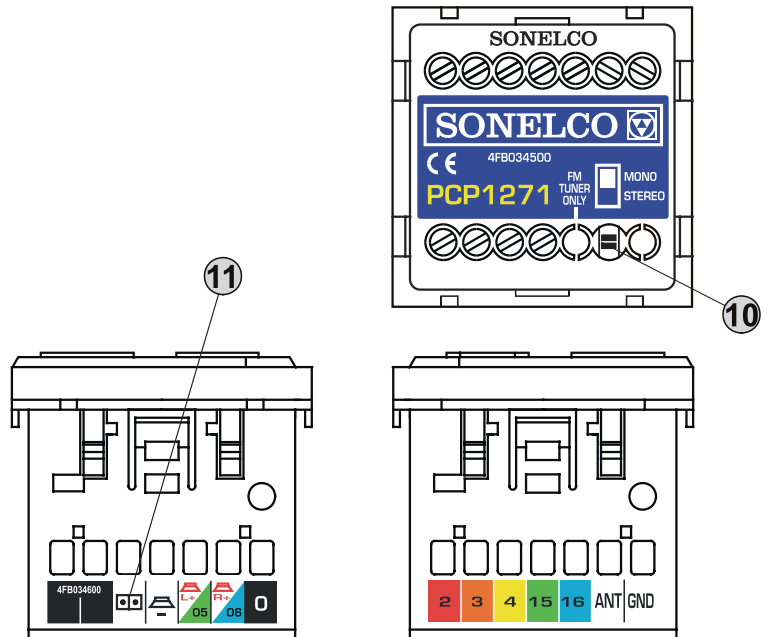


DIGITAL REGULATION CONTROL - PCP1271 1 STEREO CHANNEL + mono FM TUNNER

4FA023301



1. Volume increase button. 2 Volume decrease button. 3 3.5 mm earphone jack connector. 5 ON/OFF/SLEEP button. 6 ON/SLEEP light indicator. 7 Music channel/tuner light indicator. 8 Music channel/Tuner changing button. 9 SCAN/RESET button. 10 MONO/STEREO switch. 11 Tuner mode configuration bridge



DESCRIPTION

IMPORTANT! this module can be configured with two functioning modes by means of the connection of a rear bridge at the moment of the installation:

MODE 1: CONTROL + TUNER.

1+1W Stereophonic amplified control, with digital regulation of volume, 1 music channel + selectable mono FM internal tuner, LOUDNESS, SUPERBASS, SCAN and SLEEP functions, and output for earphones.

MODE 2: MONO FM TUNER.

The desired mode is selected by means of the rear bridge (11).

MODE 1: 1 C/ST CONTROL + TUNER GENERAL CHARACTERISTICS

- Electronic ON/OFF switch
- ON/Sleep/ Sb two-colour LED type light indicator
- Key pressing light indicator (Vol+, Vol- and SCAN)
- 100-position digital volume control with memory of the position selected with the control box in operation.
- Audio integrated processor
- Progressive Loudness and Superbass controlled by microprocessor
- SCAN/ Reset function (change of the radio station of the tuner)
- SLEEP function (auto-switch-off after 30 minutes)
- External music channel, or internal tuner selection, with light indication of the selected audio source.
- Output for stereo earphones, with disconnection of the loudspeakers.
- Telecontrol by voltage.

CONNECTIONS

Before carrying out the connections make sure that the supply control box is switched off. Insert the control in the metallic chassis and carry out the connections in accordance with the following indications:

TERMINALES:

- 0 - SCAN. Do not connect (Only for Mode 2, FM tuner)
- 2 - Input +16V Supply
- 3 - Output +16V after the switch
- 4 - Grounding
- 15 - Left channel audio input
- 16 - Right channel audio input
- ANT - outer aerial input
- GND - Aerial grounding
- - Grounding common to loudspeakers
- L+ - Left loudspeaker output
- R+ - Right loudspeaker output

NOTE: The system cabling should be assembled separately from the electric supply network, in accordance with the regulations.

MODE 1 FUNCTION: CONTROL + FM TUNER

Once the connection has been carried out, make sure that the rear bridge (11) has not been installed. Switch on the control box and verify that the audio source is connected to the control box (tuner or other external music source).

