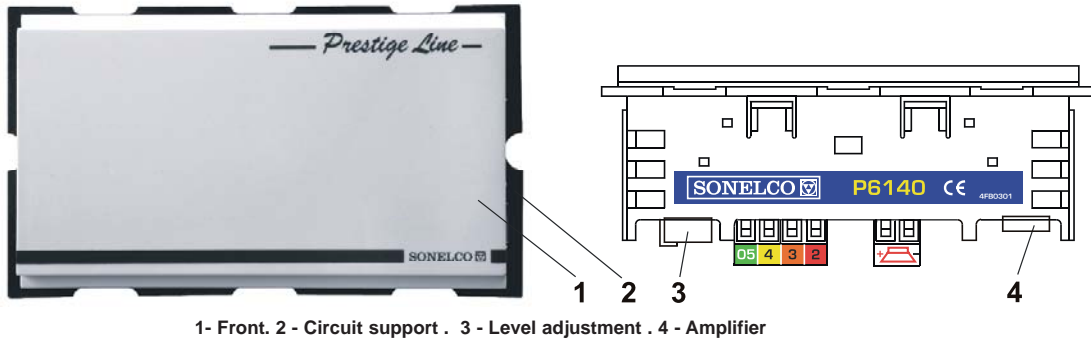


4FA014201

AMPLIFIER 10 W/8 Ohm - P6140



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

DESCRIPTION

10W/8 Ohm monophonic amplifier with bass and treble reinforcement to be installed in Sonecco flush-mount box P4901. It has an adjustment potentiometer to regulate sound level. It can be connected with 8 Ohm speakers or baffles, or combinations of both, in parallel, with 8 Ohm impedance, and 10W power or greater. For example, one P4739 baffle (8 Ohm/15W) or 2 parallel baffles P4736/37 of 16 Ohm/6W.

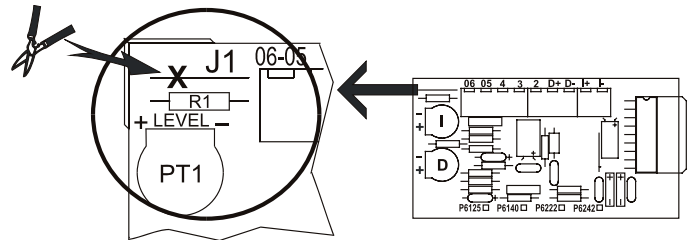
CONNECTION

TERMINALS

- terminal 2: Power supply + 16V
- terminal 3: Power supply input + 16V See note (*)
- terminal 4: Ground
- terminal 05: Audio input
- terminals +,-: Audit output +, -, for speakers

TECHNICAL CHARACTERISTICS

Rated supply volt. (V2): 16V DC
 Max. current consumption (I2): 1.1A.
 Consumption without signal (I2): 90 mA.
 Terminal 3 (With J1 bridge cut):
 - Minimum ignition volt. (V3): >8.5V.
 - Current consumption (I3): 10 mA
 Power: 10W, d<1%
 Sensitivity: 1.5V
 Signal/Noise ratio: >65 dB
 Equalising to reinforce bass and treble.
Dimensions: 106x59x43
Weight: 86 gr.



(*) 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.

EXAMPLES OF INSTALLATION

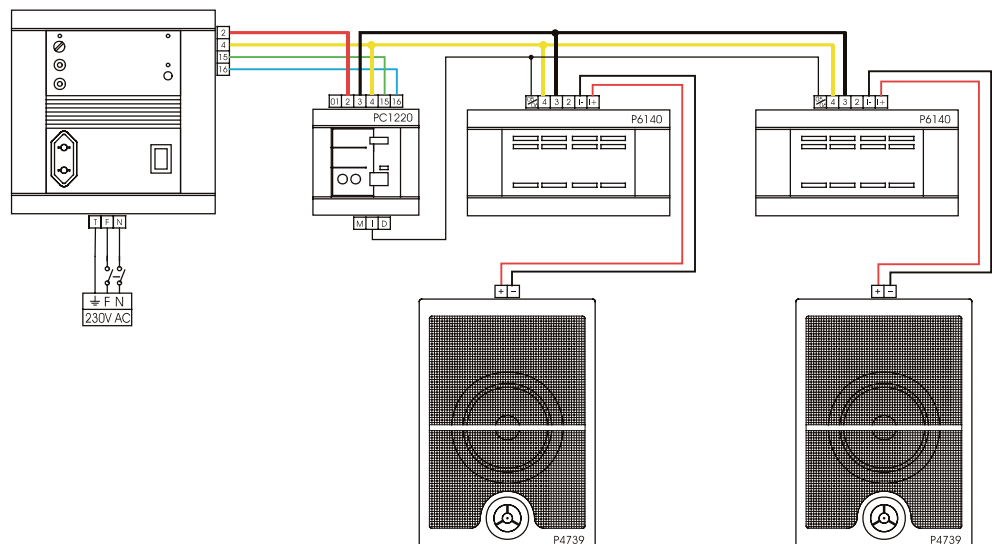
a) Installation 1 mono music channel. Example for areas with 2 amplifiers P6140, with one single control. (Bridge J1 not cut). Connection to control by three wires, terminal 3, 4 and 05 (See diagram 1).

In this type of connection the whole amplifier consumption is made 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 P6140, estimating that for music+messages, the average consumption of an amplifier is 65% of the maximum.

