

- 1 - Adhesive label to secure assembly to loudspeaker
- 2 - Wires for connection to loudspeaker terminals
- 3 - Connector strips
- 4 - Sensitivity adjustment
- 5 - "J1" bridge. See Note (*) in "CONNECTION" section

DESCRIPTION

Amplifier for 8" loudspeakers, which can supply 8W over a load of 2 Ohm. It comes in the same plastic support as the ceiling units, but without a loudspeaker, so that several different loudspeaker and power combinations can be created.

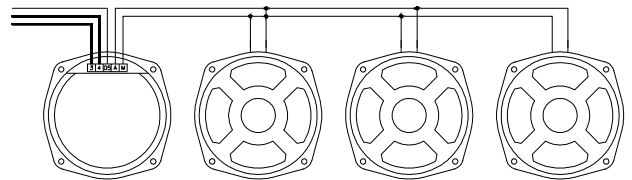
The amplifier's sound level can be controlled by the sensitivity adjustment potentiometer.

As an example, the enclosed table shows some possible combinations and the watts per sound point that would be obtained.

		NUMBER OF LOUSPEAKERS							
		1	2	3	4	5	6	7	8
MODEL	P4711	1 x 5W	2 x 4W	—	—	—	—	—	—
	P4712 P7125	1 x 3W	2 x 2,5W	3 x 2W	4 x 2W	—	—	—	—
	P4713	1 x 1W	2 x 1W	3 x 1W	4 x 1W	5 x 1W	6 x 1W	7 x 1W	8 x 1W

ASSEMBLY

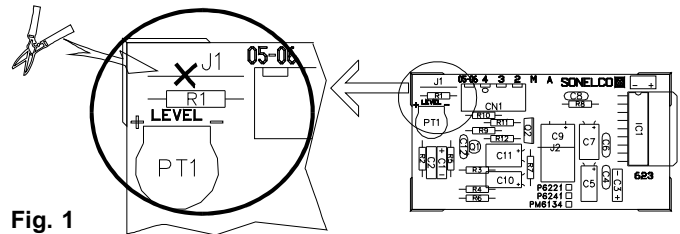
The amplifier is attached to one of the loudspeakers in order to form a ceiling speaker-like assembly which can be fitted onto the ceiling. **First, the Red and Black wires are connected to the loudspeaker's + and - terminals; next, the amplifier is firmly attached to the loudspeaker magnet with the supplied special adhesive that is on its inner part. The remaining loudspeakers are to be connected in parallel to terminals A and M which are on the connecting strip.** The connection of this assembly is identical to that of a simple ceiling loudspeaker.



CONNECTION

TERMINALS

- terminal 2 – Power supply + 16V
- terminal 3 - Input power supply + 16V. See Note (*)
- terminal 4 - Ground
- terminals 05/06 - Audio input
- terminals A and M - Output for set of loudspeakers to be connected in parallel.
- Red and black wires - Audio output to be connected to the + and - terminals of the 8"loudspeaker, on top of which the amplifier is placed.



(*)Note: This amplifier comes with terminals 2 and 3 internally connected via the J1 bridge, which may be optionally cut and allows the possibility of two methods of connection.

With J1 uncut (see example "a"): the power supply may be connected to either one of the terminals 2 or 3.

With J1 cut (see example "b"): terminal 2 acts as power supply input and 3 as the power on-off control.

EXAMPLES OF INSTALLATION/DEMONSTRATIONS

a) Installation 1 stereo music channel. (J1 bridge uncut). Connection to control unit via three cables (Terminals 3,4 and 05/06).

