METAL SOUND PROJECTOR

CELL20T/ENC

This 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.

EN54-24:2008
0905-CPR-201105
TYPE B

● Standard	Compliant to EN54-24 Compliant to BS5839:8
● Electrical	
Rated power, Watts	20
Tappings 100 Volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms 100 Volt	500/1k/2k/4k
Tappings 70.7 Volt line, Watts	10/5/2.5/1.25
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	110-16.000
S.P.L. @ 1 m, 1 Watt, dB, Octave, 100 Hz-10 kHz	91
S.P.L. @ 1 m, Full power, dB, Octave, 100 Hz-10 kHz	104
S.P.L. @ 4 m, 1 Watt, dB, 1/3 Octave, 100 Hz-10 kHz	77
S.P.L. @ 4 m, Full power, dB, 1/3 Octave, 100 Hz-10 kHz	87
Dispersion at 1k/2k Hz, Degrees	208/123 Horizontal 210/121 Vertical
● Environmental	
IP Rating	66
Min/Max Ambient Temp	-25°C to 70°C
Relative Humidity	≤95%
● Mechanical	
Dimensions, front & depth, mm	Ø140 x 191
Net weight, kg	2.3
Colour (Unless Specified)	White, RAL9016
Material	Aluminium with Stainless Steel Hardware. Aluminium grill
Mounting	Aluminium U bracket
Safety	Ceramic Block Thermal Fuse Capacitor for DC line monitoring

ATEÏS Europe B.V.
Celsiusstraat 1, 2652 XN Lansingerland, Netherlands
Phone +31 (0)10 208 86 90, www.ateis-europe.com, info@ateis-europe.com

INSTALLATION GUIDE
CELL20T/ENC

EN54-24:2008
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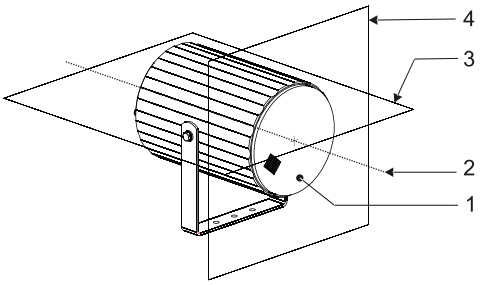
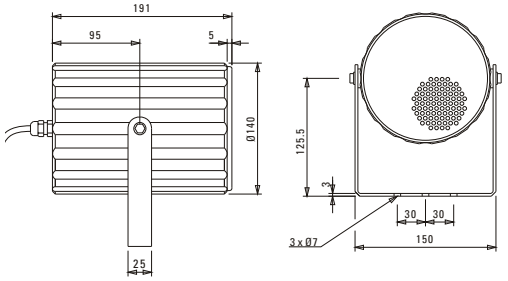
TYPE B

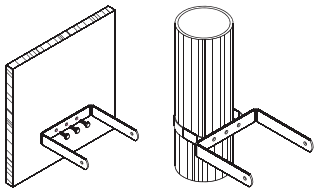


1. Loudspeaker enclosure
2. Reference axis
3. Reference plane
4. Horizontal plane

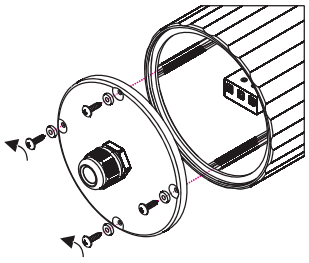


With Transformer:
100V/70V line

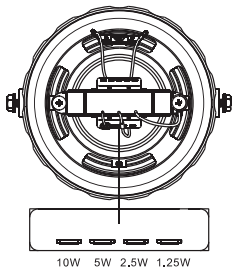
	White wire plus tapping				Black
100V	2.5W	5W	10W	20W	COM
70V	1.25W	2.5W	5W	10W	COM
IMP (Ω)	4K	2K	1K	500	



1) Remove the "U" bracket from the speaker. Align the bracket and mark the fixing points. Fix the bracket using suitable fixings (Not supplied).



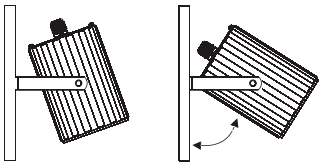
2) Remove the rear cover. The installation cable can be fitted via suitably rated glands into the 1 x 20 mm gland entries provided.



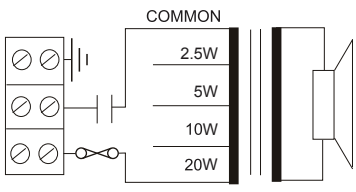
3) The cable can then be terminated into the terminal block fitted to the rear of the speaker. The terminals are suitable to take "loop in" "loop out" connections up to 2.5 mm per core.

4) Select the desired tapping.

5) Re-fit the rear cover ensuring that the gasket is in place and that the screw fittings are fitted with their rubber washers to ensure the rear cover retains its weatherproof rating.

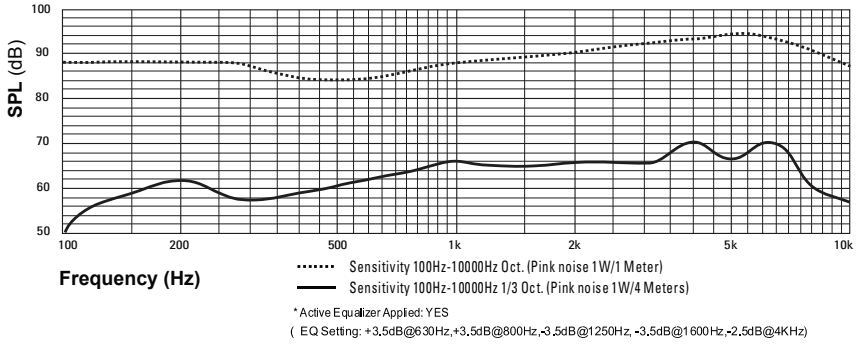


6) Re-fit the speaker to the "U" bracket. Position the speaker to the desired angle then tighten the fixings to secure in place.



Circuit Diagram

Frequency response



* Active Equalizer Applied: YES
(EQ Setting: +3.5dB@630Hz,+3.5dB@800Hz,-3.5dB@1250Hz, -3.5dB@1600Hz,-2.5dB@4KHz)

Disclaimer: We reserve the right of changes and errors.

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