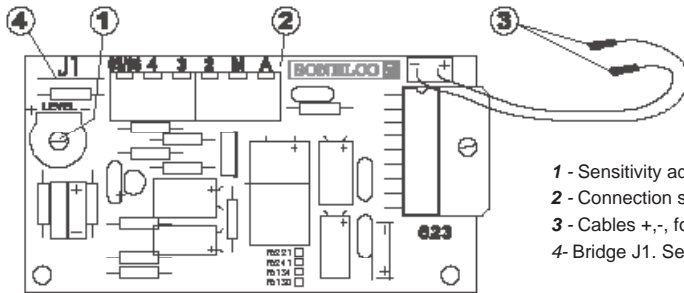


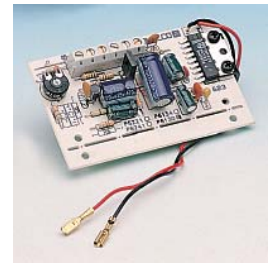
4FA014401

8W/2 Ohm AMPLIFIER - P6130

To be installed on 4" loudspeakers



- 1 - Sensitivity adjustment
- 2 - Connection strip
- 3 - Cables +,-, for loudspeaker connection
- 4- Bridge J1. See note (*) in section "CONNECTION"



DESCRIPTION

A Monophonic amplifier of up to 8 w on a load of 2 Ohm. for connection to 4" passive loudspeakers. Direct connection for one loudspeaker, and connector for parallel connection of more loudspeakers. It is supplied as a separate unit to be directly attached to the loudspeaker's plastic support with the two screws and nuts included. This enables a variety of loudspeaker and power combinations (see attached table) The sound level of the amplifier can be controlled by the sensitivity adjustment potentiometer.

ASSEMBLY

The Mod. P6130 amplifier is supplied as a separate unit since it can only be installed with loudspeaker models P7140, P4714, P4715 or P4716. For its correct assembly, we recommend that you carry out the following steps:

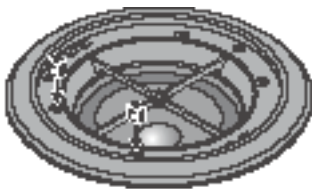


Fig. 1

Fig. 1 - Insert the two supplied rectangular black nuts in the rectangular recesses provided in the grille. Four recesses for nuts are located on the front part of the grille, enabling the installation of up to two printed circuits. This model of amplifier should be installed using the two recesses which are located furthest from the retaining clip which is centrally located between two recesses.

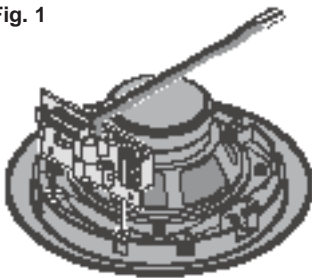


Fig. 2

Fig. 2 - Turn the loudspeaker-grille assembly upside down. Insert the circuit as indicated in the figure, with the connecting strip outward until it fits in the slot provided in the grid. In some cases it may be necessary to gently press the radiator towards the circuit so as not to damage the loudspeaker's housing.

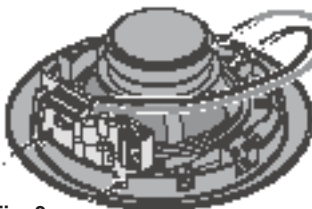


Fig. 3

Fig. 3 - Using the supplied screws, screw the circuit to the grille. Connect the cables to the loudspeaker, paying attention to the correct polarity (Red = +, Black = -)

The resulting assembly is similar to a ceiling lamp and may be fitted into the ceiling. Other loudspeakers should be connected in parallel to terminals A and M which are located on the connection strip.

CONNECTION

The amplifier allows for the connection of 1 to 8 loudspeakers to be used in areas of up to 160 m². The first loudspeaker is directly connected to the amplifier by means of some tiny built-in wires.

The remaining additional loudspeakers are connected in parallel to the amplifier via the connecting strip provided for that purpose. The following table enables you to choose the most appropriate loudspeaker combination for connection to this amplifier.

