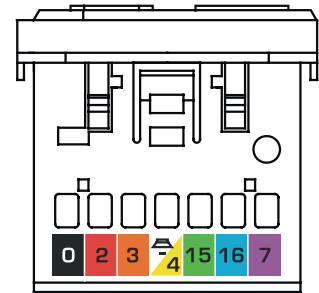
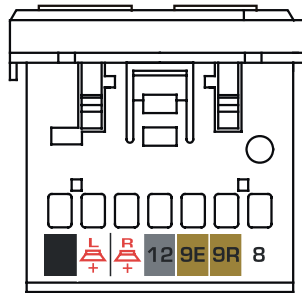


- 1 - Raise volume pushbutton. 2 - Lower volume pushbutton. 3 - SURVEILLANCE mode indicator Led. 4 - NO MESSAGE Mode indicator Led. 5 - Earphone output 3.5mm jack. 6 - MODE pushbutton. 7 - ON / OFF / SLEEP pushbutton. 8 - ON (red), sb (green) indicator Led. 9 - TRANSMISSION (red) / RECEIPT (green) mode indicator Led. 10 - CALL pushbutton. 11 - SCAN pushbutton. 12 - MONO / STEREO selection switch. 13 - VOX CONTROL level adjustment. 14 - MICROPHONE level adjustment.



### DESCRIPTION

Amplifier control, 1 stereo channel, with General call, Message receipt, electronic SURVEILLANCE, LOUDNESS, SUPERBASS and NO MESSAGE functions. It also has SCAN, SLEEP and Earphone output.

### GENERAL CHARACTERISTICS

- Electronic ON / OFF switch
- Bicoloured led type On/Sb luminous indicator.
- Key activated luminous indication (Vol+, Vol-, and Scan)
- 100-step digital volume control with selected position memory (if main unit is not switched off).
- Integrated audio processor.
- Progressive Loudness and Superbass controlled by u-processor.
- Scan (remote change of radio station in a SONE LCO tuner)
- Sleep (automatic off function of control after 30 minutes).
- General Call and Message receipt even when the control is off.
- Adjustable message receipt volume with V+/V- keys, with memory of the message level selected and independent from music adjustment level.
- No Message Function, with activation key and indicator led (4). In this status no message is received.
- Surveillance function (Transmission or Monitoring) with Vox Control. It permits the permanent surveillance of an area. It has a Vox Control system with adjustable level so that the system is activated when a certain sound level occurs in the area with surveillance. It has an indicator led (9) of the surveillance status, transmission (red) or monitoring (green).
- Stereo earphone output, with disconnection of speakers.
- Voltage telecontrol.

### CONNECTION

Before making the connection make sure that the supply unit is off. Insert the control into the metal base plate and make the connection according to the following instructions:

#### TERMINALS:

- |   |   |
|---|---|
| <b>0</b> SCAN Connect to Scan line.   | <b>9E</b> General call output. Connect to wire 9 to transmit general call or to wire Z0 for star intercommunication |
| <b>2</b> Input + 16V Supply   | <b>9R</b> General call input. Connect to wire 9 (if you wish to receive general call)                               |
| <b>3</b> Output + 16V after switcher  | <b>12</b> Surveillance  |
| <b>4/-</b> Mass and common for speakers.  | <b>L+</b> Output for left speaker   |
| <b>15</b> Left audio channel input  | <b>R+</b> Output for right speaker  |
| <b>16</b> Right audio channel input   |   |
| <b>7</b> Message audio input/output.  |   |
| <b>8</b> Area section (Connect to relative area wire Zr. (in the case of messages by areas) |   |

**NOTE:** The system wiring must be installed separately from the electrical mains, according to regulations..

### FUNCIONAMIENTO

After making the connection, switch the main unit on and verify that it has an audio source connected to the main unit (a tuner or another external music source).

Verify the position of the MONO/STEREO selection switch (12). If two speakers have been installed in that room, the selection switch will be placed on Stereo (default position). If there is just one speaker the selection switch will be placed on Mono (M).

**Switch the control on or off:** To switch it on apply ON/OFF pushbutton (7) and the "on" led (8) will light up. To switch off just press it again.

**Turn volume up or down:** To adjustment the music level use keys Vol+/- . The "on" led (8) will flash when the key is pressed or until the maximum or minimum volume is reached.

