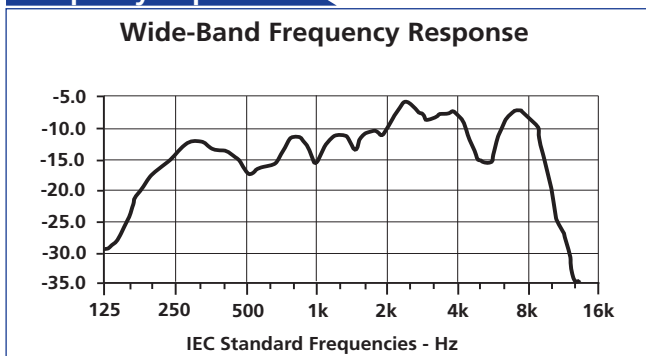
- Average reverberation time across 500 Hz, 1 kHz and 2 kHz octave bands is not greater than 1.3 seconds
- Reference ambient noise level is less than 65 dBA
- Sound pressure level of voice messages is greater than 75 dBA Leq measured over a period of not less than 10 seconds



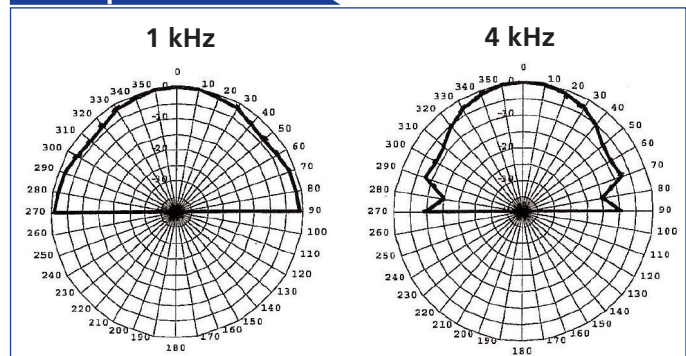
Specification

Rated power (rms)	6 W
Power taps @ 100 V	6 / 4 / 2 / 1 / 0.5 W
SPL 1W/1m @ 1 kHz	93 dBA
Max SPL (max W/1m) @ 1 kHz	101 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 (RAL 9016)
Dimensions	270 mm (diam) x 90 mm high
IP rating	30
Net weight	1.2 kg
Mounting method	Screw wall bracket & spring clip cover/grill
Terminal block (in and out terminals)	Ceramic (5 way), max core size = 2.5 mm
102 °C thermal fuse	Yes

Frequency response:

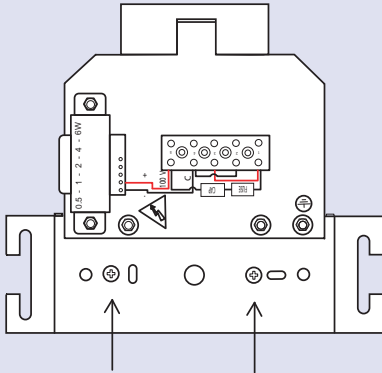


Polar plots:

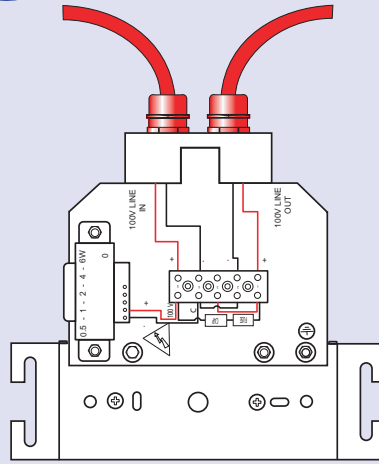


Installation:

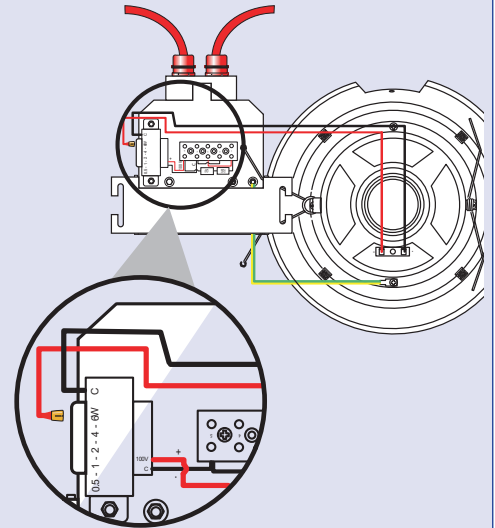
STEP 1 Remove cover & screw fixing brackets to wall



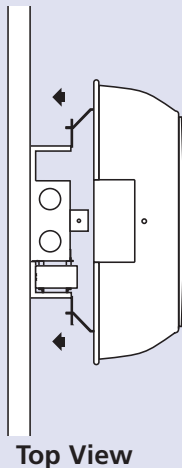
STEP 2 Gland & connect cable



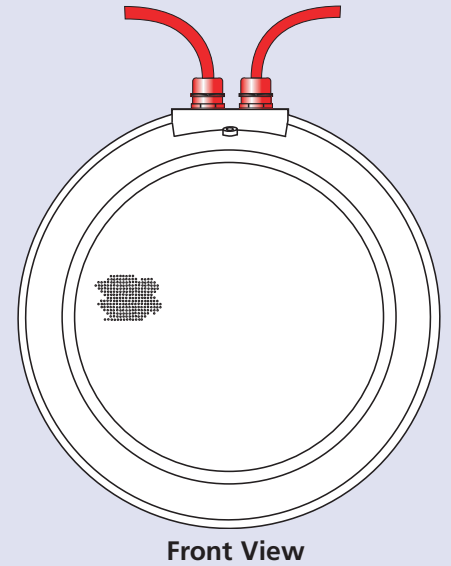
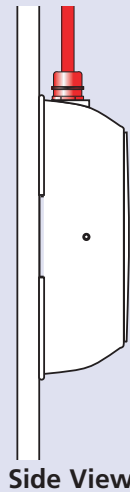
STEP 3 Select tap as appropriate



STEP 4 Place spring clips into guides

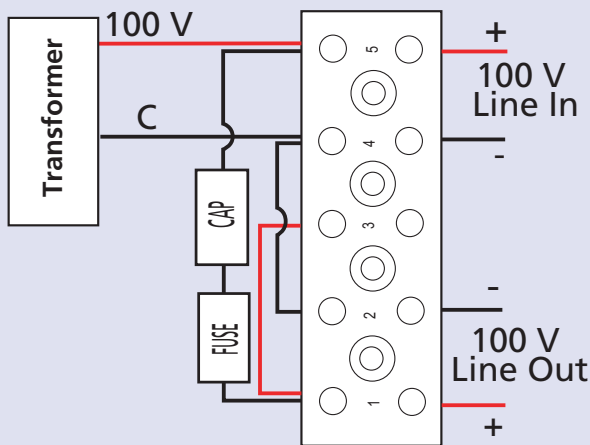


STEP 5 Push cover until closed



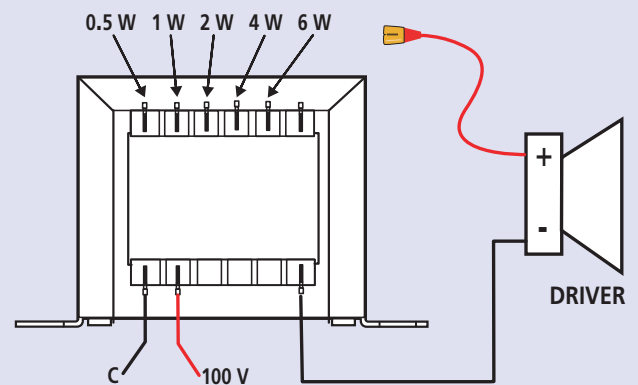
Connections:

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.