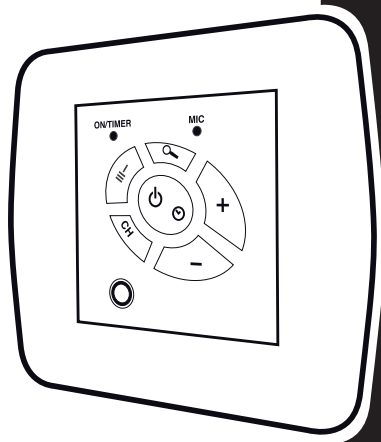


USER'S AND INSTALLATION MANUAL



**SERIE 100**

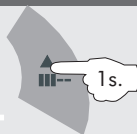
**eissound**

*It's Soundlife!*

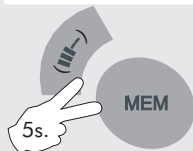


## SYMBOLS USED IN THIS MANUAL

When this symbol is pictured on a key it means that the key should be pressed for the amount of time indicated. 1 s.



In certain cases it is necessary to press two keys at the same time to execute an operation.



When a function has been executed properly the LED will blink three times. If for whatever reason it has not been possible to execute a function the LED will be lit for a single and longer interval.



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# 1. General Description

## 1.1 Introduction

A natural progression of the first series manufactured by EIS, The New 100 Series was designed to enhance the signature features of the popular 100 Series with the latest technical innovations and interior design trends.

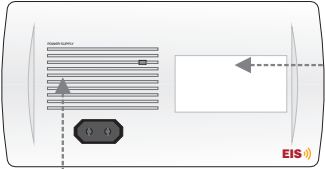
The New 100 Series provides sound systems for homes, retail operations and business offices to name a few. It is a flexible and easily adaptable or expandable system.

The versatility of its functions and the multiple possibilities of modules in a single installation make the New 100 Series the clear choice of product for the widest range of sound and intercom systems - from sophisticated to simple.

As with the initial 100 Series, the New 100 Series models are suited for conventional market electrical outlets and compatible with the whole selection of EIS Universal Line adaptors.

## 1.2. Components of the New 100 Series

**Central Units and Power Supplies**



**POWER INPUT TYPE**

MODEL 11295	14W	REGULATED
MODEL 11296	30W	SWITCHED

**NUMBER OF CHANNELS**

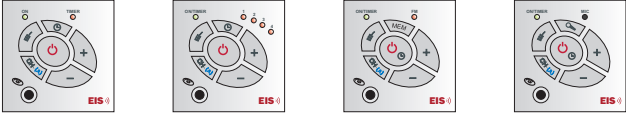
**FM TUNER AND MEMORY PRESETS**

MODEL 31191	2	
MODEL 31192	4	
MODEL 31193	1	●

31191, 31192, 31193

**Control Units**

32191, 32195, 32196, 32199



**DISC/MAN INPUT**

**NUMBER OF CHANNELS**

**FM TUNER AND MEMORY PRESETS**

**IDEAL SETTINGS MODE PROGRAM**

**TIMER**

**RECEIVES INTERCOM CALL**

**GENERAL INTERCOM CALL**

**BABY MONITOR GRAL. INTERCOM CALL**

**DO NOT DISTURB**

MODEL 32191	●	2		●	●	●		●	MODEL 32191
MODEL 32195	●	4		●	●	●		●	MODEL 32195
MODEL 32196	●	1	●	●	●	●		●	MODEL 32196
MODEL 32199	●	2		●	●	●	●	●	MODEL 32199

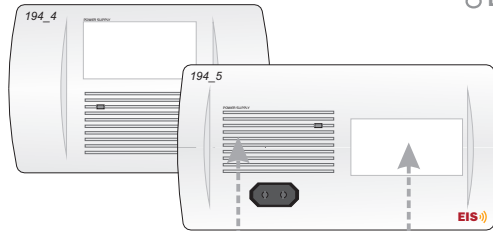
# 2. Installation Manual

## 2.1. Two-Channel Basic Wiring Diagram

### 2.1.1. Central Unit

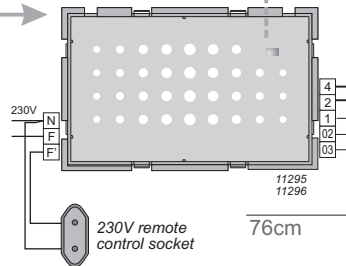
There are other variations of the wiring diagrams in Wiring Diagram Manual CC-1003.

✓ The Power Supplies available are the 11295 (14W) or the 11296 (30W). If more power is required auxiliary power sources may be installed (consult CC-1003 Wiring Diagram Manual).

