

- 1- Sensitivity adjustment
- 2- Connecting strips
- 3- "J1" bridge. See note (*) "CONNECTION" section.

DESCRIPTION

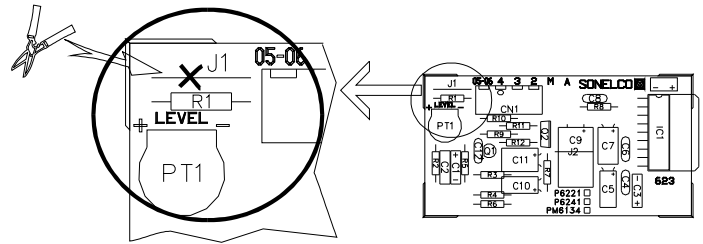
The active speaker P6242 is an amplified diffuser that supplies top quality sound. It is comprised of a 10W (mono) wide band amplifier, with treble and bass reinforcement and an 8" double cone speaker. It permits the adaptation of different types of grilles and can be flush-mounted in box Mod. P4903 or in false ceiling, with the built-in clamps.

The sound level of the active speakers can be adjusted with the sensitivity adjustment potentiometer (1) to adapt the sound level to the different characteristics of the rooms, or to compensate a sound point which can be heard more or less than the others. They are factory pre-set at an intermediate level, which need not be touched in the majority of the cases.

CONNECTION

TERMINALS

- terminal 2: +16V supply
- terminal 3: Supply input +16V. See Note (*)
- terminal 4: Ground
- terminal 05/06: Audio input



(*) Note:

Terminals 2 and 3 are connected internally in the amplifier circuit of the active speaker 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. (Bridge J1 not cut). Connection to control by three wires, (terminals 3, 4, 05 and 06).

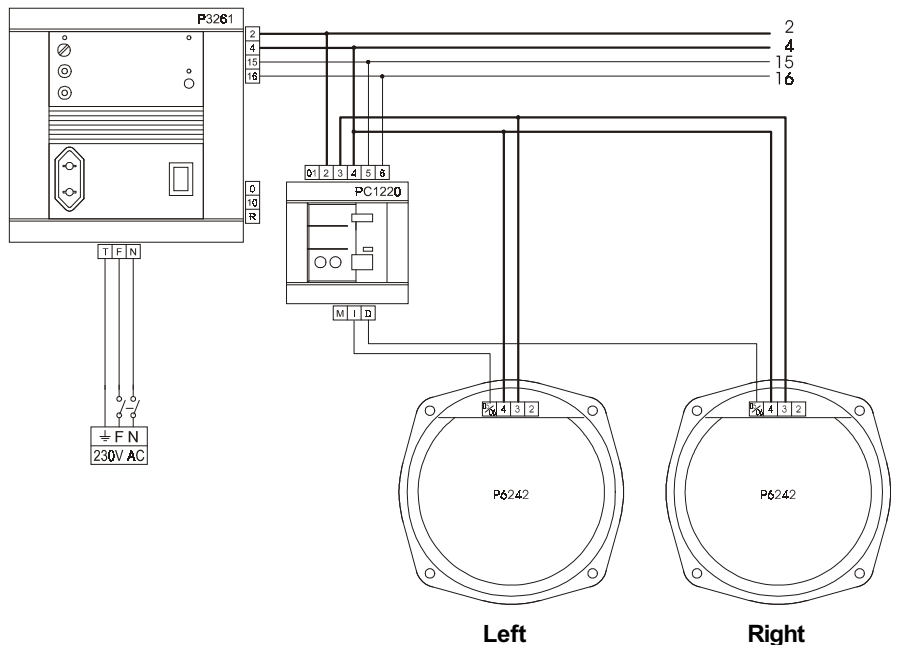
The connection to the control with three wires **is recommended when a maximum of 2 amplifiers are connected to the control.**

This is due to the fact that the whole consumption of the active speaker is obtained through terminal 3 of the control, and one control alone is able to provide current to supply 2 active speakers, estimating that for music + messages, the average consumption of an active speaker is 715mA. (65% of the maximum).

The diagram shows stereo installation, with 2 active speakers, one for the left-hand channel and the other for the right-hand one.

Note: The control could be any other from the Prestige series. Do not forget to place the Mono/Stereo switch of the control in Stereo position.