The diagram shows an installation of 1 mono music channel with two amplifiers P6140. 1 8 Ohm/15W baffle P4739 has been connected to each amplifier. With this combination we can obtain 10W power per sound point.

The baffles could be others with 8 Ohm and 10W power or more. As can be seen in diagram 1, the amplifiers are connected with three wires connected to terminals 3, 4 and 05/06 and the baffles are connected to terminals +,-.

Diagram 1. 1 mono channel.
 Room with two amplifiers. (two 10W 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 mono position

EXAMPLES OF INSTALLATION

b) Installation 1 mono music channel. Example for areas with more than 2 amplifiers P6140 with one single control. (Bridge J1 cut). Connection with four wires. Terminals 2, 3, 4 and 05. (See diagram 2)

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

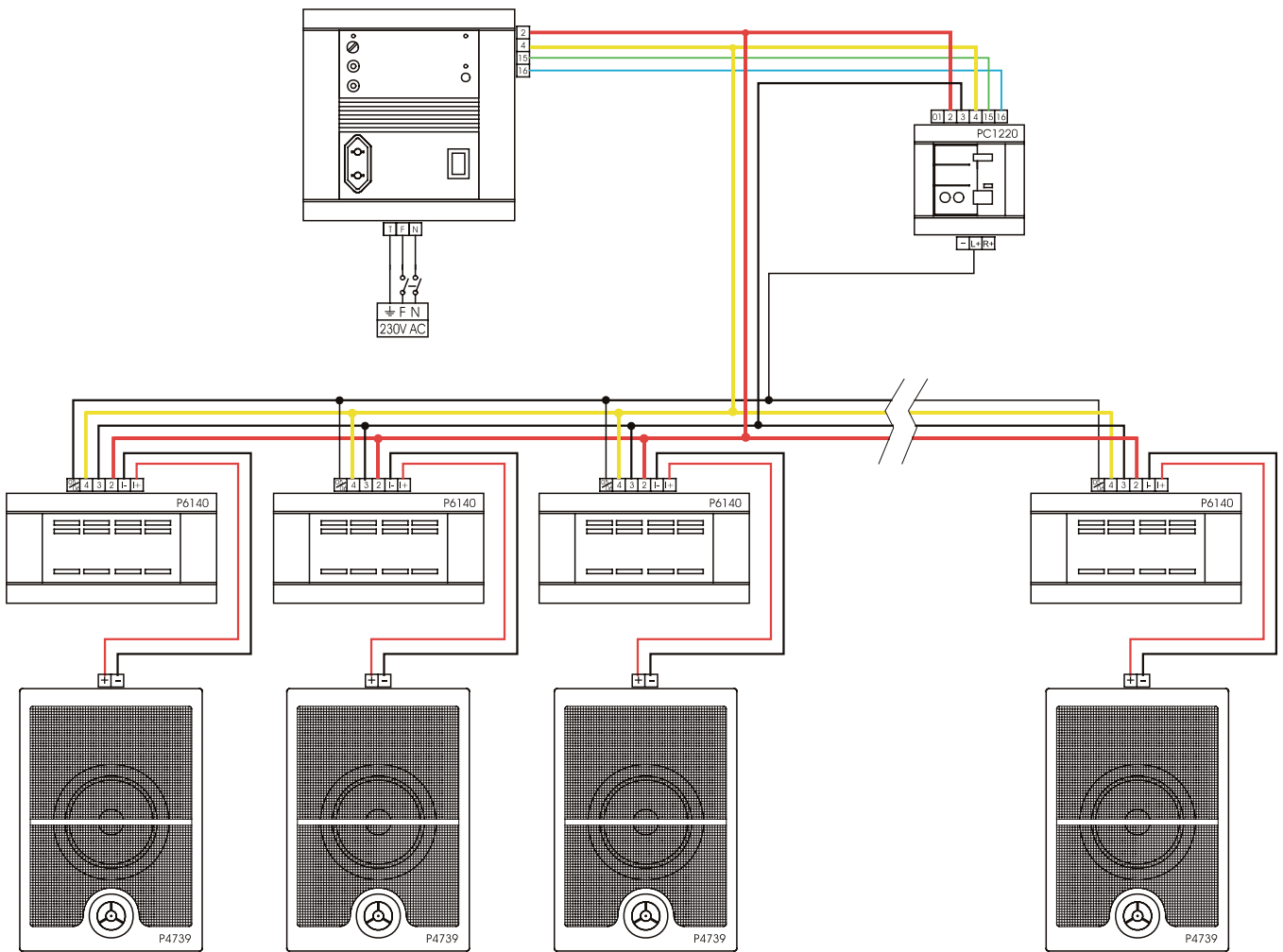
In this case, unlike the above, the amplifiers are supplied by wire 2 from the line, and wire 3, from the control, acts as control for the internal electronic switch of the amplifier. One more wire is used for the installation, but the no. of amplifiers desired can be controlled with one single control.

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

This diagram shows an installation with 1 mono music channel and more than 3 amplifiers P6140. As diffusers we have used 8 Ohm 15W baffle mod. P4739. Each baffle will provide 10 W.

We could replace each P4739 with two P4736/7 in parallel, duplicating the number of sound points, but the power of each one of them would be 5 W. A larger number of amplifiers may be fitted but always bearing in mind the power of the unit installed, which in our case is P3271

Diagram 2. 1 stereo channel. Room with more than 2 amplifiers. 10W per sound point.



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 mono position