Number of loudspeakers	loudspeaker models	TOTAL POWER OBTAINED (w)	SOUND POINT POWER (w)	MAXIMUM LISTENING AREA (m ²)	APPLICATION
1	P4714/P7140	5	5	20	Music and Announc. - High level
2	P4714/P7140	8	4	40	Music and Announc. - High level
1	P4715	3	3	20	Music and Announc. - High level
2	P4715	5	2,5	40	Music and Announcements
3	P4715	6,5	2,15	60	Music and Announcements
4	P4715	8	2	80	Music and Announcements
1	P4716	1,5	1,5	20	Music and Announc. - Low level
2	P4716	3	1,5	40	Music and Announc. - Low level
3	P4716	4	1,3	60	Music and Announc. - Low level
4	P4716	5	1,25	80	Music and Announc. - Low level
5	P4716	5,75	1,15	100	Music and Announc. - Low level
6	P4716	6,5	1,08	120	Music and Announc. - Low level
7	P4716	7,25	1,03	140	Music and Announc. - Low level
8	P4716	8	1	160	Music and Announc. - Low level

TERMINALS

- terminal 2 - Power Supply + 16V
- terminal 3 - Power input + 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 plughead - Audio output to be connected to + and - terminals of the 8" loudspeaker on top of which the amplifier is placed.

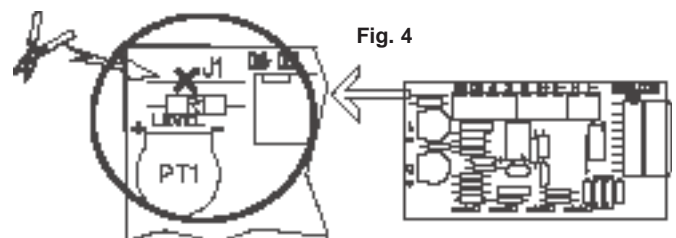


Fig. 4

(*) Note: This amplifier comes with terminals 2 and 3 joined internally by means of a bridge J1, which can be cut to allow for two methods of connection.

With J1 uncut (see example "a"): power input may be connected to either terminal 2 or 3.

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

INSTALLATION EXAMPLES

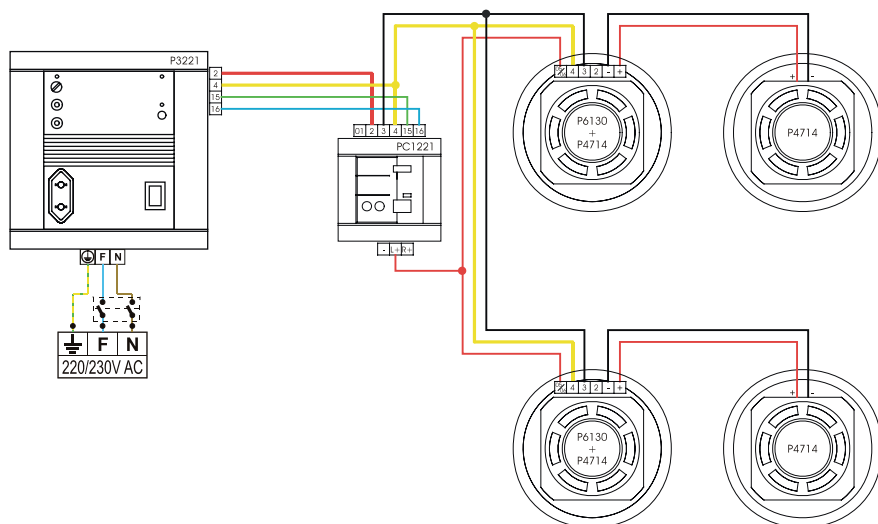
a) Installation 1 mono music channel. Example for areas with 2 amplifiers (P6130) with one control only. (J1 bridge uncut). Connection to control via three wires. (See diagram 1).

In this type of connection, all power of the amplifier is obtained via terminal 3 of the control, **and this method of connection is only recommended with a maximum of 2 amplifiers connected to the control.**

One control is only capable of supplying the current needed to drive two P6130 amplifiers, estimating that for music + announcements, the average consumption is of 65% of the maximum.

In the diagram, an installation with two P6130 amplifiers is shown, each one being connected to two 4 Ohm passive loudspeakers (P4714/P7140) with which 4W per sound point can be obtained. As seen in diagram 1, the amplifiers are connected by means of three wires connected to terminals 3, 4 and 05. It is possible to use any of the combinations of loudspeakers shown in the table, using the power indicated per sound point.

