

# PBC10TCX/ENC



The PBC10TCX/ENC is a wall-mounted speaker which looks stylish and elegant with its innovative design. It is delivered in a 10 watt two way version and has an excellent bass-height ratio. This results in an excellent reproduction of speech and music as well as a very pleasant sound and a very clean understandability. The effortless and easy installation of this speaker via a hidden attachment. Your areas of application represent spaces in which value design and outstanding. Sound quality is placed, such as bars, restaurants, hotels, reception rooms, representative rooms, doctors' offices waiting rooms, offices, etc.



**EN54-24:2008**

**0905-CPR-201109**

**TYPE A**

|                                                         |                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------|
| ● <b>Standard</b>                                       | Compliant to EN54-24<br>Compliant to BS5839:8                     |
| ● <b>Electrical</b>                                     |                                                                   |
| 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)            | 80-20.000                                                         |
| S.P.L. @ 1 m, 1 Watt, dB, Octave, 100 Hz-10 kHz         | 89                                                                |
| S.P.L. @ 1 m, Full power, dB, Octave, 100 Hz-10 kHz     | 99                                                                |
| S.P.L. @ 4 m, 1 Watt, dB, 1/3 Octave, 100 Hz-10 kHz     | 81                                                                |
| S.P.L. @ 4 m, Full power, dB, 1/3 Octave, 100 Hz-10 kHz | 86                                                                |
| Dispersion at 1k/2k Hz, Degrees                         | 132/96 Horizontal 169/96 Vertical                                 |
| ● <b>Environmental</b>                                  |                                                                   |
| IP Rating                                               | 21                                                                |
| Min/Max amb temp                                        | -10°C to 55°C                                                     |
| Relative Humidity                                       | ≤95%                                                              |
| ● <b>Mechanical</b>                                     |                                                                   |
| Dimensions, WxHxD mm                                    | 330 x 240 x 90                                                    |
| Net weight, kg                                          | 1.15                                                              |
| Colour (Unless Specified)                               | White, RAL9016                                                    |
| Material                                                | Low smoke zero Halogen UL-94V0 Plastic with UV inhibitors         |
| Mounting                                                | Keyhole and/or screws                                             |
| Safety                                                  | Ceramic Block<br>Thermal Fuse<br>Capacitor for DC line monitoring |





PENTON

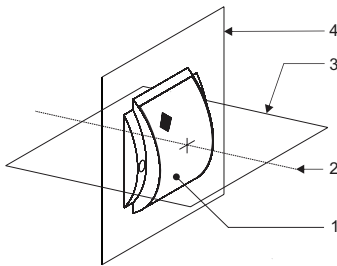
# INSTALLATION GUIDE

## PBC10TCX/ENC

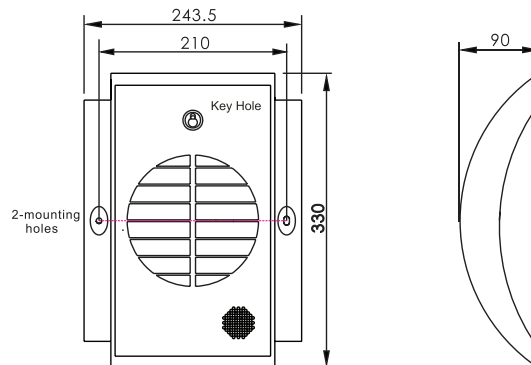
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TYPE A

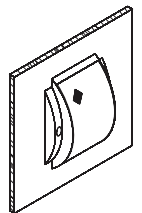
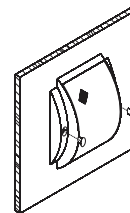
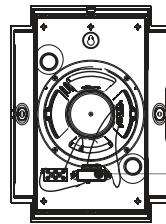
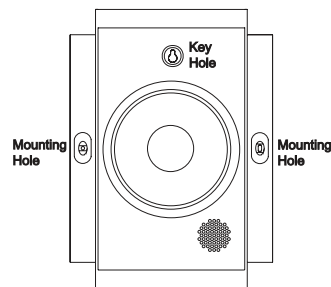
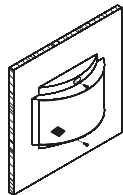
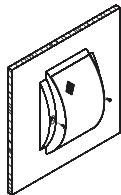


1. Loudspeaker enclosure
2. Reference axis
3. Horizontal plane
4. Reference plane



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  |       |



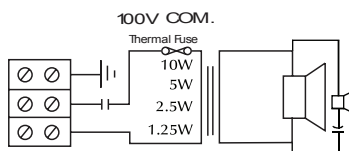
1) On selecting the chosen position for the loudspeaker (it can be mounted vertically or horizontally) use a spirit level to ensure that it is level. Offer the speaker to the wall or ceiling and mark through the mounting holes, as shown on the drawing to the right, the position required for drilling.

2) Drill 2 holes 210 mm apart and then raw plug them.

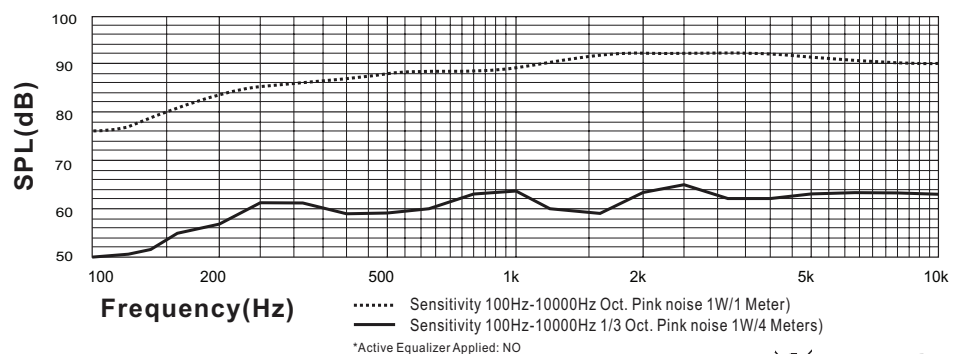
3) Cabling can now take place, connect the 100 volt line supply to your required volume as shown on the circuit diagram.

4) With the cable in place the speaker can be screwed through the mounting holes into position. Once in position the two mounting hole caps can be put in place to hide the offending screw heads. There is also provided a key hole mounting plate, as shown on the drawing, this can only be used if the loudspeaker is wall mounted and in a vertical position.

### Frequency response



Circuit Diagram



\*Active Equalizer Applied: NO

Disclaimer: We reserve the right of changes and errors.



ATEiS Europe B.V.

Celsiusstraat 1, 2652 XN Lansingerland, Netherlands

Phone +31 (0)10 208 86 90, [www.ateis-europe.com](http://www.ateis-europe.com), [info@ateis-europe.com](mailto:info@ateis-europe.com)