Verify the MONO/STEREO switch position(10). If two loudspeakers have been installed in that room, the switch will be switched to Stereo (default position). In the event of installing only one loudspeaker the switch will be switched to MONO (M)

SWITCH ON CONTROL: Press the ON/OFF (5) button and verify that the "on" LED lights up (6).

INCREASE VOLUME: Press the Volume+ key (1). The "on" LED (6) will flash while the key is pressed or until the maximum volume is reached.

DECREASE VOLUME: Press the Volume- key (2). The "on" LED (6) will flash while the key is pressed or until the minimum volume is reached.

SUPERBASS FUNCTION: The default control has a Loudness option (red "on" LED (6)); if you wish to increase the bass, press the Volume+ (1) and Volume-(2) at the same time, thus activating the Superbass function ("on" LED (6) will be in green).

SLEEP FUNCTION: If you wish to activate the SLEEP function (timed switch-off), instead of slightly pressing (causing immediate switch-off), keep the button pressed until the "on" LED flashes, thus indicating the SLEEP activation. The control will automatically switch off after 30 minutes. If the Sleep is active, and the ON/OFF is pressed again, the control will be instantaneously switched off.

Note: While the Sleep is active, all the rest of the control functions remain operative.

ACTIVATE TUNER: When connecting the control, this is selected to the music channel 1 by default, which is indicated by means of the switched-off LED (7). In the event of wishing to listen to the tuner, the button (8) should be pressed. The Tuner selection is indicated by means of the lighting of the LED (7). To return to channel 1 simply press the button again.

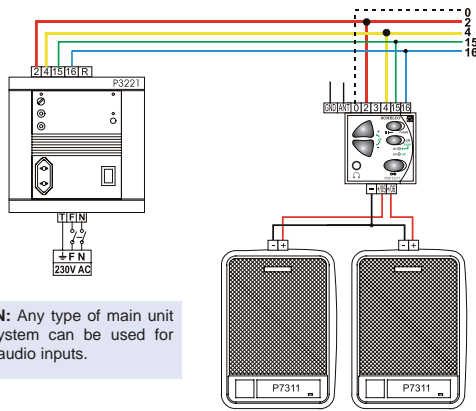
SCAN/RESET FUNCTION: the station can be selected by briefly pressing on the SCAN button (9) (the "on" LED will flash while the button is pressed). Upon finding a station the search will halt. If this is not the desired station, press scan (9) again. In this way the whole FM band will be explored.

Upon reaching the end of the band, no more stations will be tuned. To re-start the search from the beginning of the FM band, keep the button (9) pressed for a few seconds and press "scan" again until the desired station is tuned.

When commuting to channel 1, the channel coming from the control box will re-appear. The last tuned station will be memorised, even if the control is switched off. (to preserve that memory, the control box should be on).

EARPHONES OUTPUT: If you wish to listen to music by means of earphones, use connector (4). Upon inputting the earphone jack the loudspeakers will be automatically switched off.

INSTALLATION EXAMPLE



CENTRALISATION: Any type of main unit or our modular system can be used for power supply and audio inputs.

MODE 2: MONO FM TUNER

To set up a module in this mode, before switching on the installation supply it is necessary to set up the rear bridge (11).

DESCRIPTION

Mono FM tuner compatible with the rest of the Prestige Line range modules. It can be used together with a control box, as audio source for the whole installation.

It has a Scan/ Reset (9) local button for station tuning and remote "scan" (change of stations from any other installation control)

GENERAL CHARACTERISTICS

- LED type functioning light indicator (7)
- Station tuning by means of the local scan button (9).
- Reset (9) button to re-start tuning at the beginning of the band.
- Connections by means of terminal strip, including input for external aerial.
- Remote scan input by terminal strip 0

CONNECTIONS

Before carrying out the connections make sure that the installation electric supply control box is switched off. Insert the control into the metallic chassis and carry out the connections in accordance with the following indications:

TERMINALS:

- 0 - Remote scan wire connection input
 - 2 - Input +16V supply
 - 4 - Grounding.
 - I/05 - Audio output
 - D/06 - Audio output
 - GND- Aerial grounding
 - ANT - FM outer aerial input
- The rest of the terminals should not be connected.**

FUNCTIONING

Once connected, place the bridge (11) and switch on the control box. The "on" LED (6) and (7) will be lit, and the audio signal of the tuned station will appear in the tuner output terminals (I/05 and D/06).