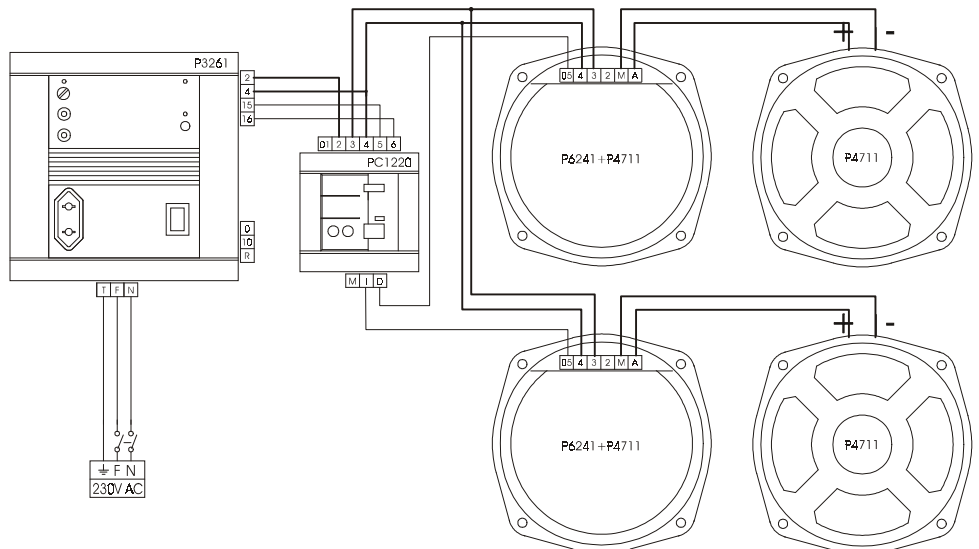
With this type of connection, all of the amplifier's power is obtained through terminal 3 of the control unit, and it is recommended that a maximum of 2 amplifiers are connected to the control.

One control can only supply enough power for 2 amplifiers, (estimating that with music + announcements, the amplifier's power consumption is only 65% of its maximum).

The diagram shows an installation of 1 stereo channel with two amplifiers, one for the right channel and one for the left, to which two P4711 (8"/4 Ohm) loudspeakers have been connected, thus obtaining 4W per sound point, 16 W in total.

Note: The control unit could be any one of the Prestige series. Do not forget to set the mono/stereo control switch to the stereo position.

Diagram 1 . Installation of 1 stereo music channel, 4 sound points of 4W each.



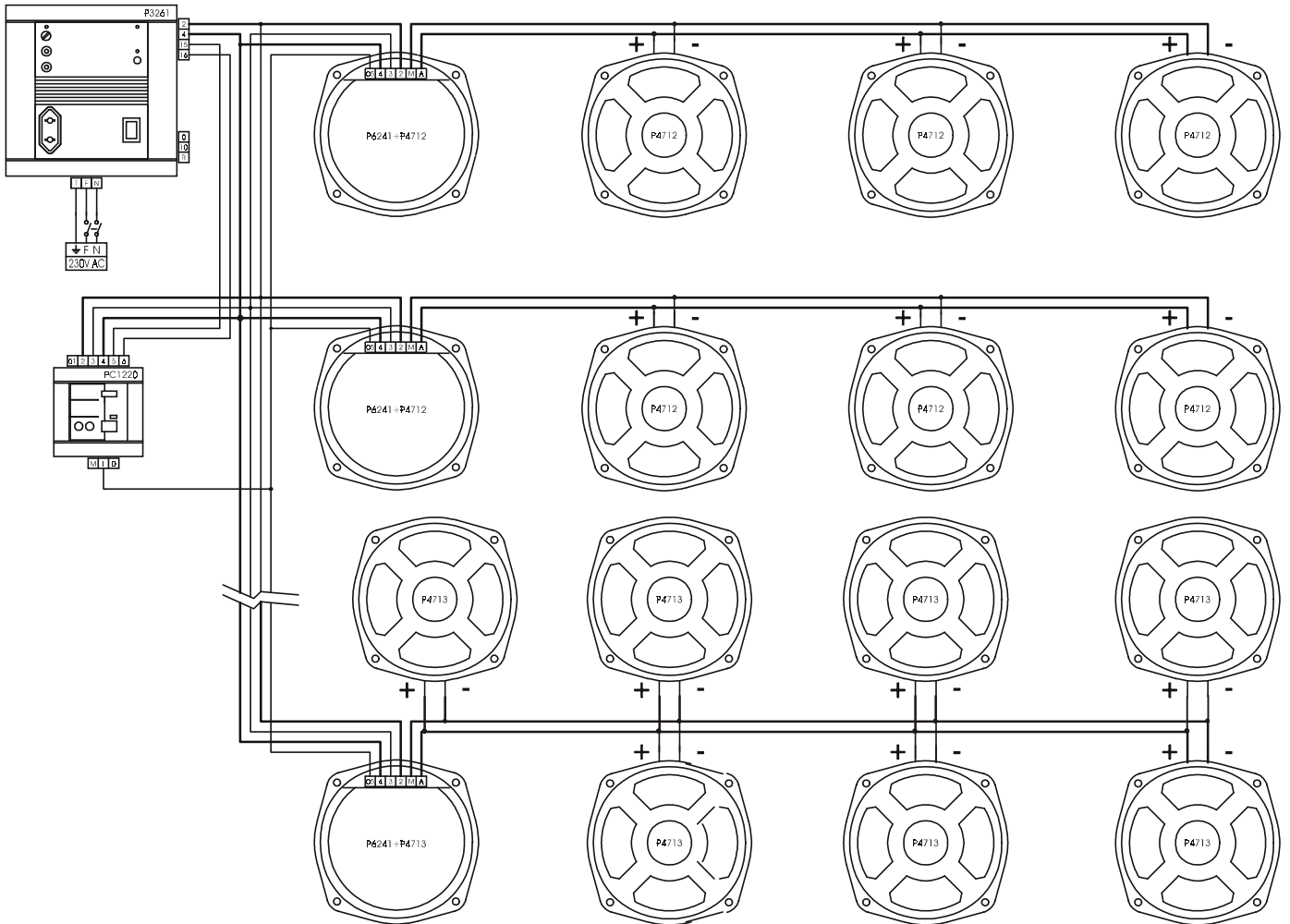
b) Installation 1 mono music channel.

