

1. Power supply  
2. ON led  
3. Installation supply strips  
4. Network connection strips



### DESCRIPTION

Switched 25 VA power supply unit to install on DIN rail, designed to make installation more flexible if used in combination with the PC3110 input modules and with the PC3810 telecontrol module for external audio source.

It can be used in any system:

- To supply the system in combination with one or several PC3110 audio input modules.
- For systems that only use the SONELCO Prestige series tuners as sound sources.
- As a power supply unit for any type of Prestige Line system

### GENERAL CHARACTERISTICS

- Power supply unit to install on DIN rail
- Connection to network via screw-strips
- 320V – 50/60Hz nominal network voltage
- Permanent connection to network (no switch)
- Output voltage indication led
- 25W maximum power
- 16V stabilised and regulated output voltage.
- Output protected against shortcuts
- Internal fuse for network input protection
- CE labelled (UNE-EN60065 and CEM)

### CONNECTION

The power supply unit will be installed in an electric distribution box on a standardised 35 mm wide rail, according to standard DIN/EN50022.

The connection to the 220/230V electricity supply mains will be made with at least 1 sq.mm. section wires and double insulation.

Sonelco recommends installing a specific general switch for the sound installation. (See installation example).

#### TERMINALS:

- L- Phase (220/230 V AC)
- N- Neutral (220/230 V AC)
- ⊕- Earth (protection conductor)
- 2- Positive - Nominal 16 V DC voltage output / 1.5 A maximum
- 4- Supply and signal earth.



**IMPORTANT NOTE:** Before connecting this apparatus to the mains electricity supply, the Mains Switch of that installation should be switched off in order to allow the connections to be made with safety guarantees. Under no circumstances should the source be handled outside its built-in box whilst connected to the alternate current. Please make sure that the earth connection is appropriately connected.

**CONNECTION TO THE NETWORK:** Screw in the mains supply and earth cables to the L, N and Earth terminal strips.

**CONNECTION TO THE LINE:** (See diagramme). Connect the line 2 and 4 cables following the order indicated in the terminals, making sure to fasten them tightly.

**START-UP:** Once the apparatus is installed connect the mains switch of the installation in order to supply electricity to the apparatus and check that the ON led is lit (2).

#### OPERATION INCIDENTS:

Notice: Any handling of the power supply should only be carried out by specialised technical personnel and with the mains switch of the audio installation disconnected.

#### A.- LED 2 (ON) DOES NOT LIGHT UP WHEN CONNECTING THE MAINS SUPPLY SWITCH

1. Please check the existence of voltage in the network, and the correct connection of the network cables.
2. Disconnect strips 2, 4. If the led lights up, the power supply is ok, indicating a short-circuit in the supply output (2, 4) and the cabling should be revised.

#### B.- THE LED (ON) flashes.

1. The apparatus enters in a protected mode due to an excessive load on its supply terminals. Revise the cabling of the installation and the number of modules connected to this power supply. It may be that the maximum power that the device can supply is being exceeded.

## TECHNICAL CHARACTERISTICS

### SUPPLY:

Operation: 180-264 V AC / 50-60 Hz

Maximum power: 25 VA

Output voltage: regulated between 16 V  $\pm$  5%

Output Impedance: 1.5  $\Omega$

Electronic protection against short-circuits and power surges.

Internal fuse for the protection of the power supply.

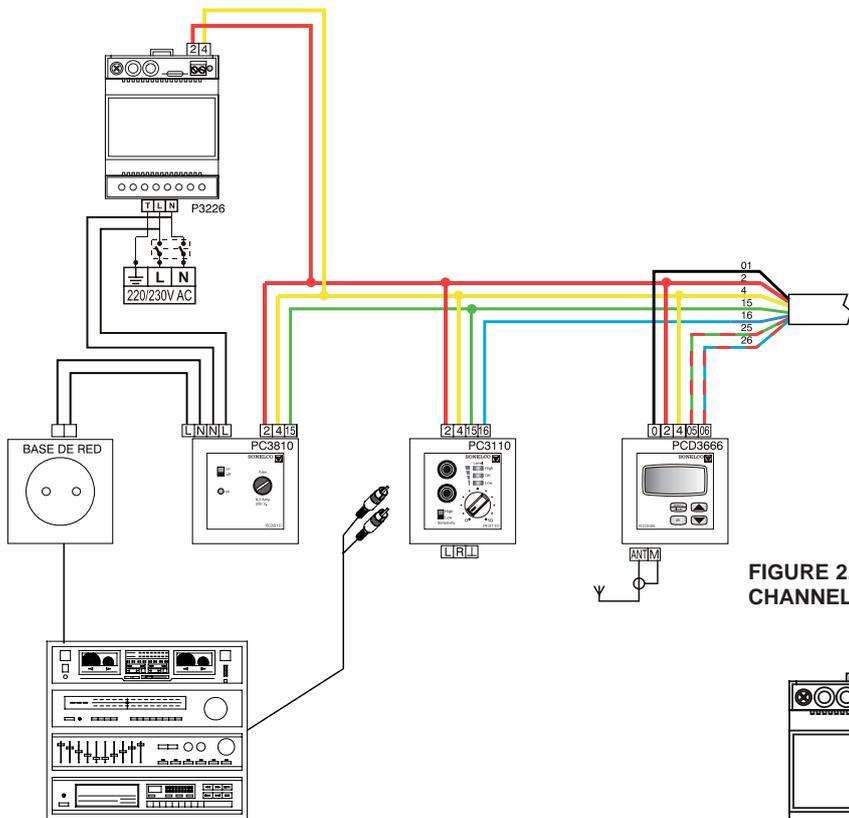
### GENERAL:

Maximum dimensions: 90 X 70 X 58 (It occupies 4 units of DIN rail)

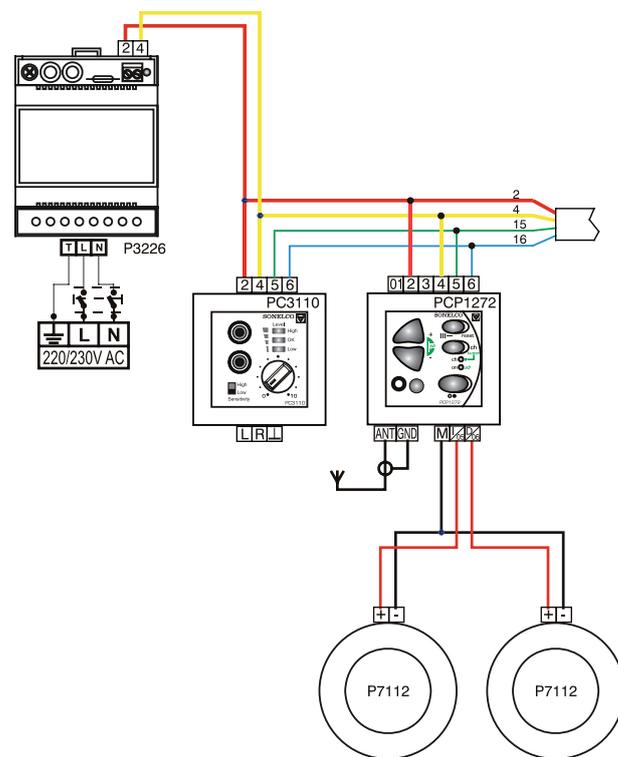
Weight: 156 grs.

## INSTALLATION EXAMPLES

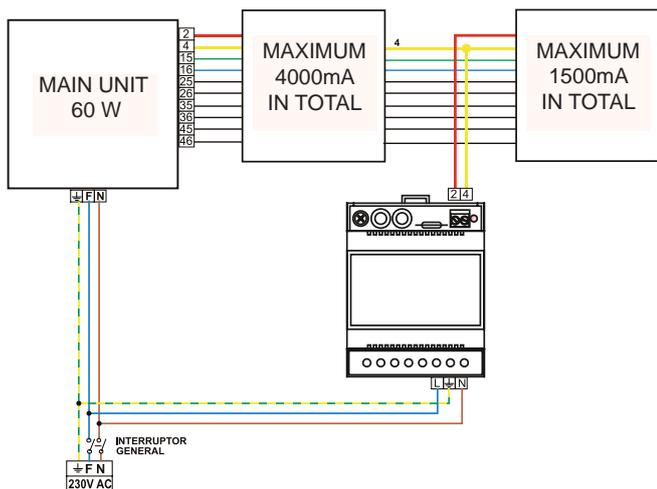
**FIGURE 1. CENTRALISED INSTALLATION WITH TWO STEREO CHANNELS (ONE EXTERNAL CHANNEL + PCD3666 TUNER) WITH PC3810 REMOTE CONTROL MODULE.**



**FIGURE 2. CENTRALISED INSTALLATION WITH 1 STEREO CHANNEL CONTROL/PCP1272 LOCAL TUNER CONNECTION.**



**FIGURE 3. INSTALLATION AS AUXILIARY POWER SUPPLY**



## INSTALLATION RECOMMENDATIONS

In Sonelco General Diagrammes you may find connection diagrammes and cable sections recommended for audio installations. Do not place this product in wet areas, next to sources of heat or potentially explosive areas.

The connection to the electric mains power supply, installation, cable diameter and channelling should be carried out in accordance with the directives and specific regulation of each country.

Sonelco recommends the installation of a specific mains switch for the audio installation. (see installation example).

**Sonelco declines any responsibility that may be caused by an inappropriate use of the product or by an installation that does not comply with that recommended.**