



**METAL SOUND PROJECTOR
BI-DIRECTIONAL**

CELL10/BDT

This on both sides sound expansion elegant, high-quality sound projector is made of extruded aluminum coated with plastic. The robust construction ensures high protection against vandalism and makes it suitable for use in shopping centers, railway stations, prisons, etc.

The specially treated chassis provides excellent speech intelligibility as well as excellent reproduction of background music.



| ● Electrical | |
|---|---|
| Rated power, watts | 2 x 10W (Bi-directional) |
| Tappings 100 volt line, watts | 20/10/5/2.5 |
| Transformer Impedance, ohms 100V | 500/1k/2k/4k |
| Tappings 70.7 volt line, watts | 10/5/2.5/1.25 |
| Driver impedance, ohms | 4 |
| Effective Frequency Range, Hz (BSEN60268-5) | 120-18,000 |
| S.P.L. @ 1m, 1watt, dB, test signal bandwidth 100Hz - 10kHz | 88 |
| S.P.L. Full power, octave bandwidth, dB | 101 |
| Acoustic power (dB-PWL @ 1 watt) 1k/2k Hz, dB | 87/89 |
| Dispersion at 1k/2k Hz, Degrees | 160/120 (each direction) |
| Directivity axial Q factor, 1k/2k Hz | 2.2/2.8 (each direction) |
| ● Environmental | |
| IP-rating | 55 |
| Min/Max amb temp | -25°C to 70°C |
| Relative humidity | n/a |
| ● Mechanical | |
| Dimensions, front and depth, mm | 140x196 |
| Net weight, kg | 2.3 |
| Colour/Finish | White RAL9016 |
| Material | Aluminium with Stainless steel hardware |
| Mounting | Aluminium sliding bracket |



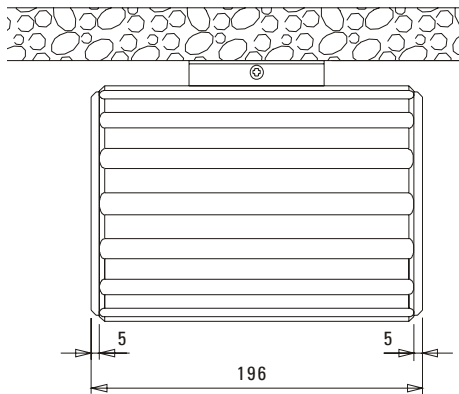
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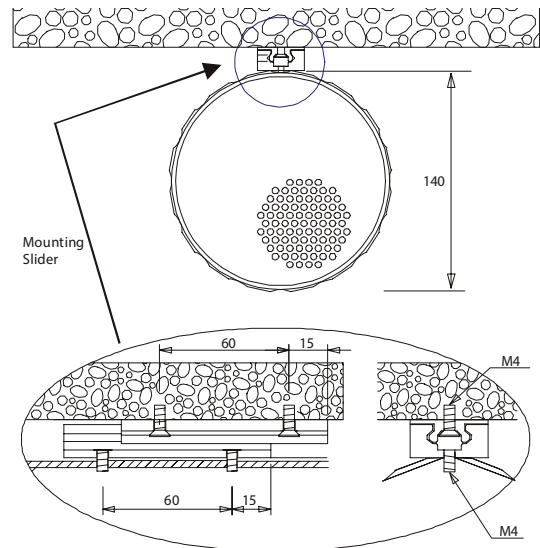
INSTALLATION GUIDE

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Side view
(unit: mm)



Front view
(unit: mm)



- 1) Remove the sliding bracket from the unit by using an Allen Key inserted into position "B" as shown on the above drawing.
- 2) Place the part of the bracket that you have just removed into the required mounting position and mark fixing holes and then fix (bracket only).

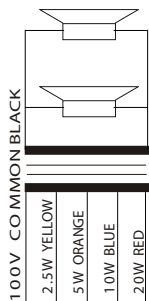
- 3) Select from the 5 core cable (position "A" on the drawing) the tapping required i.e. Example, Black wire = common and Red wire = maximum power.

Please ensure that the cable is connected to the correct terminals in your selected junction box and that no other connections from the loudspeakers are made. The unused transformer tapping must always be isolated from one another to avoid a short circuit.

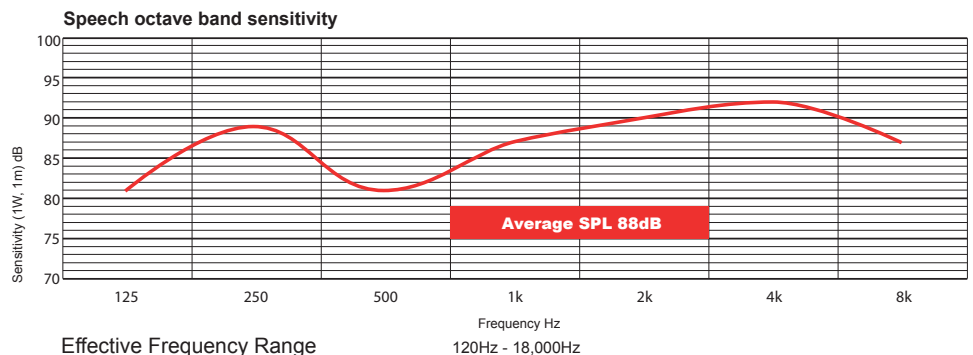
- 4) The loudspeaker is now in the position to be mounted onto the pre-mounted bracket previously fitted to your chosen position.

- 5) Before putting 100 volt line through the units it is advisable to check the impedance of the circuit.

- 6) On checking the line impedance the speaker is in an operational mode.



Circuit Diagram



Disclaimer: We reserve the right of changes and errors.



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