

Description

The induction loop adapter is designed to convert the amplifier L100V output to a signal capable to be adapted to an induction loop installation covering up to 250 m2 per module. It is possible to connect different modules to one single amplifier in order to provide an induction loop for different rooms.

This solution enables to users using hearing aids and within the mentioned area to properly listen to any announcements or music broadcasted by the amplifier itself. These users may set their hearing devices to the T mode (Telecoil) to be able to receive the signal coming from the induction loop.

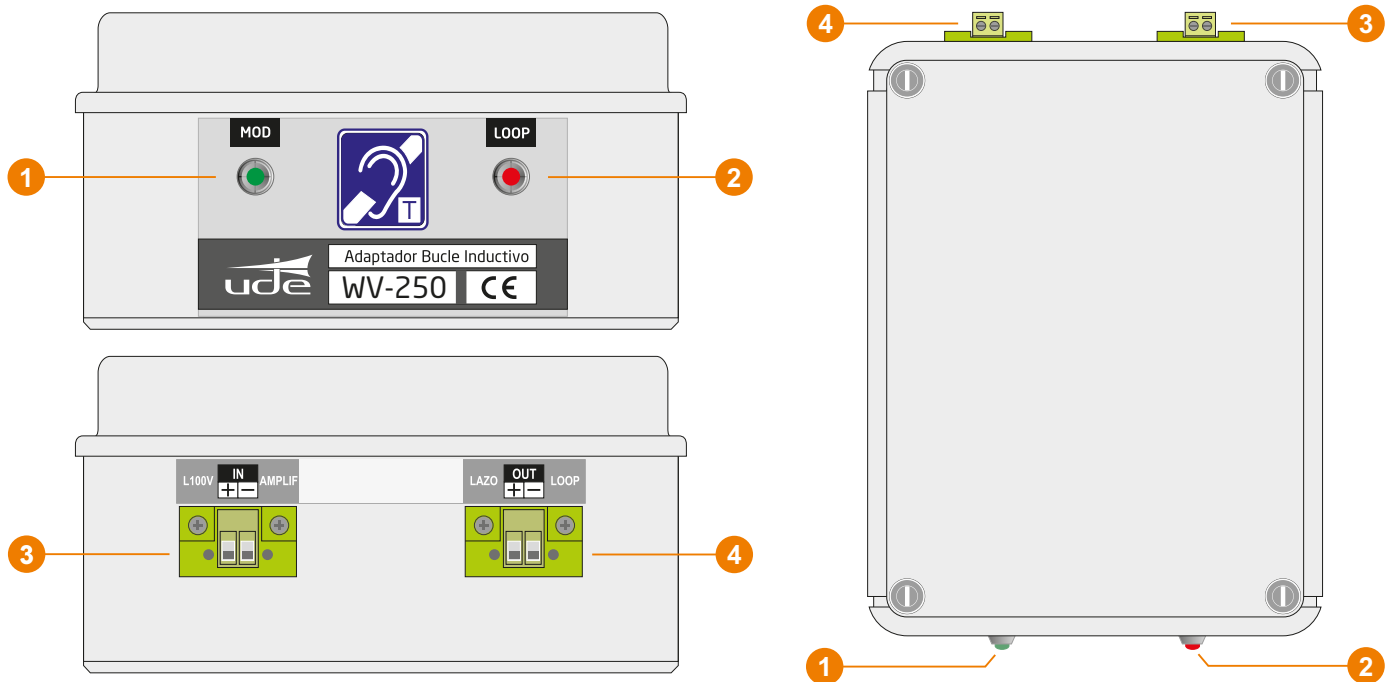
The main advantage of this system is that the users can receive the audio signal in perfect conditions avoiding any reverberation or ambient noise that often can cause intelligibility problems

- Allows the possibility to adapt a conventional amplifier to the induction loop system or induction loop by using a current transformer.**
- Adjustable output loop level from the amplifier by using its output volume control.**
- Allows the possibility of connecting multiple adapters to the same amplifier in order to expand the perimeter or to provide an induction loop for independent rooms as well. It is required a minimum of 40W amplifier for each loop. If we need to connect up to 3 loop adapters it is required a 120W amplifier.**
- Allows integration with systems complying with UNE-EN 60118**

