



MOULDED SOUND PROJECTOR

CAD20/T

This weatherproof soundprojector offers a formally unbeatable combination of design and processing. The specially treated, high-quality housing with stylish shapes and compact dimensions is made of ABS components with integrated UV resistance. The loudspeaker is designed to be easy to mount thanks to the swivel-tilt U-bracket, and is suitable for railway stations, car parks, shopping centers, sports fields, etc. due to its weatherproof design.



| ● Electrical | |
|--|--|
| Rated power, watts | 20 |
| Tappings 100 volt line, watts | 20/10/5/2.5 |
| Transformer Impedance, ohms | 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) | 110-18,000 |
| S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10kHz | 91 |
| S.P.L. @ Full power, Octave Bandwidth dB | 104 |
| Acoustic Power (dB-PWL@1 watt) 1k/2k Hz, dB | 89/90 |
| Dispersion at 1k/2k Hz, Degrees | 180/120 |
| Directivity Axial Q factor, 1k/2k Hz | 2.6/5.6 |
| ● Environmental | |
| IP-rating | 66 |
| Min/Max amb temp | -25°C to 70°C |
| Relative humidity | ≤95% |
| ● Mechanical | |
| Dimensions, front & depth, mm | Ø 138x204 |
| Net weight, kg | 1.6 |
| Colour (Unless Specified) | White |
| Material | ABS Plastic with UV inhibitor and Stainless steel hardware |
| Mounting | Aluminium U bracket |

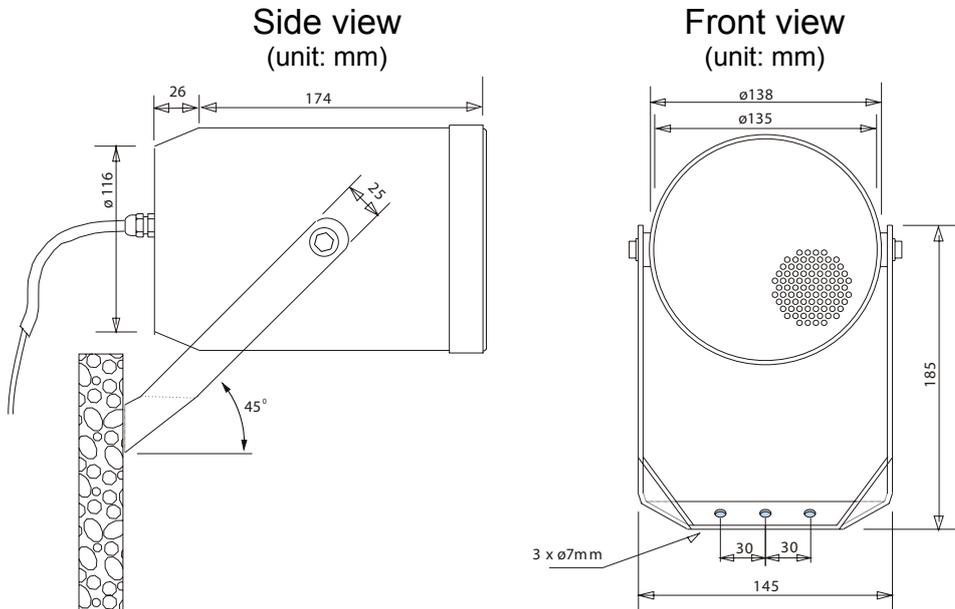


ATEIS Europe B.V.
 Celsiusstraat 1, 2652 XN Lansingerland, Netherlands
 Phone +31 (0)10 208 86 90, www.ateis-europe.com, info@ateis-europe.com



INSTALLATION GUIDE

CAD20/T



With Transformer:

100V/70V line

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

1) Drill the mounting location holes for the unit in line with the "U" bracket (2 holes 30 millimetres apart) in the surface where the loudspeaker is to be located.

2) Remove back lid of the unit if you have not requested our factory to fit the cable for you and connect input cable to the ceramic terminal block through the cable gland provided.

Important Note

Please ensure that the input cable is connected to the selected terminal inside the loudspeaker chamber and to no other connection, as the unused transformer tapings must always be isolated from one another.

Example: CAD20/T use the Black wire (common) and the red wire for 20 watt tapping.

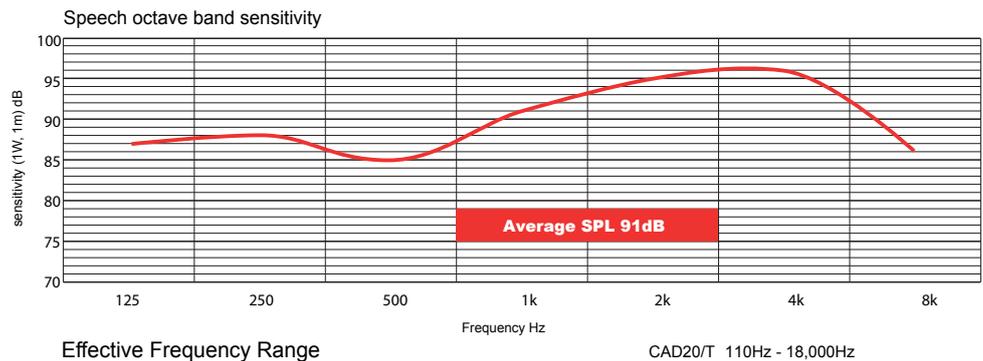
Use the Black wire (common) and the Blue for 10 watt, etc.

3) Secure the cable gland tightly, ensuring that all the rubber washers are in place for the fixing screws. You will observe that around the inner section of the chamber where the back lid was removed is a large rubber washer, please make sure that this is in-place when replacing the back lid.

4) Before connecting 100 volt line to the unit, it is advisable to check the impedance of the circuit.



Circuit Diagram



Disclaimer: We reserve the right of changes and errors.



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