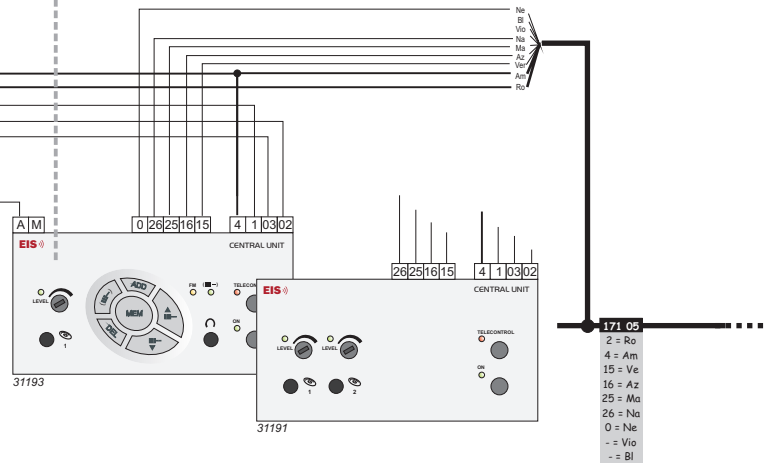


✓ The central unit is comprised of two elements: a Power Supply and a Control Unit. Both elements can be assembled into face covers 194\_4 or 194\_5. It is recommended to install the central unit as close as possible to the sound source equipment.

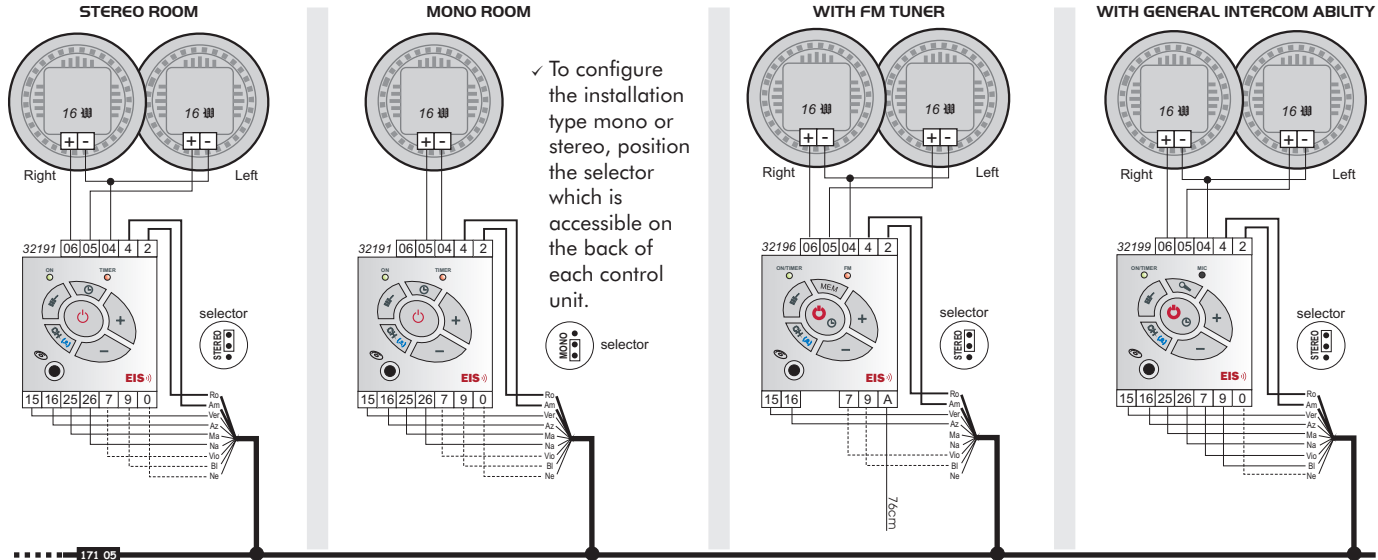
✓ Connection of a sound source to the remote control socket allows ON/OFF switching to be automatic. Thus it will only switch on when any control unit in the installation is activated and it will switch off when all the control units are off.



✓ The central units available for two channel installation are the 31191 and the 31193. The first has two discman/Mp3/iPod inputs as power sources. The second has a sound input and a built-in FM tuner.



### 2.1.2. Control Units



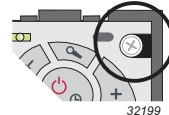
✓ To configure the installation type mono or stereo, position the selector which is accessible on the back of each control unit.

- 171 05
- 2 = Ro
- 4 = Am
- 15 = Ve
- 16 = Az
- 25 = Ma
- 26 = Ne
- 0 = Ne
- = Ve
- = Bl

✓ Connecting wire 0 (available in some control units) is only necessary to have the ability to change FM tuner stations of the central unit.

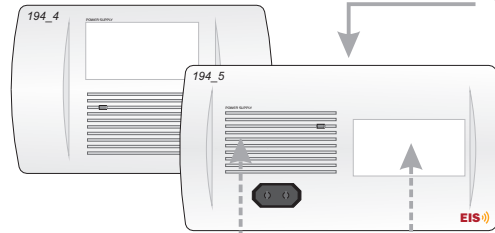
✓ In control units 32191, 32195 and 32196, it is only necessary to connect wires 7 and 9 to receive intercom calls in the rooms where they are installed.