Diagram 1. Installation of 1 stereo music channel



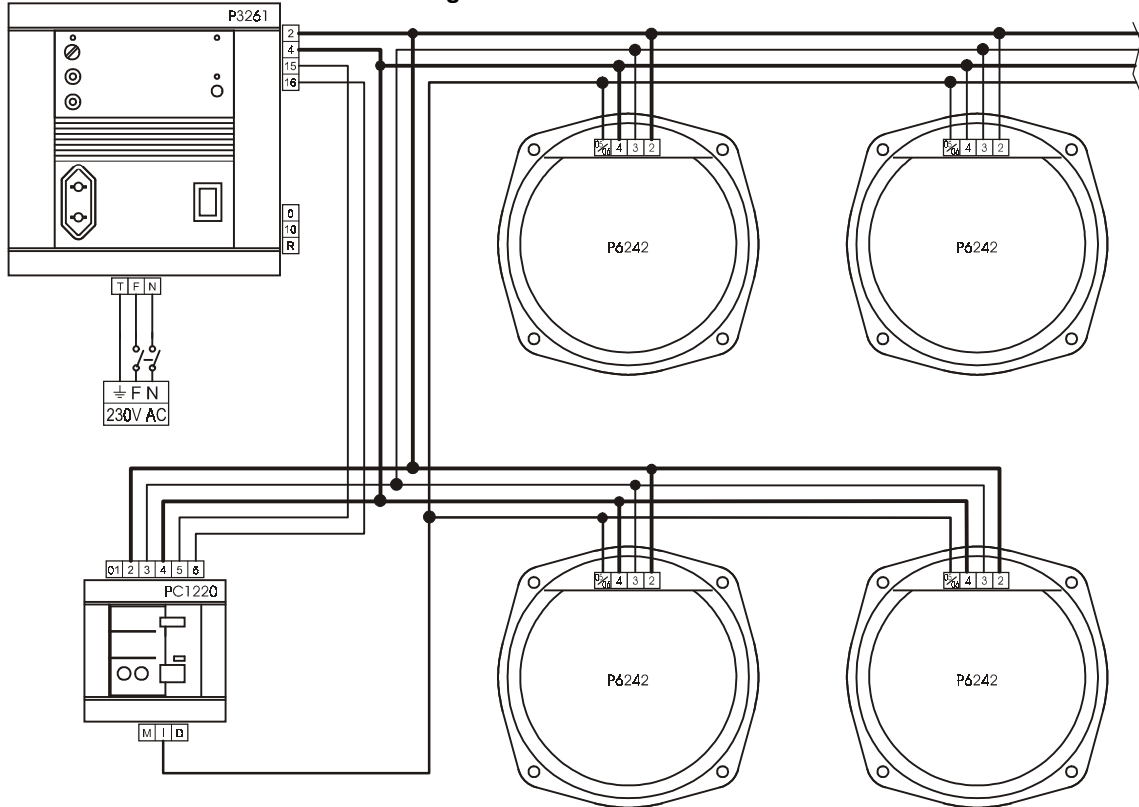
b) Installation 1 Mono music channel

(Bridge J1 cut). Connection with four wires. (Terminals, 2, 3, 4 and 05/06). (See diagram 2)

If you wish to control more than 2 active speakers, with one single control, the connection to the control must be made with four wires, and we must cut bridge J1 of the amplifier circuit of the active speaker in all of them, see Note (*) in "CONNECTION" section. In this case, unlike the above, the active speakers are supplied by wire 2 from the unit, 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 of the active speakers, but the no. of amplifiers desired can be controlled with one single control (depending of course on the power of the unit or power supply source that supplies the installation).

The diagram shows a mono 1-channel installation with four active speakers P6242 connected to a control PC1220.

Diagram 2. Installation of 1 mono music channel



Note: The control or unit could be any from the Prestige series. Do not forget to place the control in Mono mode.

GRILLE ASSEMBLY

After installing the active speaker, fit the grilles according to the instructions sheet "Fastening active speakers and speakers" supplied with the grilles.

The grilles are supplied separately, in fig. 1 P4951-01 and in fig. 2 P4952-01 and P4953-11.

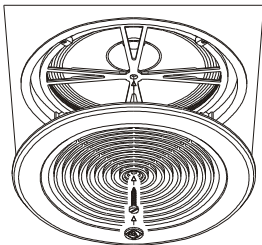


Fig.1

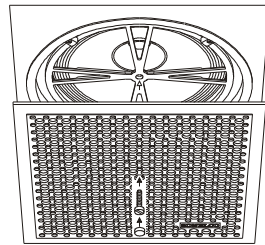


Fig.2

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: 10 W, d<1%
- Sensitivity: 1.7V
- Signal/Noise ratio: >65dB
- Equalising to reinforce bass and treble.
- Dimensions: ø 245 x 92 mm.
- Weight: 900 grams
- Flush-mount hole diameter 235 mm
- Depth: 95 mm.