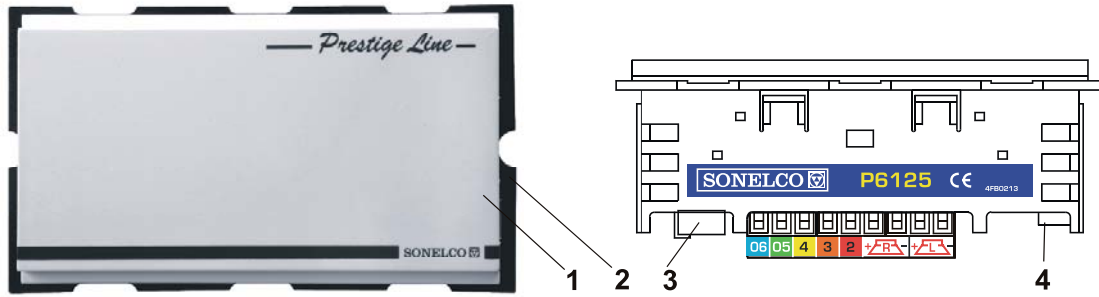


4FA014101

5+5 W/4 Ohm AMPLIFIER - P6125



1- Front. 2 - Circuit support. 3 - Level adjustment. 4 - Amplifier

DESCRIPTION

5+5W/4 Ohm stereo amplifier to be installed in Sonecco flush-mount box P4901. It has independent adjustment potentiometers to regulate sound level of the left and right channel. It can be connected with a 5 W/4 Ohm baffle or speaker, or combinations of both, in parallel, with 4 Ohm impedance, and 5W power or greater.

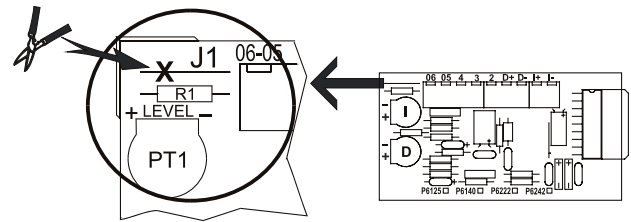
TECHNICAL CHARACTERISTICS

Rated supply volt. (V2): 16V DC
 Maximum current consumption (I2): 1.1 A
 Consumption without signal (I2): 90 mA.
 Terminal 3 (With bridge J1 cut):
 -Minimum ignition volt. (V3): >8.5V.
 -Current consumption (I3): 10 mA
 Power: 5 +5 W, d< 0.5%
 Sensitivity: 1.5V
 Frequency response: 30 Hz -20 kHz (-3dB)
 Signal/Noise ratio: >70 dB
Dimensions: 106x59x43
Weight: 86 gr.

CONNECTION

TERMINALS

- terminal 2 : + 16V supply
- terminal 3 : Supply input + 16V See Note (*)
- terminal 4 : Ground
- terminals 05 and 06 : Audio input left and right
- terminals I+, I- : Output +, -, for left channel
- terminals D+, D- : Output +, -, for right channel



(*) **Note:** Terminals 2 and 3 are connected internally in this amplifier with bridge J1, which we can cut, if we wish, permitting two connection modes.

J1 not cut (see example "a"): the supply can be connected indifferently to terminal 2 or 3.

J1 cut (see example "b"): terminal 2 acts as supply input and terminal 3 acts as ignition control.

