

# CAD10T/EN



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.

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



|                                                         |                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------|
| ● <b>Standard</b>                                       | Compliant to EN54-24<br>Compliant to BS5839:8                             |
| ● <b>Electrical</b>                                     |                                                                           |
| Maximum power, Watts                                    | 15                                                                        |
| Rated power, Watts                                      | 10                                                                        |
| Tappings 100 Volt line, Watts                           | 10/5/2.5/1.25                                                             |
| Transformer Impedance, Ohms 100 Volt                    | 1k/2k/4k/8k                                                               |
| Tappings 70.7 Volt line, Watts                          | 5/2.5/1.25/0.625                                                          |
| Driver impedance, Ohms                                  | 8                                                                         |
| Effective Frequency Range, Hz (BS EN60268-5)            | 110-18k                                                                   |
| 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     | 101                                                                       |
| 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 | 85                                                                        |
| Dispersion at 1k/2k Hz, Degrees                         | 206/111 Horizontal 219/115 Vertical                                       |
| ● <b>Environmental</b>                                  |                                                                           |
| IP-rating                                               | 66                                                                        |
| Min/Max amb temp                                        | -25°C to 70°C                                                             |
| Relative humidity                                       | ≤95%                                                                      |
| ● <b>Mechanical</b>                                     |                                                                           |
| Dimensions, front & depth, mm                           | Ø 138x204                                                                 |
| Net weight, kg                                          | 1.3                                                                       |
| Colour (Unless Specified)                               | White, RAL9016                                                            |
| Material                                                | Low smoke zero Halogen UL94V0 Plastic with UV inhibitors. Aluminium grill |
| Mounting                                                | Stainless Steel U Bracket                                                 |



# INSTALLATION GUIDE

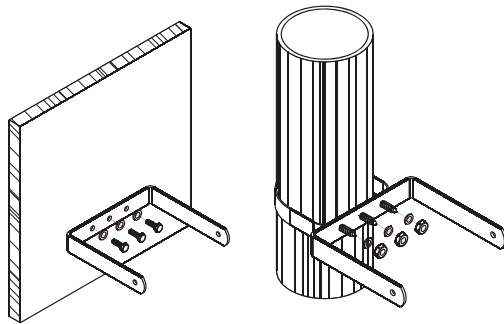
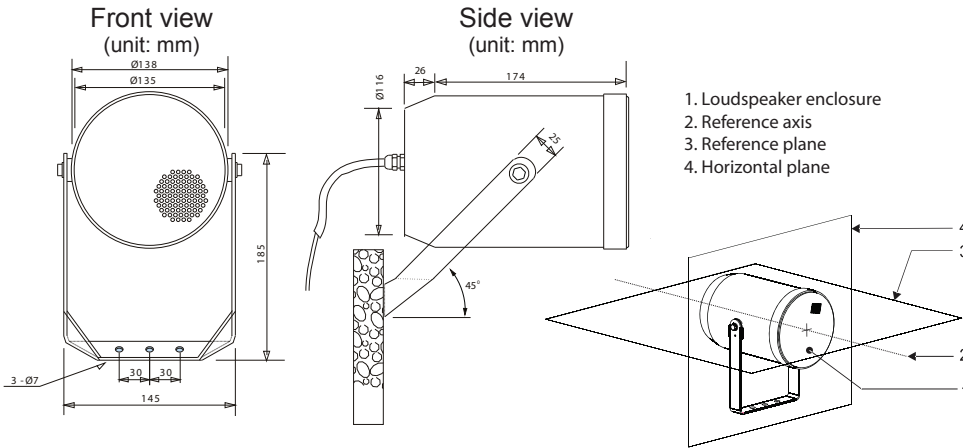
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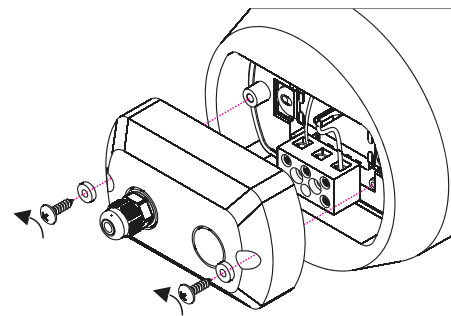
With Transformer:

100V/70V line

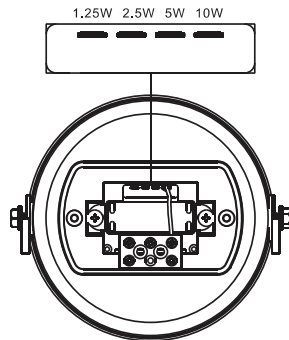
|         | White wire plus tapping |       |      |     |  | Black |
|---------|-------------------------|-------|------|-----|--|-------|
| 100V    | 1.25W                   | 2.5W  | 5W   | 10W |  | COM   |
| 70V     | 0.625W                  | 1.25W | 2.5W | 5W  |  | COM   |
| IMP.(Ω) | 8K                      | 4K    | 2K   | 1K  |  |       |



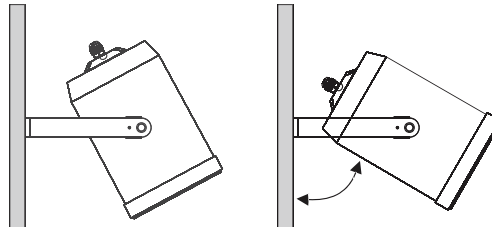
1) Remove the "U" bracket from the speaker. Align the bracket and mark the fixing points. Fix the bracket using suitable fixings (Not supplied).



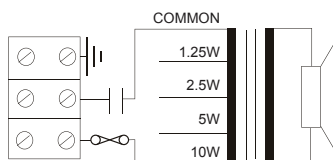
2) Remove the rear cover. The installation cable can be fitted via suitably rated glands into the 2 x 20mm gland entries provided.



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 2.5mm 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.

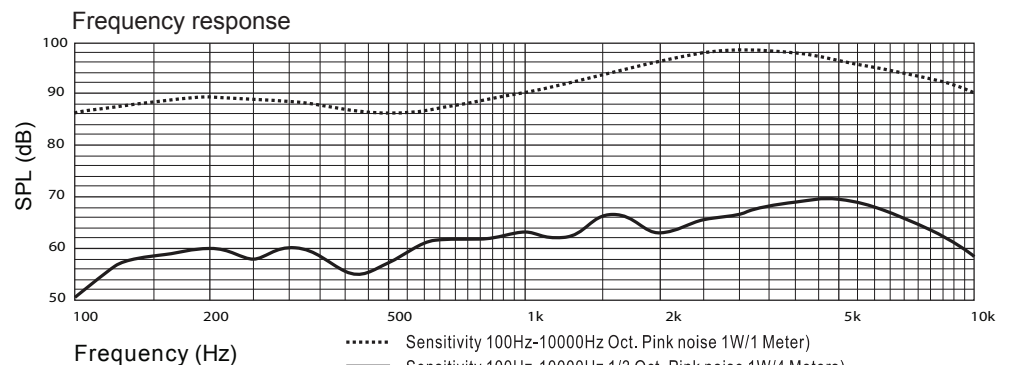


6) Re-fit the speaker to the "U" bracket. Position the speaker to the desired angle then tighten the fixings to secure in place.



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Circuit Diagram



..... Sensitivity 100Hz-10000Hz Oct. Pink noise 1W/1 Meter)  
— Sensitivity 100Hz-10000Hz 1/3 Oct. Pink noise 1W/4 Meters)

\*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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