**NOTE:** Remove the face cover on the control unit to access the potentiometer used to adjust microphone sensitivity for transmitting intercom calls. The manufacturer recommends not touching this setting unless it is absolutely necessary

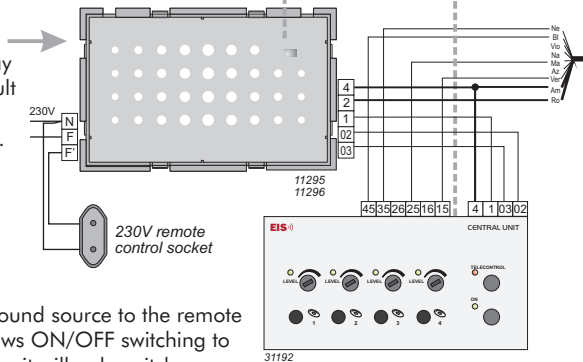


## 2.2. Four-Channel Basic Wiring Diagram

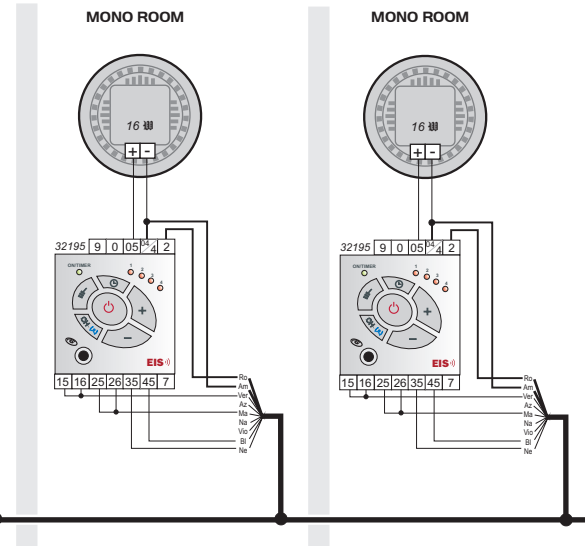
✓ The Power Supplies available are the 11295 (14W) or the 11296 (30W). If more power is required auxiliary power sources may be installed (consult CC-1003 Wiring Diagram Manual).



✓ The central unit is comprised of two elements: a Power Supply and a Control Unit. Both elements can be assembled into face covers 194\_4 or 194\_5. It is recommended to install the central unit as close as possible to the sound source equipment.



✓ Connection of a sound source to the remote control socket allows ON/OFF switching to be automatic. Thus it will only switch on when any control unit in the installation is activated and it will switch off when all the control units are off.



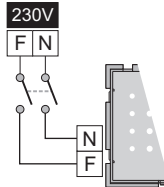
171	05
2	= Ro
4	= Am
15	= Ve
-	= Az
25	= Ma
-	= Na
35	= Ne
-	= Vio
45	= Bl

□ There are other variations of the wiring diagrams in Wiring Diagram Manual CC-1003.

## 2.3. General Observations for Proper Installation

### 2.3.1. 230V Power Source

- The power source wires must comply with current standards.
- It is recommended that the power sources of all the installation's power supplies be fed from the same current injection device.



- Important: do not feed 230 V power to the installation until it is properly installed and connected.**

### 2.3.2. Cable section

- Use 1 mm. section cables for connections 2 (red) and 4 (yellow). Use 0.25 mm. section cables for the rest of the general line connections.
- It may be necessary to increase the wire sections in installations having a large number of elements or great distances.

### 2.3.3. FM Tuners

- All FM tuners in the New 100 Series take a wire of approximately 76 cm in length as an antenna signal (terminal A).
- Said wire should be kept as far away as possible from sources of electromagnetic interference such as motors, contact units, relays, fluorescent bulbs, halogen lamps, etc.

## 2.4. Connecting Terminals

	P.S.(*)	central units			control units			
		31191	31192	31193	32191	32195	32196	32199
<b>N</b> 230V Power supply	i/O							
<b>F</b> 230V Power supply	i							
<b>F'</b> 230V Remote control socket power supply	O							
<b>1</b> Stand-by supply voltage	O	i	i	i				
<b>2</b> Installation supply voltage	O							i
<b>4</b> Mass	C	C	C	C	C	C	C	C
<b>15</b> Sound channel #1 (left)		O	O	i	i	i	i	i
<b>16</b> Sound channel #1 (right)		O	O	O	i	i	i	i
<b>25</b> Sound channel #2 (left)		O	O	O	i	i	i	i
<b>26</b> Sound channel #2 (right)		O	O	O	i	i	i	i
<b>35</b> Sound channel #3			O					
<b>45</b> Sound channel #4			O			i		
<b>7</b> Intercom channel					i	i	i	i/O
<b>9</b> Intercom control					i	i	i	i/O
<b>0</b> Central Unit tuner scan				i	O	O		O
<b>02</b> Installation input control		i	O	O	O			
<b>03</b> Remote control		i	O	O	O			
<b>04</b> Common speaker output (-)						O	O	O
<b>05</b> Left channel speaker output (+)						O	O	O
<b>06</b> Right channel speaker output (+)						O		O
<b>A</b> FM antenna				i			i	
<b>M</b> FM antenna mass				i				

(\*) Power Supply 11295, 11296, 11204

i = input  
O = output  
C = common  
i/O = two-ways

- It is also possible to connect a 75 ohm antenna feed to the FM tuner antenna of control unit 31193. In this case, besides connecting the mass (terminal M), the proper installation and antenna signal distribution techniques must be followed.