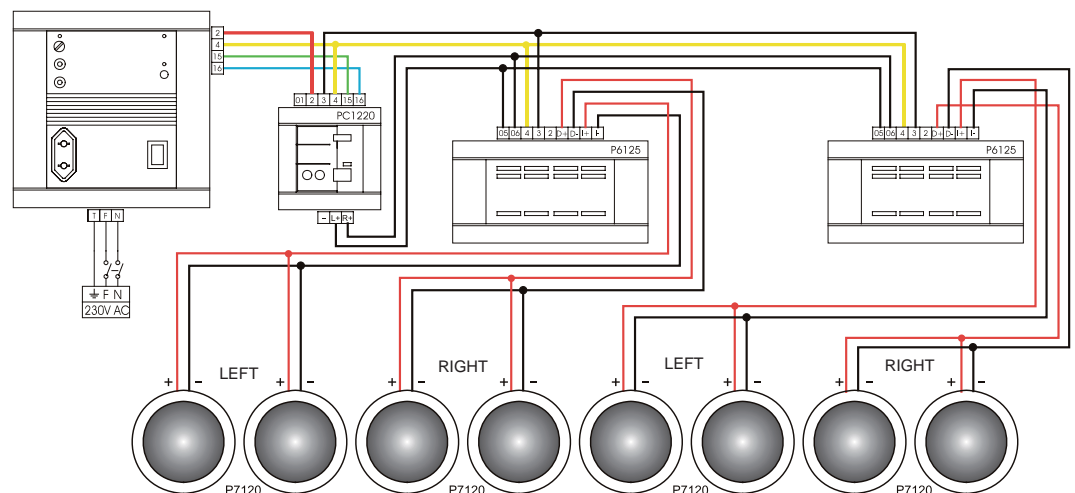
INSTALLATION EXAMPLES

a) Installation 1 stereo music channel. Example for areas with 2 amplifiers P6125, with one single control. (Bridge J1 not cut). Connection to control by four wires, terminals 3, 4, 05 and 06 (See diagram 1).

In this type of connection the whole amplifier consumption is obtained through terminal 3, **and it is only recommended when a maximum of 2 amplifiers are connected to the control.** One single control is able to provide current for 2 amplifiers P6125, estimating that for music+messages, the average consumption of an amplifier is 715mA. (65% of the maximum).

The diagram shows an installation of 1 stereo music channel with two amplifiers P6125. 4 speakers P7120 (4" 8 Ohm), have been connected to each amplifier, two to the left channel and two the right one (placed in parallel, so the assembly has an impedance of 4 Ohm). These speakers can be flush-mount in box or in false ceiling. With this combination we can obtain 2.5W power per sound point. As can be seen in diagram 1, the amplifiers are connected with four wires connected to terminals 3, 4, 05 and 06 and the baffles are connected to terminals I+,I- (left channel) and D+,D- (right channel).

Diagram 1. 1 stereo channel. Room with two amplifiers. (8 2.5W sound points)



Note: The control or the main unit could be any from the Prestige series. Do not forget to place the mono/stereo switch of the control in stereo position.

INSTALLATION EXAMPLES

b) Installation 1 stereo music channel. Example for areas with more than 2 amplifiers (P6125) with one single control. (Bridge J1 cut). Connection with five wires. Terminals 2, 3, 4, 05 and 06. (See diagram 2)

If you wish to control more than 2 amplifiers with one single control, bridge J1 will have to be cut in all of them. See Note (*) in "CONNECTION" section.

In this case, unlike the above, the amplifiers are supplied by wire 2 from the line, and wire 3, from the control, acts as control for the internal electronic switch of the amplifier. One more wire is used for the installation, but the no. of amplifiers desired can be controlled with one single control.