**"sb" Superbass function:** By default, the control leaves with the Loudness option ("on" led (8) on red). If you want to enhance the bass more, press Vol+ and Vol- keys at the same time, activating the Superbass function "sb" (The "on" Led will turn green).

**SLEEP function:** If you wish to activate the SLEEP (timed off) function instead of lightly pressing it (which causes it to go off instantaneously) keep the ON/OFF key pressed until the "on" LED flashes. The control will go off automatically after about 30 minutes. If, with the SLEEP activated, we press the ON/OFF key again, the control will go off straightaway.

**Note:** With the SLEEP function activated all the other functions of the control will be operative.

**SCAN function:** If the music signal comes from a SONE LCO tuner and the SCAN line is connected, you can change stations with the SCAN pushbutton (11) (the "on" led (8) will flash when the key is pressed).

**Transmitting Messages:** To transmit a message press key 10. Led 9 will light up on red "transmission" and also led 8 if the control is off.

**Receiving Messages:** The control will receive the messages if the "no message" mode has not been selected. When the message is received led 9 will light up on green "receipt" and the music will be interrupted, or the control will come on if it is off. Whilst the message is being received the receipt volume can be regulated with keys Vol +/- and the message receipt level is memorised.

#### Modes:

By pressing Mode key (6) we can select four operating modes indicated by the status of the leds (3 and 4), see status table.

KEY 6	MODE	INDICATION (LEDS)	
Initially	1-NORMAL	4= off	3= off
First stroke	2-NO MESSAGES	4= on	3= off
Second stroke	3-SURVEILLANCE	4= on	3= off
Third stroke	4-SURVEILLANCE + NO MESSAGES	4= on	3= on
Fourth stroke	NORMAL (start cycle again)		

**1.-Normal mode:** To listen to music and transmit/receive messages.

**2.-No Message Mode:** In this mode no messages will be received.

**3.-Surveillance mode:** It permits the surveillance of an area.

There are three different status when we are on surveillance mode:

**A) Monitor with vox control. B) Surveillance transmission. C) Permanent Surveillance Monitoring.**

**A.-Monitor with vox control:** When entering the SURVEILLANCE mode, by default, the control changes to monitoring status with vox control. This control will automatically change over to receive sounds that are made in the watched area and the receipt led (9) will light up on green. The VOX-CONTROL checks whether the control starts to monitor or not, depending on the intensity of the sound sent by the transmitting control of the watched area. This control level is adjusted by a potentiometer (13) on the rear.

As in the case of message receipt, the volume of the message received is adjusted with Vol +/- keys (1 and 2).

Whilst we are in this status:

- We can receive the messages from the system normally.
- The piped music function is fully operative, being able to use it or not depending on whether we are interested.
- When a call is transmitted by pressing transmission key 10, led 9 will light up on green, and the call will only be received by the control that is configured as SURVEILLANCE.

TRANSMITTER, not by the rest of the system.

The possibility of making a general call to the system from the receiving control is cancelled whilst we are in this status, so if we want to make a general call we must quit the SURVEILLANCE MONITORING status and return to the NORMAL status

**B) Surveillance transmission.**

If, whilst we are on SURVEILLANCE mode (led 3 on), we press key 10 very quickly (only on quick stroke), the control goes into SURVEILLANCE TRANSMITTER status, and led 9 light up on TRANSMISSION (red) to indicate that this control microphone is open.

In this status:

- it can receive messages from the rest of the system, both normal (general or by areas) and specific ones for the SURVEILLANCE TRANSMITTER (transmitted by a control configured in SURVEILLANCE RECEIPT).

- when a control wishes to use the system to give a message, the SURVEILLANCE TRANSMITTER control momentarily inhibits the audio transmission whilst another control transmits the message.

- we will be able to send a general call to the system if we press call key 10 normally (long duration), surveillance led 3 will go off whilst the message lasts (or whilst we keep key 10 pressed). When key 10 is released the control returns to its SURVEILLANCE TRANSMITTER status.

If, in this status, we quickly press key 10 (stroke) again, we will quit the SURVEILLANCE TRANSMITTER status and we will go onto the previous status of SURVEILLANCE MONITORING with VOX-CONTROL, and led 9 will go off.

