



- 1 - Operation indicator Led
- 2 - Remote connection indicator Led
- 3 - Power (mains) switch
- 4 - Mains connection strip
- 5 - Connection strips to sound system

DESCRIPTION

60 VA Commutated power supply unit

It can be used:

- In large systems, as an auxiliary power supply unit, to supply part of the system, combined with a sound unit.
- As a power supply unit for a public address system.
- For systems which only use the SONELCO Prestige series tuners as sound units.
- The unit can be switched on manually or automatically. **Manually** when it is switched on with the Power (mains) switch (3). **Automatically**, when it comes on automatically when the sound unit is switched on.

GENERAL CHARACTERISTICS

- Regulated output voltage, supplying 16 V DC
- Mains input voltage: P3270 230V AC - P3273 115V AC
- Electronic protection against short-circuits and overloads in the supply.
- Two-pin power switch (3) to switch the unit on.
- Power supply unit operation indicator Led (1).
- Remote connection indicator Led (2), automatic operation.
- Mains input protection fuse (4).
- All the components used for connection to the mains are officially approved, complying with the strictest safety regulations.
- **CE** Mark (UNE-EN60065 and EMC)

CONNECTION

The supply unit will be installed in a P9002 flush box or P9026 surface box, preferably near to the sound supply unit.

The connection to the mains will be done with at least 1 sq.mm. section wires and double insulation.

NOTE: It is advisable for the cables of the electricity supply mains to be as far away as possible from the circuit of the main unit.

TERMINALS:

- F- Phase (P3270 - 220/230 V AC) (P3273 - 115/125 V AC)
- N- Neutral (P3270 - 220/230 V AC) (P3273 - 115/125 V AC)
- ⊕ Earth (protection conductor)
- 2- Positive - voltage output 16 V DC nominal/4.5 A maximum
- 4- Negative - Signal and supply ground
- 1- Auxiliary terminal for remote connection of the supply unit. (connect to terminal 2 of the sound unit)



IMPORTANT NOTE: Before connecting this unit to the electricity supply mains the power switch of that system must be disconnected to make sure the connection is made with the correct safety guarantees. Under no circumstances must the unit be handled outside its flush box whilst connected to the alternating current network. Make sure the unit has been correctly connected to earth.

CONNECTION TO MAINS: Insert the mains and the earth wires, through the holes situated on the metal plate into the terminal strip (4) (to the right of the mains switch) Tighten the screws of the strip and make sure that no wire thread is outside the holes.

CONNECTION TO THE LINE: (See diagram). Connect the wires of the sound line to the strip (5), following the order indicated for the terminals. Make sure the screws are tightened correctly.

For remote ignition (terminal 1 must be connected)

Terminal 1 permits the remote ignition of the unit. It is used if the supply unit is connected as an auxiliary one to the sound unit.

To achieve this we will leave switch (3) on OFF, and we will connect terminal 1 of the supply unit to terminal 2 of the main unit. When switching the sound unit on the power supply unit will come on automatically, and green led (1) and (2) on the front will light up.

For "Local" ignition (terminal 1 not connected)

Just put the ON/OFF (3) switch on ON.

Starting:

Once the main unit has been installed in its casing (flush-mount or surface box), screw the base plate to the box and fit the trim frame (with the coloured strips if desired). Then connect the power switch to supply electricity to the main unit.

On local ignition mode: (Terminal 1 not connected, or sound unit off). Operate the power switch (3) and check the ON led (1) comes on. The green led must go out.

Remote ignition mode: (Terminal 1 connected to 2 of the main unit, ON/OFF switch in OFF position). Switch on the sound unit and check that the ON led (2) and the GREEN led are on, indicating remote ignition.

OPERATION INCIDENTS:

Warning: The power supply unit must only be handled by specialised technical personnel and with the power switch of the audio system disconnected.