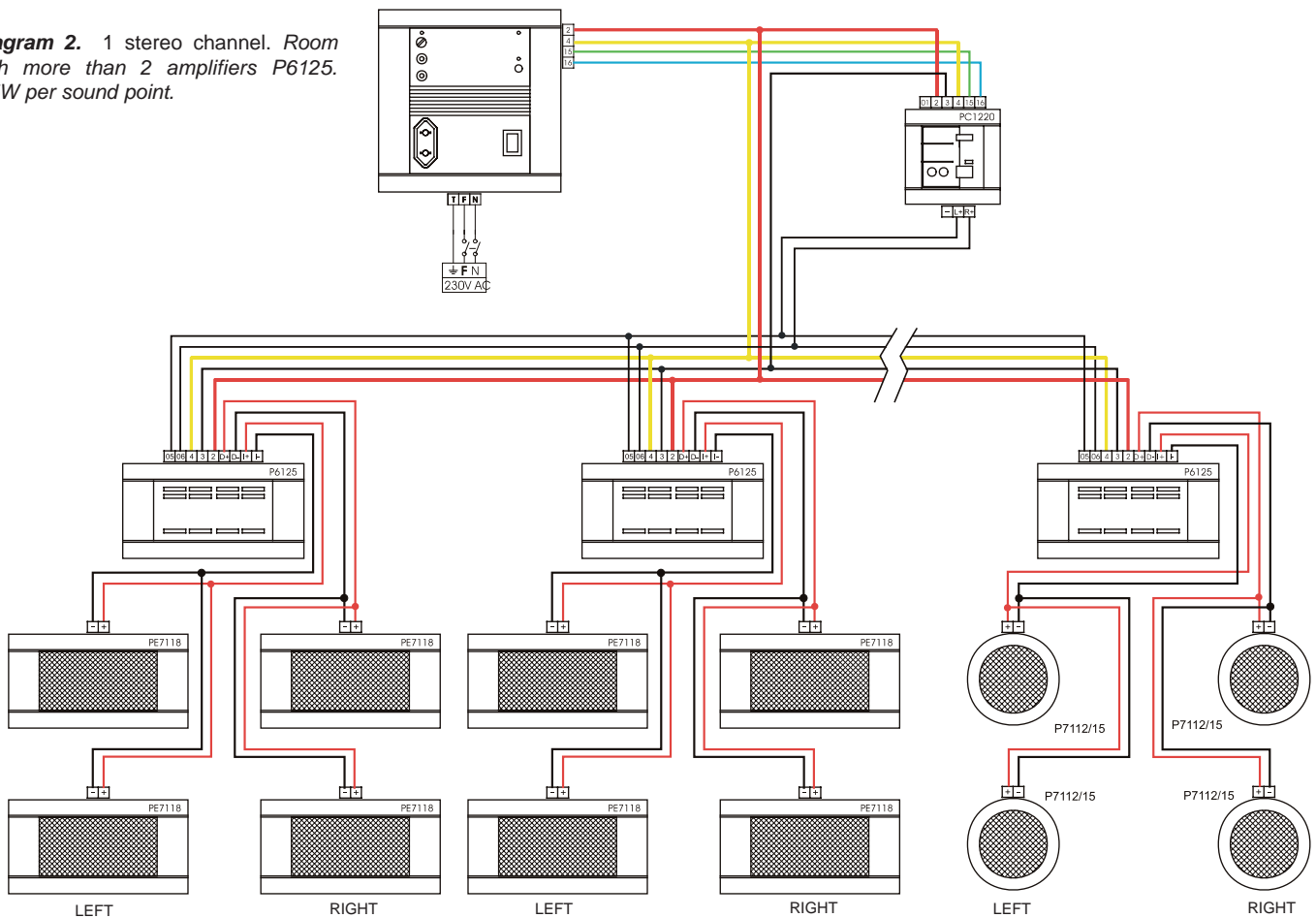
As can be seen in diagram 2, the amplifiers are connected with five wires, connected to terminals 2, 3, 4, 05 and 06.

This diagram shows an installation with 1 stereo music channel and more than 3 amplifiers P6125. 2 speakers PE7118 placed in parallel, (which represents an impedance of 4 Ohm) have been connected to each channel of the first 2 amplifiers, and flush-mount ceiling speakers P7112/15, also with 8 Ohm, have been connected to the third amplifier, as an example. Each speaker will give a maximum of 2.5W, (5W per channel of each amplifier) (See Note 2).

The diagram is given as an installation example but the main idea is that each amplifier channel can be connected to any passive baffle or speaker with 4 Ohm/5 W, or a combination of both in parallel, which represents the 4 Ohm impedance with 5W power or greater. A larger number of amplifiers may be fitted but always bearing in mind the power of the unit installed, which in our case is P3261.

Note 2: The P7112/15 speakers have 8 Ohm, with a rated power of 2W, and maximum of 5W. Therefore, although the rated power admitted per speaker is exceeded in the example by 0.5 W, we can consider that the average power provided with music and messages will not exceed this limit.

Diagram 2. 1 stereo channel. Room with more than 2 amplifiers P6125. 2.5W per sound point.



Note 3: The control or the unit could be any from the Prestige series. Do not forget to place the mono/stereo switch of the control in mono position.