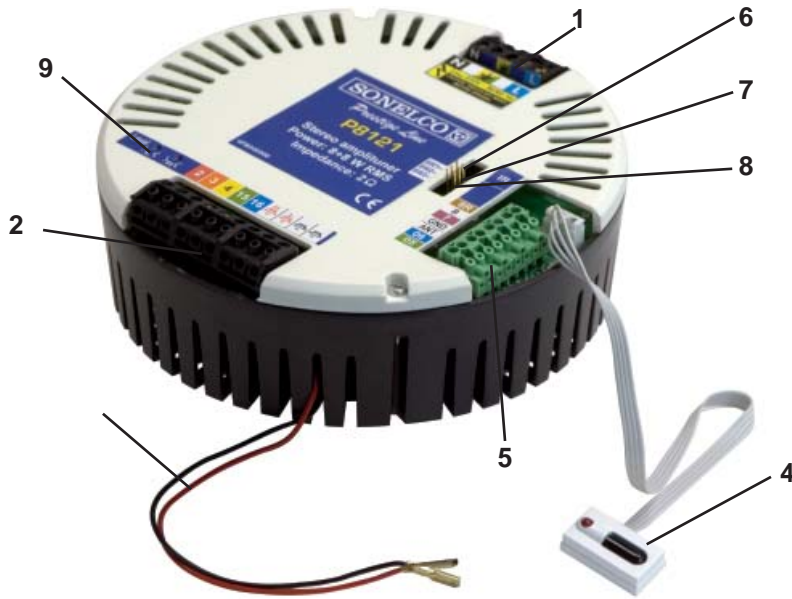


4FA035901

STEREO AMPLITUNER / 4"- Power supply at 230V - P8121



- 1 – Connection terminal strip to 230V power supply.
- 2 – Connection terminal strip with audio input.
- 3- cabling +/- for direct connection to loudspeaker.
- 4- Infrared receiver.
- 5- Auxiliary connection and notification terminal strip.
- 6 -“SW1” switch for switching on by means of line (3 way connection terminal strip for audio input).
- 7 – “SW2” Switch for AUTO –ON.
- 8 “SW3” switch of audio auxiliary input for slave amplifiers / amplituners.
- 9 - Potentiometers for the regulation of audio level.

For built-in installation, use P4905 built-in box:
 Ø145 mm hole.
 Minimum depth needed: 85 mm.

DESCRIPTION

A unit consisting of an 8+8 W RMS / 2 Ohm stereo amplifier and a power supply with direct connection to the 230V power supply network, a FM stereo tuner and an infrared receiver for the control of the P4803 remote control (sold separately). It also includes the reception of notifications and calls.

GENERAL CHARACTERISTICS

- 25W and 16V DC power supply included
- 16V DC /200 mA power supply output for connection of other auxiliary modules.
- 8+8W / 2 Ohm (RMS) audio output
- Less than 1% distortion
- IR infrared control.
- Audio processor, includes volume, bass, treble, super bass and ideal sound control.
- 2 audio channels (1 auxiliary + FM internal tuner).
- FM internal tuner with 30 memories.
 - Sequential frequency search
 - Memory advance or reverse.
 - Search for direct memory (from 1 to 7).
 - Storage of memories: manual or automatic; 3 frequency search levels (low, medium, high).
 - Terminal strip for the connection of outside aerial.
- Reception of general and area call.
- Memory of the last volume, bass, acute, channel and radio station set.
- Auto On for amplituner when applying 230V in the installation (selectable by means of **SW2** switch).
- Remote switch on by means of connection to detectors, switches, controls, etc, applying between 12 and 16 DC by means of terminal 3 of the terminal strip (selectable by means of **SW1** switch).
- Operation as master of other self-powered amplifiers, other amplifiers or amplituners.
 - On/off of self-supplied slave amplifiers by means of terminal 3 of the terminal strip.
 - Transmission of the audio channels available (Auxiliary Channel / Tuner/ notification audio) – both from the left and the right, although the amplituner is mono, to other self-powered slave amplifiers by means of terminals 05, 06 of the terminal strip, of a fixed or regulated level. (select by means of **SW3** switch)
- **Fixed level mode:** The channel selected in the master amplituner is transmitted (Auxiliary channel, tuner or notification audio) with a fixed line output volume level (2V RMS). (select by means of **SW3** switch).

- **Regulated level mode:** The channel selected in the master amplituner is transmitted (Auxiliary channel, tuner or notification audio) with a regulated level of output volume, bass, treble. These levels are adjustable from the master by means of the P4803 IR infrared remote control. (Factory default mode.)

CONNECTION

The connection to the 220/230V power supply shall be carried out with 1 mm² diameter wires at least, with double insulation.