## 2.5. Technical Specifications

31191/82/83	MIN	NORMAL	MAX	COMMENTS
Measurements		135,5x70,5x44		mm ext. (width x height x depth)
		116x54x36		mm cavity (width x height x depth)
		99x51		mm frontal (width x height)
Voltage		15	16	Vdc terminal 1
Consumption demand	3	81	175	mA terminal 1 (mod. 31191)
	3	145	225	mA terminal 1 (mod. 31192)
	26	103	145	mA terminal 1 (mod. 31193)
Input signal	80		3000	mVeff jack 3,5mm
Input impedance		10000		ohms jack 3,5mm
Output signal		3		Veff terminals 15,16,25,26,35,45
Passband	20		18000	Hz
Frequency range	87,5		108	MHz only mod. 31193
Antenna impedance		75		ohms only mod. 31193
Antenna sensitivity		3,5	10	uV only mod. 31193
Tuner distortion			1	% only mod. 31193
Number of station pre-sets			10	only mod. 31193
230V remote socket control delay			3	sec

32191/95/96/99	MIN	NORMAL	MAX	COMMENTS
Measurements		45x45x45,5		mm exterior (width x height x depth)
		45x45x36		mm cavity (width x height x depth)
		45x45		mm face cover (width x height)
Voltage		15	16	Vdc terminal 2
Consumption demand	10	60	155	mA terminal 2 (mod. 32191)
	13	44	80	mA terminal 2 (mod. 32195)
	23	64	170	mA terminal 2 (mod. 32196)
	27	62	165	mA terminal 2 (mod. 32199)
Input signal		100		mVeff jack 3,5mm
		3		Veff terminals 15,16,25,26,35,45
Input impedance		8600		ohms jack 3,5mm
		3100		ohms terminal 15
		72000		ohms terminals 16,25,26,35,45
Output signal (16 ohms)			1	VV terminals 05,06
Intercom calls signal		3		Veff terminal 7
Passband	20		20000	Hz
Distortion		0,1	0,6	%
Frequency range	87,5		108	MHz only mod. 32196
Antenna impedance		75		ohms only mod. 32196
Antenna sensitivity		3,5	10	uV only mod. 32196
Tuner distortion			1	% only mod. 32196
Number of station pre-sets			10	only mod. 32196
Number of control units in system		60	120(**)	(**) consult
System length		600	1000(**)	m (***) consult

11295	MIN	NORMAL	MAX	COMMENTS
Measurements		118x70x48		mm exterior (width x height x depth)
Voltage	185	230	265	Vac 50Hz, terminals F,N
Power			14	W terminals 2,4
Output voltage	14	15	16	Vdc terminals 2,4
Output current			1,2	A terminals 2,4
Consumption demand	0		18	W standby/maximum power
Auto-power-on level	10			Vdc terminal 02

11296	MIN	NORMAL	MAX	COMMENTS
Measurements		118x70x48		mm exterior (width x height x depth)
Voltage	185	230	265	Vac 50Hz, terminals F,N
Power			30	W terminals 2,4
Output voltage	14,5	15	15,5	Vdc terminals 2,4
Output current			2,1	A terminals 2,4
Consumption demand	0		40	W standby/maximum power
Auto-power-on level	10			Vdc terminal 02

11299	MIN	NORMAL	MAX	COMMENTS
Measurements		106x91x72		mm exterior (width x height x depth)
Voltage	185	230	265	Vac 50Hz, terminals F,N
Power			20	W terminals 2,4
Output voltage	14	15	16	Vdc terminals 2,4
Output current			1,5	A terminals 2,4
Consumption demand	0		24	W standby/maximum power
Auto-power-on level	10			Vdc terminal 02

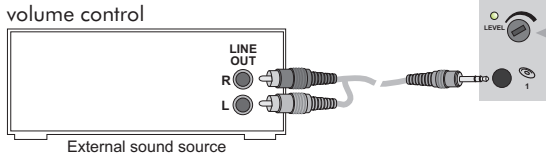
11204	MIN	NORMAL	MAX	COMMENTS
Measurements		196x122x52		mm exterior (width x height x depth)
		160x100x50		mm cavity (width x height x depth)
		143x95		mm face cover (width x height)
Voltage	185	230	265	Vac 50Hz, terminals F,N
Power			30	W terminals 2,4
Output voltage	15	15	16	Vdc terminals 2,4
Output current			2,1	A terminals 2,4
Consumption demand	0		50	W standby/maximum power
Auto-power-on level	10			Vdc terminal 02



