

- 1 - Surveillance-receipt function light indicator. 2 - Surveillance-transmission function luminous indicator. 3 - Do not disturb function luminous indicator (cancellation of message receipt). 4 - No-auto-reply function luminous indicator (cancellation of automatic reply) 5 - Reset pushbutton. 6 - Selector switch for different functions. 7 - Piped music channel selector. 8 - On/off/sleep/voice detector luminous indicator. 9 - On/off/sleep/end of communication pushbutton. 10 - Pushbutton to adjust volume/treble/bass volume. 11 - Automatic door intercom operation luminous indicator. 12 - Scan pushbutton. 13 - 3.5 mm jack connector for walkman input. 14 - 3.5 mm jack connector for earphone output. 15 - Pushbutton to select volume/treble/bass function (10). 16 - Volume/(off) bass/(green) treble/(red) function luminous indicator. 17 - Microphone. 18 - Call by zone keys. 19 - Call zone luminous indicator. 20 - General call key. 21 - General call luminous indicator. 22 - Message receipt level adjustment. 23 - Mono/stereo selector. 24 - Microphone level adjustment.

### DESCRIPTION

Stereo, 1+1W amplified control, with digital regulation of volume, bass and treble, 4 channels of piped music, scan, remote and sleep functions, earphone output and walkman input. Intercom with 12 zones, auto-reply and electronic surveillance function, both with voice detection control.

### GENERAL CHARACTERISTICS

- Electronic ON/OFF switch.
- Digital control of volume, balance, bass and treble. Memory of selected position when control is switched off. Ideal operating mode.
- Stereophonic 1+1W amplifier with output for standard 8 Ohm speakers.
- Selector for 4 piped music channels.
- SCAN function (remote change of radio station on a SONELCO tuner).
- SLEEP function (switches itself off after 20 minutes)
- Transmission and receipt of messages, even if the control is switched off.
- Transmission of messages to 12 different zones and general call.
- Message receipt volume adjustable and independent from the volume selected for music.
- Adjustable microphone level.
- DO NOT DISTURB function to cancel the message receipt, independent from the control status.
- Automatic AUTO-REPLY function controlled by voice detection for use in intercommunication operations. Disconnection possibility.
- Electronic SURVEILLANCE function controlled by voice detection.
- Output for stereo earphones, with disconnection of speakers.
- Input for outside audio signal (walkman) for amplification through speakers, with automatic disconnection of line signal.
- Telecontrol by voltage.

**NOTE:** The system wiring must be fitted separately from the electricity supply mains according to regulations.

### ZONE SELECTION

Once the control has been connected, the first time it is put into operation all the leds will come on one after another, and then all the zone leds (18) will blink on and off. Press the zone number you wish to assign to this control (if the zone is from 7 to 12 the SHIFT key will have to be pressed first). Then this number will blink on and off and the control will be ready to operate. If the ignition sequence of all the leds is generated again, this means that the zone number chosen was already present in another control of the system and a different one has to be used.

The zone number is recorded and is not lost even if the supply to the control is cut off. During later re-initialisations, after the successive ignition sequence of all the leds, the zone led, which has been recorded, will blink on and off. To change this number for another one, press RESET (5) and keep the ON/STANDBY(9) and SCAN(12) keys pressed at the same time until the ignition sequence of all the leds ends. When this ends proceed as described above.

**IMPORTANT:** in the whole system THERE MUST ALWAYS BE A ZONE WITH NUMBER 1 ASSIGNED TO IT and THERE MUST NEVER BE TWO ZONES WITH THE SAME NUMBER

### OPERATION

Once the connection has been made, switch the unit on and verify that it has an audio source connected (SONELCO tuner or another external music source). If telecontrol is used, make sure the main unit is on "telecontrol by voltage" mode (see information sheet). Check the position of the mono/stereo switch (23). If two speakers have been installed in that room, place it in "S" (stereo) position, default position. If only one speaker has been installed, it must be placed on "M" (mono) position.

### PIPED MUSIC

To switch the control on press the ON/OFF key and verify that the led comes on. This control is designed for systems with 1 to 4 channels. If you have a 4-channel system, select the desired channel with the CHANNELS selector switch. Press the VOLUME +/- keys to regulate the music to the desired level. To adapt the bass and treble levels select the function with the BASS/TREBLE key. The levels chosen are memorised even though the control is switched off, on switching it on it will return to the previous level.

To select the ideal piped music level (volume, bass and treble at intermediate level) press VOLUME+ and VOLUME- keys at the same time.