(J1 bridge cut). Connection via four wires (Terminals 2, 3, 4 and 05/06).

In the event that with only one control unit, one wishes to operate more sound points, and we need to use more than 2 amplifiers, it would be necessary to use four wires to connect the amplifier, and we should cut bridge J1 in all the circuits of the amplifiers that we install. (Fig. 1 "CONNECTION" section). Here, unlike in the previous case, the amplifier's power input is obtained via wire 2 coming from the control unit, and wire 3 coming from the control unit acts as the amplifier's internal electronic control switch. In order to install the amplifiers, one more wire is needed, although with just one control, it is possible to operate as many amplifiers as wished, depending, that is, on the power of the control unit or power source from where the installation gets its power supply.

The diagram shows a mono installation of one channel with 3 amplifiers, 2 of which are connected to 4 P4712 (8"/8 Ohm) loudspeakers, with an output of 2W per sound point, and a third amplifier with eight P4713 (8"/16 Ohm) loudspeakers, with an output of 1 W per sound point. (See Table).

Diagram 2. Installation 1 mono music channel



Note: The control unit could be any one of the Prestige series. Do not forget to set the Mono/Stereo control switch to the Mono position.

TECHNICAL SPECIFICATIONS

- Rated input voltage (V2): 16V DC
- Max. power consumption (I2): 1A
- Consumption without signal (I2): 54 mA
- Terminal 3 (with J1 bridge cut):
 - Min. volt. with power on (V3) >7V.
 - Power consumption (I3): 1.5 mA.
- Output: 8W, d<1%
- Sensitivity: 1.5V
- Frequency response: 75Hz - 18 Khz (-3dB)
- Signal-to-noise ratio: >55 dB
- Dimensions: \pm 190 x 41 mm
- Weight: 120 gr.

GRILLE ASSEMBLY

After installing the amplifiers and loudspeakers, place the as indicated in the instruction leaflet "Attachment of wall and ceiling loudspeakers" supplied with the grilles.

The grilles are shown separately, in fig. 2 (P4951-01) and in fig. 3 (P4952-01 and P 4953-11).

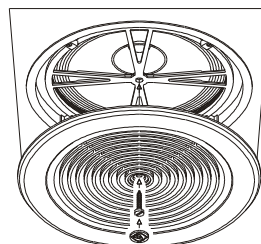


Fig.2

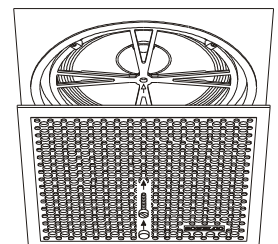


Fig.3