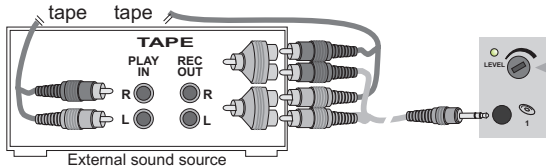
# 3. User Manual

## 3.1. Two and Four Channel Central Units (Ref. 31191, 31192)

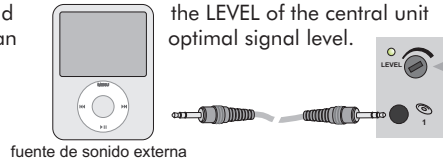
- ✓ Preferably use the LINE OUT of the sound system used as the external sound source. This output provides a constant signal which is independent of the system's volume control



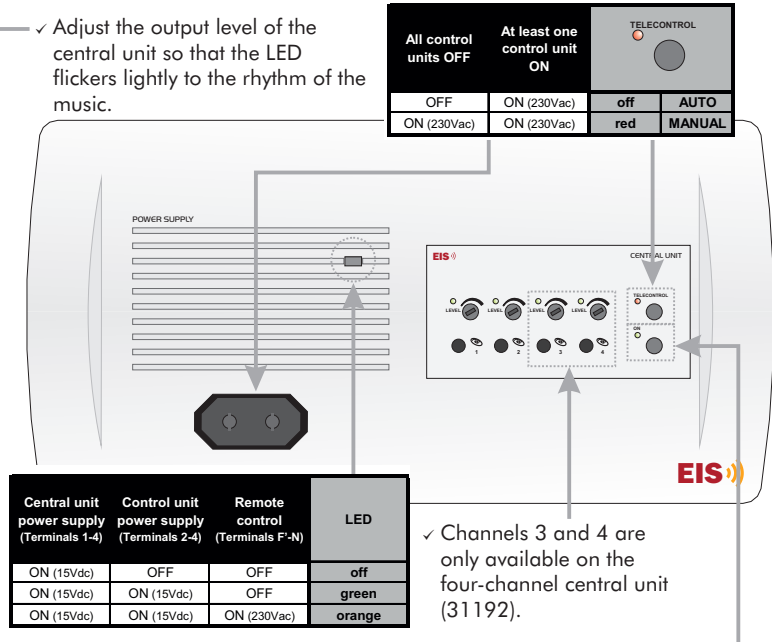
- ✓ In systems having a TAPE output (Hi-Fi systems, etc.) the sound input can be interspersed between the tape recorder and the sound system's amplifier. Connect to the REC OUT output.



- ✓ In systems with no LINE OUT or REC OUT (discman/Mp3 /iPod devices, portable stereos, etc.) the headphone output can be used. Because the system's output volume controls the headphone output, adjust the headphone volume and to obtain an



- ✓ Adjust the output level of the central unit so that the LED flickers lightly to the rhythm of the music.



All control units OFF	At least one control unit ON	TELECONTROL	
OFF	ON (230Vac)	off	AUTO
ON (230Vac)	ON (230Vac)	red	MANUAL

Central unit power supply (Terminals 1-4)	Control unit power supply (Terminals 2-4)	Remote control (Terminals F-N)	LED
ON (15Vdc)	OFF	OFF	off
ON (15Vdc)	ON (15Vdc)	OFF	green
ON (15Vdc)	ON (15Vdc)	ON (230Vac)	orange

- ✓ Channels 3 and 4 are only available on the four-channel central unit (31192).

- ✓ The ON/OFF of all the control units of the installation is controlled by the central unit's ON/OFF switch.
- ✓ When power is fed to the control units, they start up in the "off" stage and with the settings programmed as "ideal" settings in each unit.

### 3.2. One-Channel + FM Tuner Central Unit (Ref. 31193)

Seek and automatic store of stations with the best reception quality.

5s. MEM

1s. Seeks the next FM station.

1s. Seeks the previous FM station.

Saves the station in the memory.

ok FM FM FM 2s. ADD

Switches to next station in memory

"remote scan" from the control units

(||||-) ○ cancel (||||-) ● activate

When the "remote scan" function is active, the FM tuner station on the central unit (channel 2) can be changed simply by pressing the key on any control unit in the installation (as long as music channel number 2 is activated). The change is only to stations stored in the memory and the station tuned on the central unit will be broadcast through channel number 2 to all the installation's control units.

jack output

Use the jack output to listen to stations tuned without having to move to a location where a control unit is installed.

Scrolls through each band of frequencies.

Deletes the station from the memory.

ok FM FM FM 2s. DEL

FM forced MONO

mono FM FM

estéreo FM FM

See description of adjustments and use in 3.1. Two and Four Channel Central Units.

See sensitivity adjustment for station seek in section 3.5. One Channel Control

### 3.3. Two Channels Control Unit (ref.32191)

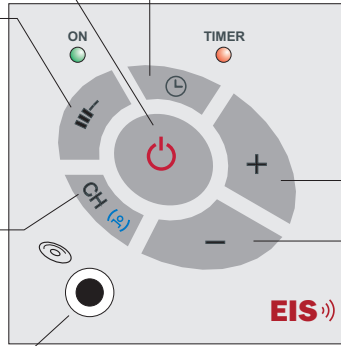
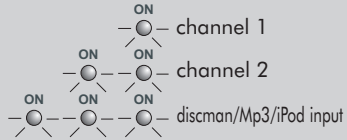
While the control unit is receiving an intercom call, press the ON/OFF key to cancel the reception of the call in that room.