A.- IF LED 9 (ON) DOES NOT LIGHT UP WHEN THE POWER SWITCH IS ACTIVATED

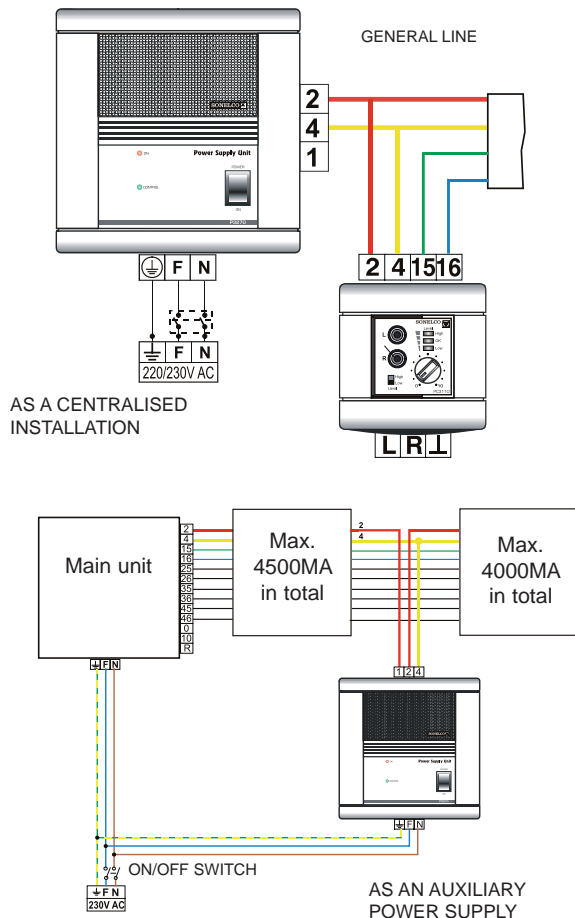
1 - Check that there is voltage, that the mains wires are correctly connected or if fuse (4), (situated under the upper lid) has blown. If this fuse has blown replace it with another one of the same characteristics and value.

2 - Disconnect strip 2, 4. If the led comes on, the power supply unit is OK, indicating a short circuit in the supply output (2,4) having to check the wiring.

B.- THE (ON) LED BLINKS ON AND OFF.

1 - The main unit is on protected mode due to excess load in its supply terminals. Inspect the wiring of the system and the no. of modules connected to this power supply unit. The maximum power that the unit can supply may have been exceeded.

INSTALLATION EXAMPLE



TECHNICAL CHARACTERISTICS

SUPPLY:

Operation: 180-264 V AC / 50-60Hz for **P3270**
92-132 VAC / 50-60Hz for **P3273**

Maximum power: 60 VA

Voutput: adjusted between 16V ± 5%

Ioutput: 4 A max.

Electronic protection against short-circuits and overload in the output.

Internal protection fuse of the power supply unit.

REMOTE IGNITION:

Minimum V in terminal 1: 9 V

LED indicator (green) of activation of remote control.

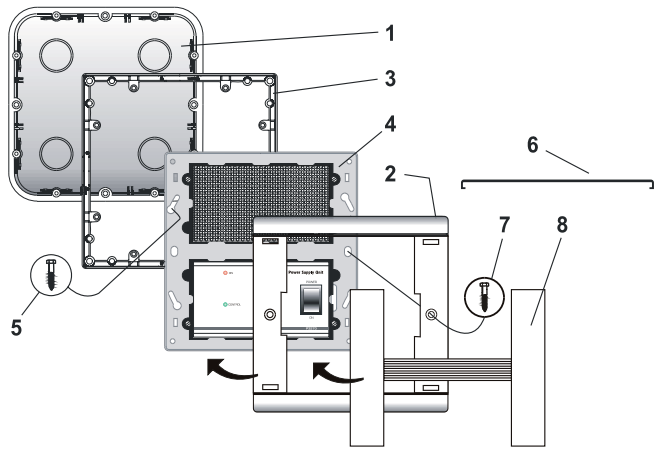
GENERAL:

Maximum dimensions: : 142 x 146 x 50 mm.

Minimum flush space: 120 x 120 x 40 mm.

Weight: 420 grs.

INSTALLATION RECOMMENDATIONS



KM9211-01 (WHITE) KM9211-02 (CHARCOAL) KM9211-03 (TWO-TONE)

DOUBLE FRONT FRAME + SUPPLEMENT FOR "SONELCO" BOXES:

During the installation of main units and power supply units, it is advisable to fit the supplement (3). By doing this an extra 12 mm. bottom is achieved on the flushmount box (1), which makes assembly easier and provides greater ventilation.

To correctly assemble the supplement:

- Remove the four screws (5) from the flushmount box (1)
- Pass the wires through the supplement (3)
- Connect and screw the module (4) together with the supplement (3) to the flushmount box (1)
- Place the frame (2) on the base plate (4) and press
- Place the side screws (7)
- Put the covers (8) on the sides (2)
- Optionally, trims can be fitted (6)



INSTALLATION RECOMMENDATIONS

In **Sonelco's** General Diagrams, you will find connection diagrams and cable sections recommended for the audio installation.

Do not install this product in damp places, near heat sources or in potentially explosive atmospheres.

The connection to the mains, installation, cable section and wiring will be done in accordance with the directives and specific regulations of each country.

Sonelco recommends installing a specific on/off switch for the sound system (See installation example).

Sonelco declines any responsibility which might be derived from the incorrect use of the product or installation not in accordance with that