If you wish to listen to the music with earphones, insert the jack into the connector indicated. When you do this the speakers will automatically disconnect. If you wish to reproduce a local sound source (walkman type) through the control and the speakers, use the connector indicated. When the walkman is connected the music from the main unit will automatically disconnect and you will listen to the music from your sound source. To switch the control off briefly press the ON/OFF key.

### SCAN

If the music signal comes from a SONELCO tuner and the scan line is connected, you can select the station with the SCAN pushbutton.

### CONNECTION

Before making the connection make sure the power supply unit is switched off. Insert the control in the metal base plate and make the connection according to the following directions:

#### TERMINALS

- 01 - SCAN. Connect to Scan line.
- 2 - Input + 16V Supply
- 3 - Output + 16V after switch
- 4 - Ground
- 15 - Input piped music channel 1 - Left
- 16 - Input piped music channel 1 - Right
- 25 - Input piped music channel 2 - Left
- 26 - Input piped music channel 2 - Right
- 35 - Input piped music channel 3 - Left
- 36 - Input piped music channel 3 - Right
- 45 - Input piped music channel 4 - Left
- 46 - Input piped music channel 4 - Right
- COM+ - Communications bus
- COM- - Communications bus
- I - left speaker output
- D - right speaker output
- M - speaker output common ground

**SLEEP**

The SLEEP function (timed off) makes the control automatically switch off after about 20 minutes. To activate this, keep the ON/OFF key pressed until the associated led blinks on and off (SLEEP activated).

**NOTE:** The scan action mode depends on the tuner used. See the tuner information sheet.

**MESSAGES TO ONE ZONE**

On NORMAL mode messages can be transmitted or received even though your control or the rest of the controls of the system are off. To send a message to a certain zone just press the key of this zone, wait until the associated luminous indicator comes on and begin to talk about 30 or 40 cm. away from the microphone. If the led of this zone blinks on and off this indicates one of the following conditions:

- this zone does not exist or is faulty (blinks twice)
- this zone is on DO NOT DISTURB status (blinks 3 times)
- there has been a mistake in the communication or the channel is engaged (the "all" led (21) blinks)

Whilst we keep the key pressed we can transmit the message. When we release the key it enters into AUTOMATIC REPLY mode (unless this is cancelled in the control that we have called). In this mode, in the zone that we have called the microphone is activated and this can reply in hands-free mode, that is, without having to press any key. To indicate this state a beep-beep will be heard through the speakers, so unauthorised listening is not possible. The ON/OFF luminous indicator will blink on and off indicating the state of the voice detector. The AUTOMATIC REPLY STATUS REMAINS WHILST THIS VOICE DETECTOR DETECTS SOUND IN THE ZONE WE HAVE CALLED. At any time both the transmitter and the receiver can cancel the operation just by pressing the ON/OFF key.

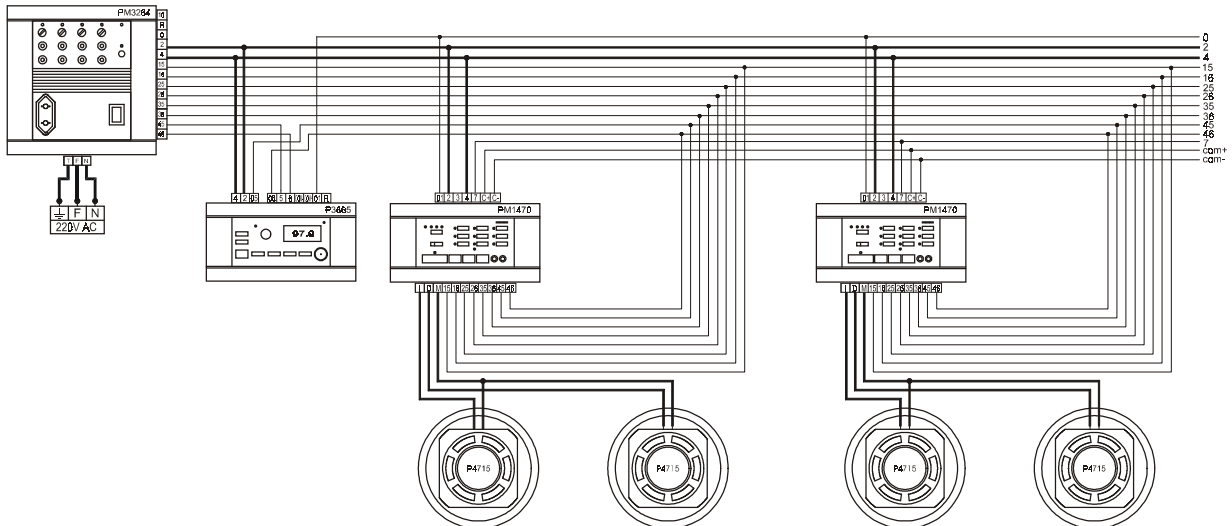
The message receipt level and the microphone level are factory preset in an intermediate position. If necessary they can be modified with the potentiometers indicated.