ON/OFF

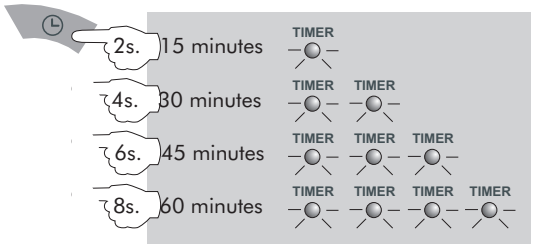
Change memory of the central unit's FM tuner

Only when the central unit's FM tuner (channel number 2) is selected as the music channel and when the "remote scan" function is active.

Changes music channel



Activate timer for auto-off

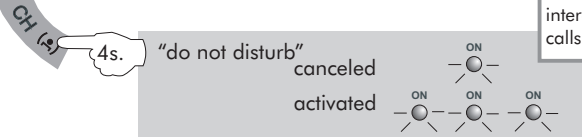
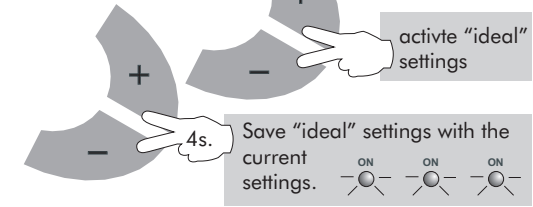


louder volumen

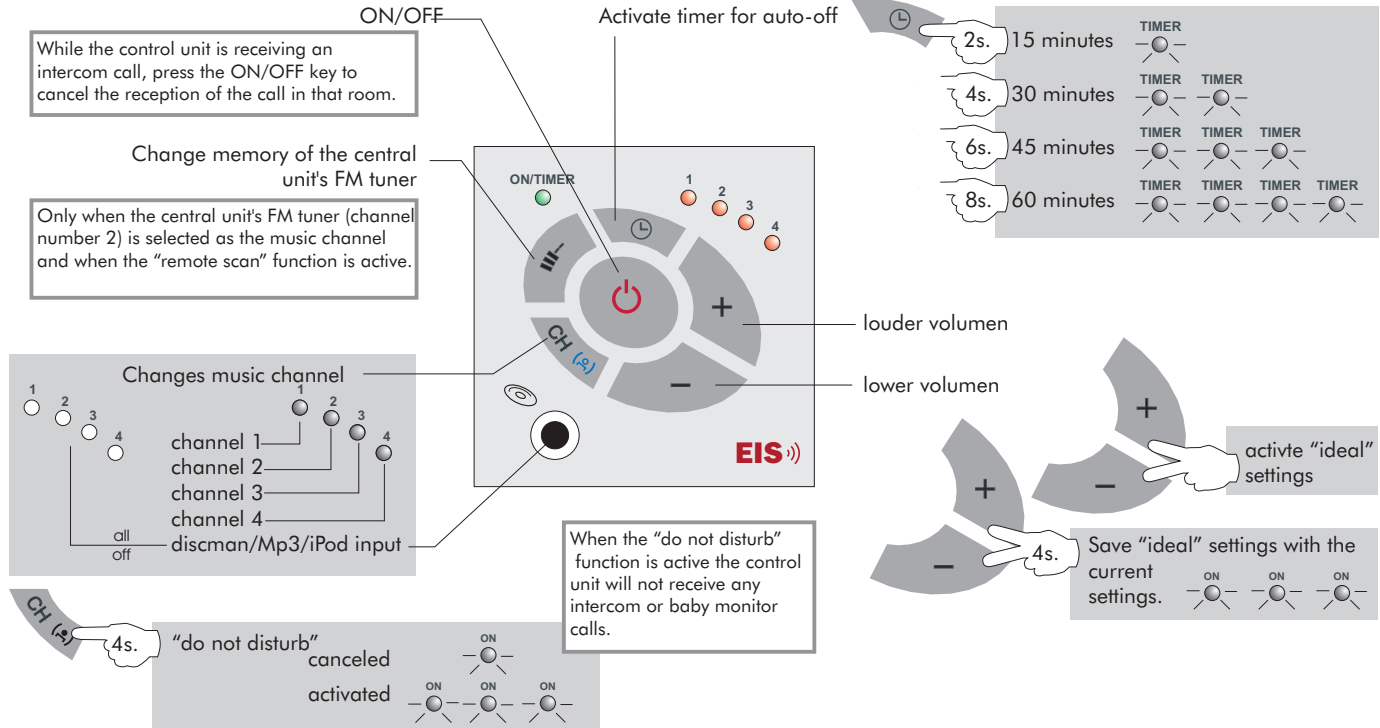
lower volumen

active "ideal" settings

When the "do not disturb" function is active the control unit will not receive any intercom or baby monitor calls.