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



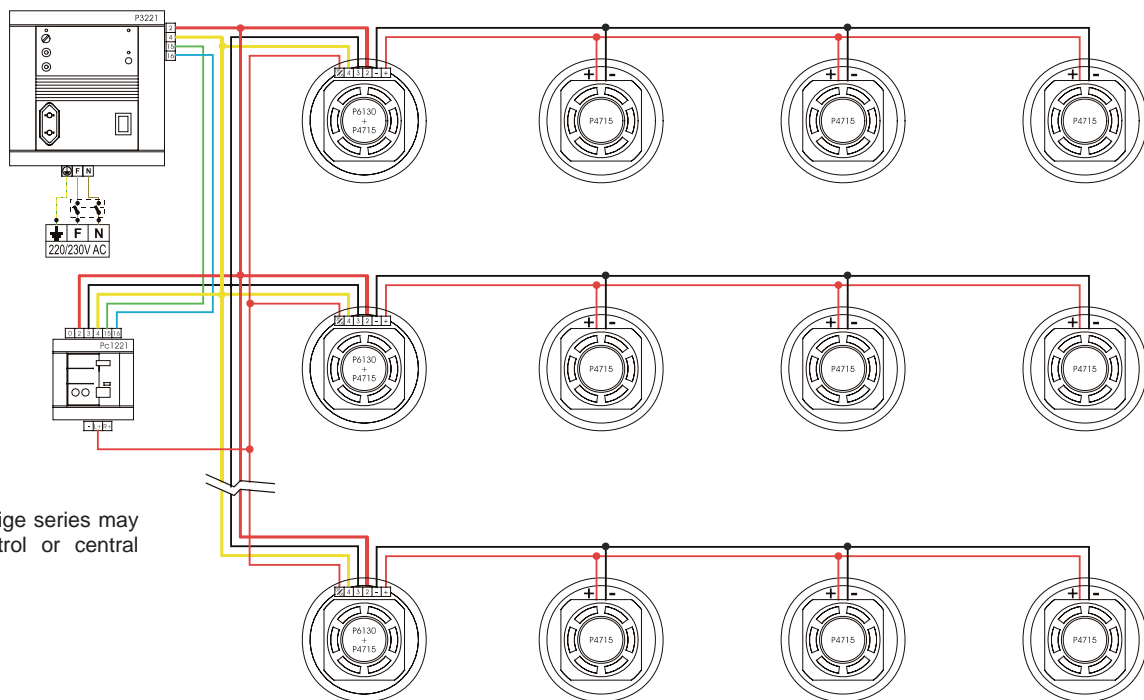
b) Installation 1 mono music channel. Example for areas with more than 2 amplifiers P6130 with one control only. (J1 bridge cut). Connection via four wires. (See diagram 2)

In the case where with only one control one wishes to operate more sound points, then more than two amplifiers should be used, and it would be necessary to cut the J1 bridge in all of them. See Note (*) in the "CONNECTION" section.

Here, unlike in the previous case, the power supply for the amplifiers comes from wire 2 of the line, while wire 3 coming from the control acts as the amplifier's internal electronic switch control. An extra wire is used for this installation, but it is possible to operate all of the amplifiers desired with just one control.

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

As an example, diagram 2 shows the installation of 1 mono music channel with three P6130 amplifiers, each one connected to 4 P4715 4"/8 Ohm loudspeakers placed in parallel, which could produce 2W per sound point (See Table 1). A greater number of amplifiers could be used with a different combination of loudspeakers connected to each amplifier, as shown in the table, always bearing in mind the power of the central control unit, the P3271 in this case.



Note: Any of the Prestige series may be used as the control or central control unit.

TECHNICAL CHARACTERISTICS

Rated input voltage (V2): 16V DC
 Max. power consumption (I2): 1A
 Consumption without signal (I2): 54mA
 Terminal 3 (with bridge J1 cut):

- Min voltage with power on (V3) >7V
- Power consumption (I3): 1.5mA.

Output: 8W, d<1%
 Sensitivity: 1.5V
 Frequency response: 75Hz - 18 KHz (-3dB)
 Signal-to-noise ratio: > 55 dB
 Dimensions: 83x43x24
 Weight: 40 gr.