TUNING OF STATIONS (LOCAL SCAN)

To search for a station, briefly press on the "scan" (9) button. Upon finding a station the search will halt. If this is not the desired station, press "scan" (9) again. In this way the whole FM band will be explored. Upon reaching the end of the band, no more stations will be tuned.

To re-start the search from the beginning of the FM band, keep the button (9) pressed for at least two seconds. Press "scan" again until the desired station is tuned.

TUNING OF STATIONS (REMOTE SCAN)

If you wish to change the station, briefly press the control "scan" button from a control located in any room. The automatic search will commence until a station is found. If this is not the desired station, press "scan" (9) again. Upon reaching the end of the band, no more stations will be tuned. To re-start the search from the beginning of the FM band, keep the control "scan" button pressed for a few seconds.

Press "scan" again until the desired station is tuned.

MONITORISATION OF STATIONS

To select the station avoiding the others being listened to in the rest of the installation, during the tuning process, use the module's earphones output.

By means of said earphones the monitorisation will be carried out, the signal not being listened in the whole of the installation while the "jack" is connected. Upon disconnection, the signal will reach the whole installation.

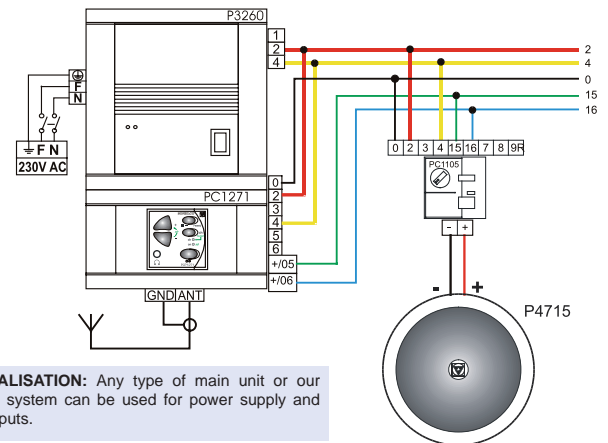
Note: Due to the FM reception characteristics, in order to be able to correctly tune the stations it is necessary to have a good aerial. The tuner includes two terminal strips (ANT, M) for the later connection of the FM outer aerial (cable coming from the RF distribution).

An inappropriate aerial will cause bad quality of the received stations and in many cases loss of a tuned station or unexpected jumps in the tuning. Only in exceptional cases, where the reception conditions are good, a 1m-length cable, connected to the ANT terminal could be used, which would be input together with the installation cabling.

TECHNICAL CHARACTERISTICS

- Supply: 16 V DC
- Terminal supply nominal input (2): 16V
- Maximum load consumption (8Ohm): 390 mA
- FM reception frequency: 87.5 - 180 Mhz.
- Input sensitivity: 6 uV.
- Type of tuning: Digital FLL
- Nominal audio output (Term, I, D): 3V maximum RMS
- Earphones output: 1+1 W/8 Ohm
- Minimum load impedance (Term I, D): 8 Ohm)
- Dimensions: 45x45x45mm
- Weight: 70 gr.

INSTALLATION EXAMPLE



CENTRALISATION: Any type of main unit or our modular system can be used for power supply and audio inputs.

In this case a P3270 or a P3262 power supply, and the input model PC3110 and the PCP1271 module in tuning mode as centralised audio source will be used. Any type of controls can be installed in the areas. In the first place, switch on the power supply by means of the "POWER" switch. The search of stations will be carried out by means of the "scan" button (1).

If you wish to listen to the stations when tuning, simply use the earphones. It can be installed wherever you wish.

Remote Scan.

If you wish to have a remote scan, the terminal 01 should be connected in all those controls on which a remote scan is wished (see diagramme 2-1).

ASSEMBLY RECOMMENDATIONS: All the "Prestige Line" series models can be put into place in various types of flush fitted boxes, for which we have several types of front frames available, that can be delivered separately. For further details please www.sonelco.com