### 3.4. Four Channel Control Unit (ref. 32195)



### 3.5. One Channel + FM Tuner Control Unit (ref. 32196)

#### 3.5.1. Using the Audio Functions

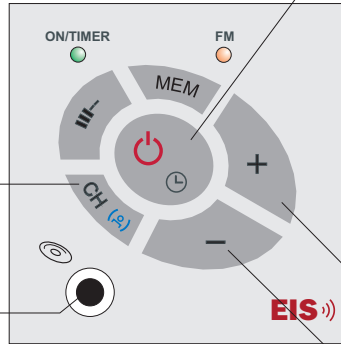
While the control unit is receiving an intercom call, press the ON/OFF key to cancel the reception of the call in that room.

Changes music channel

channel 1

FM tuner

discman/Mp3/iPod input



ON/OFF

2s. 15 minutes

4s. 30 minutes

6s. 45 minutes

8s. 60 minutes

louder volumen

lower volumen

activate "ideal" settings

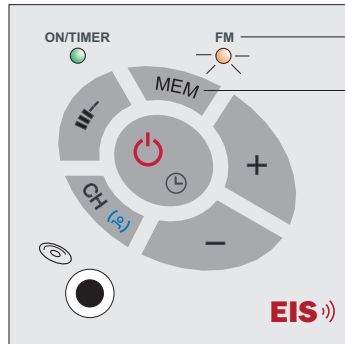
When the "do not disturb" function is active the control unit will not receive any intercom or baby monitor calls.

4s. "do not disturb" canceled

activated

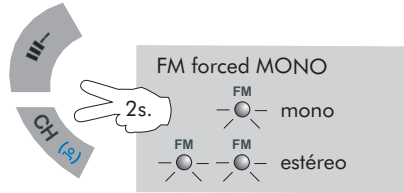
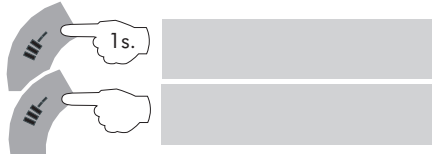
4s. Save "ideal" settings with the current settings.

### 3.5.2. Using the FM Tuner



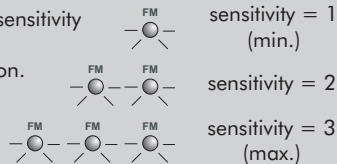
The functions for using the FM tuner are only active when the control unit's FM tuner itself is selected as the music channel.

Switches to next station in memory



5s.

Adjust the sensitivity of tuner's seek function.



#### FM Tuner memory pre-sets

5s.

Seek and automatic store of stations with the best reception quality.

5s.

Saves the station in the memory.



5s.

Deletes the station from the memory.



### 3.6. Two Channels + Intercom Control Unit (ref. 32199)

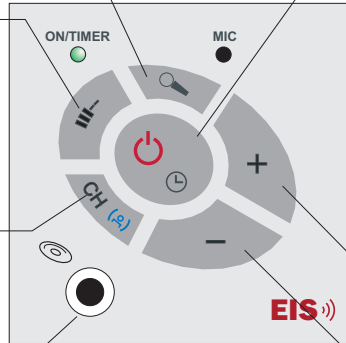
**Intercom call**  
As long as the intercom call key is pressed the signal captured by the microphone will be transmitted to all the control units except those having the "do not disturb" function activated.

See 3.7. Communication Functions

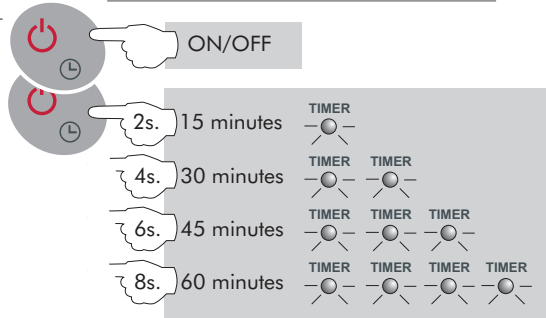
**Change memory of the central unit's FM tuner**  
Only when the central unit's FM tuner (channel number 2) is selected as the music channel and when the "remote scan" function is active.

**Changes music channel**

- channel 1
- channel 2
- discman/Mp3/iPod input



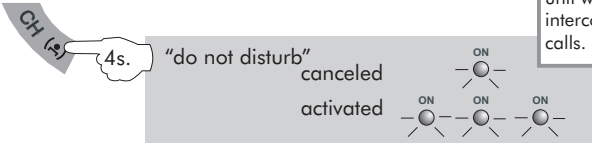
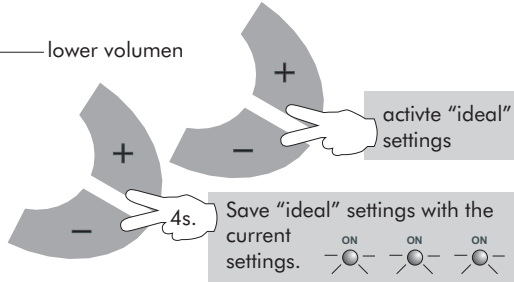
While the control unit is receiving an intercom call, press the ON/OFF key to cancel the reception of the call in that room.