TERMINALS

- L : Phase (220/230V AC)
- N : Neutral (220/230V AC)
- ⊕ : Earth (protection conductor)
- 2 : Positive - 16V DC supply output
- 3 : ON/OFF control output
- 4 : Negative – Supply earth
- 15 : Audio signal left input
- 16 : Audio signal right input
- ⊕ : R - Right + loudspeaker output
- ⊕ : L - Left + loudspeaker output
- ⊕ : - loudspeaker output
- ⊕ : - loudspeaker output
- 05 : Left output - auxiliary/tuner/notification channel
- 06 : Right output - auxiliary/tuner/notification channel
- 8 : Area selection input. Connect to the corresponding Zx area wire (in the case of area notification)
- 9R : General call input. Connect to wire 9 (in the case of wishing to receive general calls)
- 7 : Notification audio input
- ANT : External aerial input
- GND : Aerial earth
- IR : Infrared receiver connection terminal strip.



IMPORTANT NOTE: Before connecting this amplifier to the Mains electricity power supply the Mains Switch should be disconnected in order to allow the connection with all the safety measures. Under no circumstances should it be handled whilst connected to the power supply. Make sure that the earth connection is correct.

EASY INSTALLATION



The P8121 amplifier is directly installed on the SONELCO 4" loudspeakers using an adhesive strap.



For the installation with 2", 5", 8" Loudspeakers or speakers, the amplifier can be installed separately.



TECHNICAL CHARACTERISTICS

Supply nominal voltage: 230V AC
 Maximum power consumption: 150 mA.
 Stand-by consumption: < 40 mA
 Power: 8+8W / 2 Ohm; d<1%
 Power: 5+5W / 4 Ohm
 Signal/noise ratio: 58 dB's
 Response in frequencies: 25 Hz- 22 KHz (-3 dB)
 Sensitivity: 1.4 V
 2/4 terminal strip power: 200 mA – Voltage: 16V DC.
 3/4 terminal strip amplifier switching on: 12-16V DC.
 Thermal and surcharges protections in the audio outputs

Dimensions: Ø140 x 75 mm
Weight: 300 gr.

INSTALLATION EXAMPLES

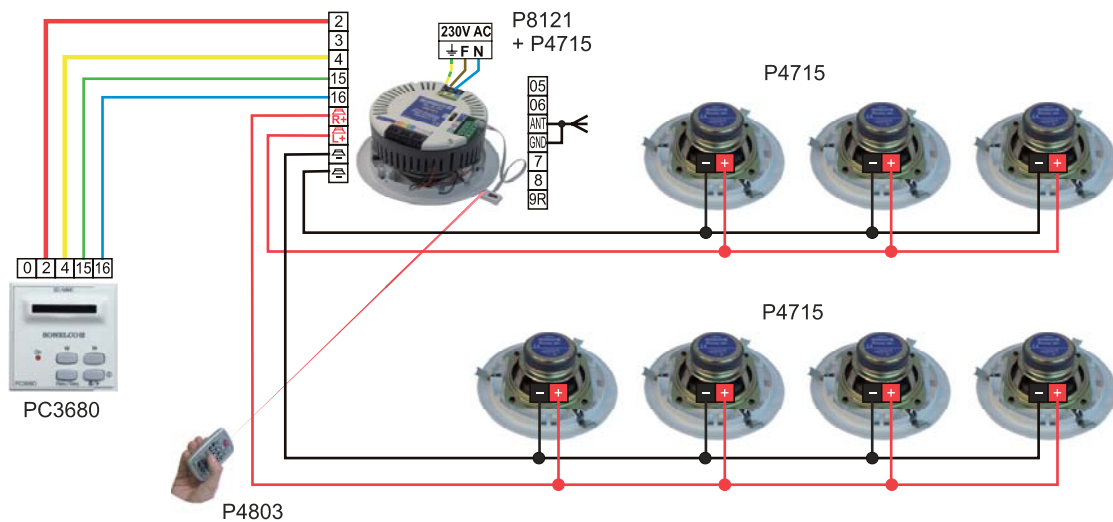
4" loudspeaker combinations with amplifier stereo P8121/ 8 + 8W / 2 Ohm

	MODEL OF LOUDSPEAKER USED			
	P7140 - P7150 (4Ω)	P4715 - P7141 (8Ω)	P4716 (16Ω)	P4718 (32Ω)
Max. number of loudspeaker per amplifier	4 (*2)	8	16	32
RMS power by loudspeaker	4 (*5) W	2 W	1 W	0,5 W

Note: (*) With two P4716 / p7150 loudspeakers 5W per point can be obtained. The connection shall be in parallel.

In all the cases, the amplifier with a loudspeaker can be installed built in the P4905 box or in a suspended ceiling.

These amplifiers can be installed with other types of SONELCO loudspeakers or baffles, the above combinations being valid, providing that they have the same impedances and that the loudspeakers have the necessary power supply.



The P8121 amplifiers can be combined with audio sources as an external optional channel. In this case a possible source of sound is a PC3680 MP3 player.

For the adjustment and control the P4803 remote control can be used.