**NOTE:** In spite of this not being very recommendable from the electric viewpoint, there can be several controls as SURVEILLANCE TRANSMITTERS in the system, and the mixed sounds of the watched areas will be received in the controls on monitoring mode.

**C) Permanent Surveillance Monitoring:** If, whilst we are on the above SURVEILLANCE mode (with led 3 on), we press SCAN key (11) very quickly (just one quick stroke), the control changes over to PERMANENT SURVEILLANCE MONITORING status. In this case, the control is always monitoring the watched area (always receiving a message), regardless of there being audio or not, that is, without VOX-CONTROL. We will also listen to the messages of the system. In this case the piped music is not available.

This situation is indicated with the red "on" led (8) and green led (9) coming on at the same time to indicate message receipt.

Whilst we are on this status, when key 10 (call transmission) is pressed, it will only be received through the control that is configured as SURVEILLANCE TRANSMITTER, not through the rest of the system, and this will be indicated with led 9 lighting up on red. The possibility of making a general call to the system is cancelled whilst we are in this status, so if we wish to make a general call we must quit the SURVEILLANCE MONITORING status and return to the NORMAL status.

If we press key 11 again very quickly (only one rapid stroke) we will quit this status and return to the SURVEILLANCE MONITORING status with VOX-CONTROL. Leds 9 and 8 will go off (if the control is not on "on", piped music activated).

**4.- SURVEILLANCE + NO MESSAGE mode:** This work mode is the same as SURVEILLANCE mode 3, with the same possibilities, but without the possibility of receiving general messages or messages by area of the system (but with the possibility of the specific messages from the surveillance system).

**MESSAGE TRANSMISSION LEVEL ADJUSTMENT:** The message transmission level leaves the factory pre-set in an intermediate position. Make a call and check that the message can be heard correctly. If you wish you can adjust the level of messages transmitted with potentiometer 14 on the rear.

**MESSAGE RECEIPT VOLUME ADJUSTMENT:** The message receipt level leaves the factory pre-set in an intermediate position. Make a call from a message transmitter control to this area and check that the message can be heard correctly. Whilst a message is received, the receipt volume can be adjusted with Vol +/- keys. The receipt level will be stored until modified.

**EARPHONES:** If you wish to listen to music through earphones use connector (5). When the earphone jack is inserted, the speakers will automatically disconnect.

## TECHNICAL CHARACTERISTICS

Rated supply voltage: 16 VDC; min: 12.5V

Maximum consumption: 425mA, Standby consumption: 20 mA

Rated output power: 1+1W RMS; Output impedance: 8 Ohm.

Max. output power: 1.5 + 1.5 W RMS

Distortion < 1%

Maximum output current (Terminal 3): 2A

Frequency response: 45 Hz – 20 KHz – (3-dB)

Signal/Noise ratio: > 75dB

Input sensitivity (Terminal, 5,6). 1.5V

Crosstalk: 43dB

Audio message input sensitivity (Terminal 7): 15V

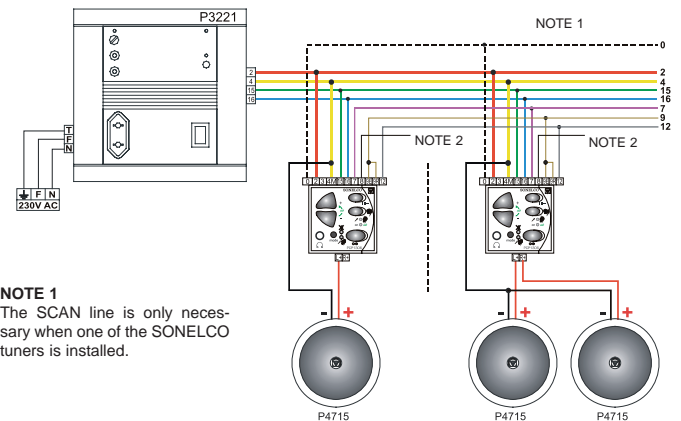
Earphone output: 100 mW/8 Ohm.

**Dimensions: (L x W x D): 45x45x45 mm.**

**Weight: 58 grams.**

## INSTALLATION EXAMPLE:

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



**NOTE 1**  
The SCAN line is only necessary when one of the SONELCO tuners is installed.

**NOTE 2**  
Terminal 8 is connected to the allotted area line if the installation incorporates messages by areas.

**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](http://www.sonelco.com)