louder volumen

lower volumen

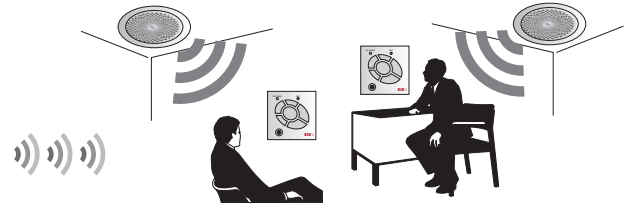
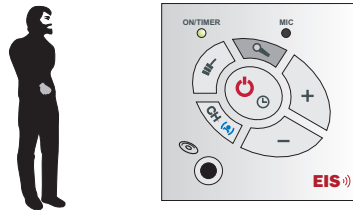
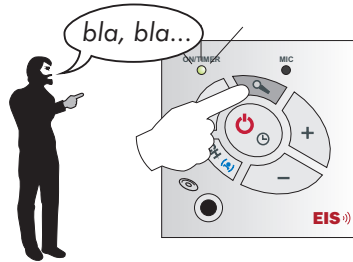
When the "do not disturb" function is active the control unit will not receive any intercom or baby monitor calls.



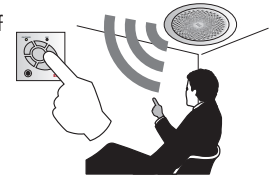
## 3.7. Communication Functions

### 3.7.1. Intercom Calls

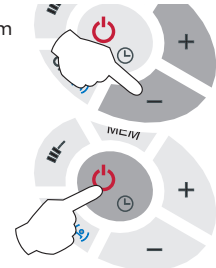
- ▶ To begin the intercom call, press the call key and keep it pressed while talking.
- ▶ The ON led will be illuminated only when the intercom channel is free. That will be in the indication that the intercom call is being transmitted correctly.
- ▶ If the intercom channel is being used at the time, the ON led will not be illuminated.
- ▶ The intercom call will last as long as the call key is pressed.
- ▶ When the key is released the control unit terminates the operation.



- ▶ To change the volume of intercom calls received, press + (to louder volume) or (to lower volume) while the intercom call is being received.



- ▶ At the conclusion of the intercom call whatever volume has been set is the value that is saved to memory.
- ▶ Any receiver can terminate the intercom call by pressing the ON/OFF key.



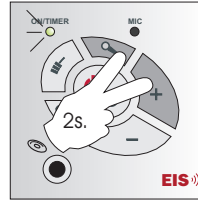
### 3.7.2. Electronic Baby Monitor

- ▶ The baby monitor is a “general intercom call” which begins transmission automatically whenever a control unit detects noise in a room where it is installed.
- ▶ The control unit with the “baby monitor” function activated must be in the OFF state (music cancelled). The functions of the remaining control units of the installation will function normally, that is, play music, transmit general intercom calls, and the like.

... continued



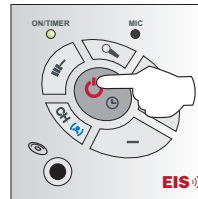
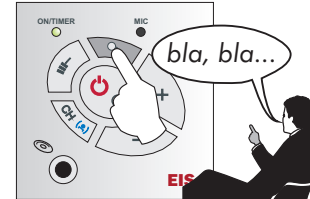
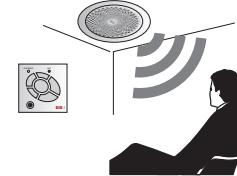
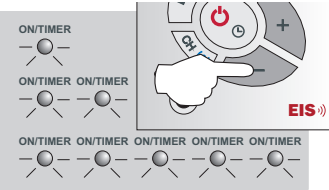
- ▶ The “baby monitor” function is activated on the control unit that acts as the transmitter (located in the area that is to be monitored). Simultaneously press the call and + keys for two seconds. The ON led will blink several times to indicate the level of microphone sensitivity programmed at that time. To adjust to a different sensitivity level, press + (to increase) or (to decrease).
- ▶ When the baby monitor function is activated, the led will blink periodically indicating the adjusted sensitivity.
- ▶ When sound is detected in the area to be monitored a general intercom call will be transmitted without any action being executed on the keypad. To cancel the receipt of baby monitor intercom calls on any control unit the “do not disturb” function can be activated.
- ▶ The general intercom call will last as long as the sound level does not go below the degree defined as the sensitivity level.
- ▶ The baby monitor function is not exclusive and allows for general intercom calls as described in the previous point. That is, an intercom call can be made while the function is active (as long as the intercom call channel is free).
- ▶ In addition, several baby monitor operations can concur in a single installation. Because there is only one intercom channel, however, it must be noted that when sound is detected in the area where the baby monitor function is activated and the intercom channel is in use at that time, the baby monitor intercom call will not be transmitted until the first call has concluded.



sensitivity = 1  
(min.)

sensitivity = 2  
...

sensitivity = 5  
(max.)



- ▶ To cancel the baby monitor function, press the ON/OFF key on the control unit where it had been activated.

**IMPORTANT:** Only use the maximum sensitivity level in extremely quiet atmospheres.

Electrónica Integral de Sonido, S.A. is not responsible for any errors or omissions that may appear in this manual and reserves the right to introduce changes without prior notice.

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