Technical characteristics

Consumption (maximum):	40W (over L100V).
Loop RMS Current (maximum):	2.5A.
Area covered (maximum):	250 m2. Depending on the type of construction this area may be reduced.
LED indicators:	LOOP, MOD
Dimensions:	154 x 200 x 80 (mm).
Connections:	Terminal blocks.
Cable section (loop and audio) (*):	1.5 mm ² (maximum).
Weight:	1,6 Kg.
Operating temperature:	-10°C to +70°C
Storage temperature:	-20°C to 85°C
Relative humidity:	<95%

(*) Note: Loop or audio cable not provided



1 MOD indicator led

The MOD (Modulation) Led Indicator will turn red according to the signal's modulation or variation that is received by the amplifier. This indicator will activate even if the magnetic loop is not closed. However, if the amplifier to which the WV-250 is connected to is switched off, the indicator will not activate.

2 LOOP indicator led

The LOOP Led indicator will turn green when the loop has been successfully connected to the amplifier and is working properly. If the amplifier is switched off or it is not broadcasting any audio signal, the LOOP led indicator will remain deactivated.

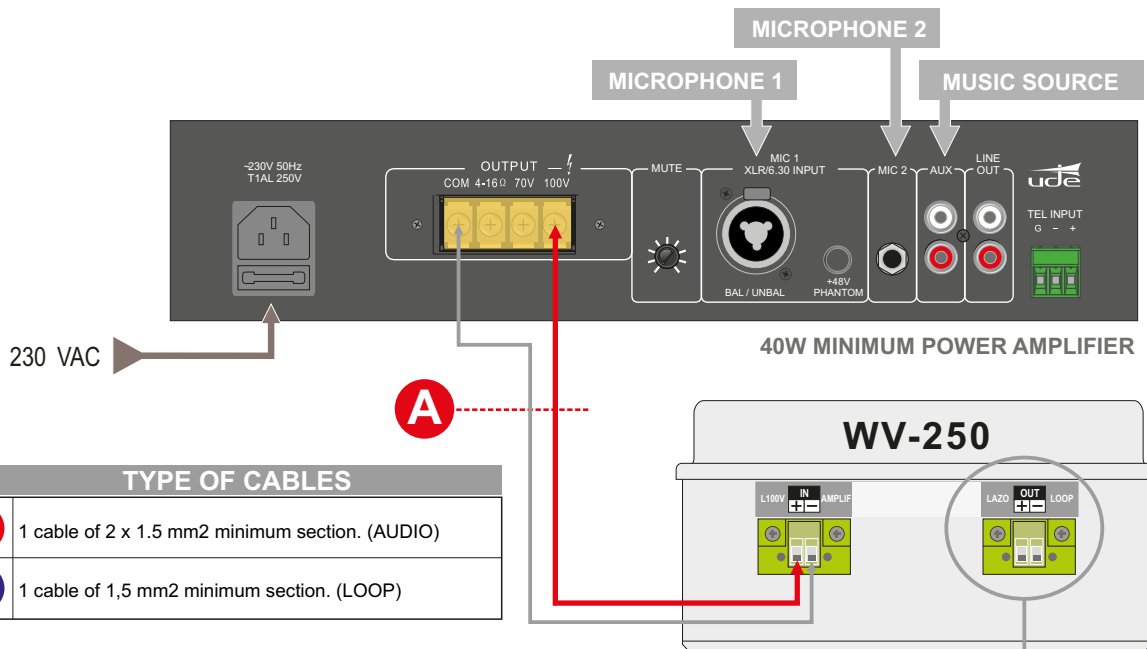
3 INPUT Terminal block

Terminal block to connect the L100V output of the amplifier.

4 OUTPUT Terminal block

Terminal block to connect the induction loop

Installation diagram



TYPE OF CABLES	
A	1 cable of 2 x 1.5 mm ² minimum section. (AUDIO)
B	1 cable of 1,5 mm ² minimum section. (LOOP)

B

IMPORTANT:

- The induction loop cable installation must be done along the perimeter within the installation area indicated (H).
- It is recommended for the induction loop installation to use tube or PVC gutter (never use a metal conduit).
- The inductive loop adapter WV-250 must be located as close to the loop as possible.
- The induction loop must be installed away from any electrical installation.
- To overlay or to cross the loop cables must be avoided at all times in any location of the perimeter.
- For applications such as multiple or adjacent rooms please CONTACT UDE for the induction loop design required in order to optimize results.

MAXIMUM AREA TO BE COVERED 250 m²