**NOTE:** to select zones 7 to 12 you must first preset the SHIFT key, the led associated with this key remaining on, during which time the keys of zone 1 to 6 will activate zones 7 to 12 respectively.

**GENERAL CALL**

Analogically we can make a call to all the zones connected, just by pressing the ALL key. This call will be received in all the controls except those that are on DO NOT DISTURB status. In the case of general call the AUTOMATIC REPLY function is not available, so on releasing the ALL key the operation will end.

**INSTALLATION EXAMPLE:**



**ELECTRONIC SURVEILLANCE**

The "electronic surveillance" enables you to hear sounds from another room. This is particularly useful as a safety function or to watch over children, sick or old people, etc. To use this system the control in one room must be configured as "transmitter" and another or others in different zones, as "receivers".

The two SURVEILLANCE functions (transmission/receipt) are controlled from the MODE key. By successively pressing this key it switches over between the cancellation function of AUTO-REPLY, DO NOT DISTURB, SURVEILLANCE-TRANSMISSION AND SURVEILLANCE-RECEIPT.

The SURVEILLANCE function works controlled by the voice detector. This means that any control can operate totally independently (be off, on listening to music, or with any other intercom operation) until the voice detector detects sound in the room or rooms activated as "transmitters". At that time, providing the intercom channel (wire 7) is free (that is, there is no other call in process), the message will be sent to the room or rooms activated as "receivers".

With all the mode luminous indicators off the control is in what we call NORMAL operating mode; the control can transmit or receive messages, with automatic reply and the SURVEILLANCE function cancelled.

**TECHNICAL CHARACTERISTICS**

- Supply voltage: 16VDC
- Consumption
- Off: 38mA
- Maximum volume: 400mA
- Rated output power: 1+1W RMS
- Output impedance: 8 ohm.
- Earphone output: 1+1W / 8 ohms
- Maximum output power: 1.5+1.5W RMS
- Maximum output current (terminal 3): 1A
- Audio signal input/output level: 3V RMS / 3V RMS
- Signal+noise/noise ratio: 86dB
- Harmonic distortion: 0.05%
- Volume regulation: -64dB .. +6dB
- Treble regulation: -12dB .. +12dB
- Bass regulation: -12dB .. +15dB
- Frequency response: 90Hz .. 21kHz
- Crosstalk: 100dB
- Omnidirectional microphone, response 90Hz .. 16KHz
- Outer dimensions (LxWxD): 106x59x47 mm
- Weight: 130 GR.

**FITTING RECOMMENDATIONS: All the modules from the "PRESTIGE" series can be placed on flush-mount boxes indicated below so we have the front frame specific below. This frame is supplied separately.**

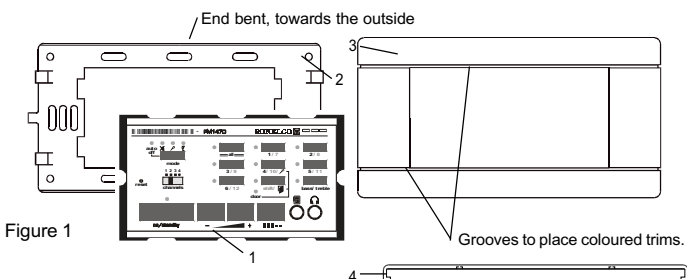


Figure 1 KC9200-01 (WHITE) KC9200-02 (CHARCOAL GREY) KC9200-03 (BI-TONE)

RECTANGULAR FRONT FRAME FOR "SONELCO" BOX or DOUBLE UNIVERSAL BOX: For correct fitting of the control, position the base plate as shown in figure 1, with the bent end towards the side where the control is inserted.

In this position, fit the control (1) onto the base plate (2), gently, until you hear a click. After making the connection and performing operation tests, secure the base plate onto the flush-mount box.

Finally place the outside frame (3) pressing on the base plate, until it adapts perfectly. If fitting trims (4), do so before placing this frame, first inserting one of the ends into the groove and then pressing to insert it completely.