

### FEATURES

- External 24VDC power supply.
- Auxiliary audio line input.
- Bluetooth connection with up to 2 paired devices.
- Bluetooth version 4.2 supported.
- Two amplified mono or stereo outputs
- Total data saving on KNX bus failure.
- Integrated KNX BCU.
- Dimensions 165 x 44 x 23mm.
- Surface-mounted inside non-metallic panels or boxes.
- Conformity with the CE directives (CE-mark on the front side).

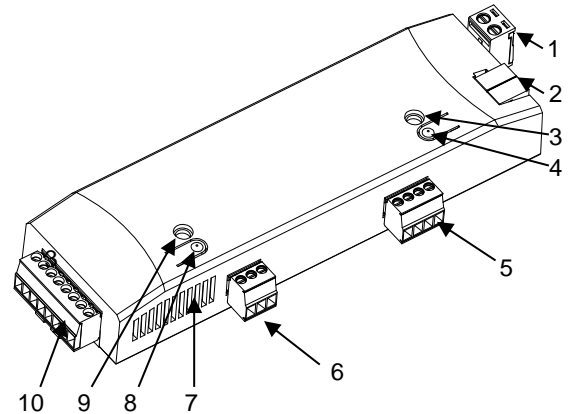


Figure 1. AudiInRoom

|                          |                        |                    |                       |                             |
|--------------------------|------------------------|--------------------|-----------------------|-----------------------------|
| 1. External supply       | 2. KNX connector       | 3. Programming LED | 4. Programming button | 5. IR emitter (without use) |
| 6. Auxiliary audio input | 7. Ventilation opening | 8. Test button     | 9. Test LED           | 10. Amplified outputs       |

**Programming button:** short press to set programming mode. If this button is held while plugging the device into the KNX bus, it enters the safe mode.

**Programming LED:** programming mode indicator (red). When the device enters the safe mode, it blinks (red) every half second. During the start-up (reset or after KNX bus failure) and if the device is not in safe mode, it emits a red flash.

**Test button:** Long press to enter the Bluetooth pairing mode.

**Test LED:** KNX bus failure (red flashing), Bluetooth pairing mode (green) and device on with Bluetooth active (blue). Red light can be combined with other colors if both indications are active at the same moment.

### GENERAL SPECIFICATIONS

| CONCEPT                       |                     | DESCRIPTION   |      |       |
|-------------------------------|---------------------|---|------|-------|
| Type of device                |                     | Electric operation control device   |      |       |
| KNX supply                    | Voltage (typical)   | 29VDC SELV  |      |       |
|                               | Voltage range       | 21...31VDC  |      |       |
|                               | Maximum consumption | Voltage   | mA   | mW    |
|                               |                     | 29VDC (typical)   | 3.22 | 93.38 |
| 24VDC <sup>(1)</sup>          | 10                  | 240   |      |       |
| Connection type               |                     | Typical TP1 bus connector for 0.80mm Ø rigid cable  |      |       |
| External power supply         |                     | 24VDC   |      |       |
| Operation temperature         |                     | 0°C to +40°C  |      |       |
| Storage temperature           |                     | -20°C to +55°C  |      |       |
| Operation humidity            |                     | 5 to 95% RH (no condensation)   |      |       |
| Storage humidity              |                     | 5 to 95% RH (no condensation)   |      |       |
| Complementary characteristics |                     | Class B   |      |       |
| Protection class              |                     | III   |      |       |
| Operation type                |                     | Continuous operation  |      |       |
| Device action type            |                     | Type 1  |      |       |
| Electrical stress period      |                     | Long  |      |       |
| Degree of protection          |                     | IP20, clean environment   |      |       |
| Installation                  |                     | Independent device to be surface-mounted inside non-metallic electrical panels or boxes. The installation is also possible in false ceiling.  |      |       |
| Minimum clearances            |                     | Ventilation openings must not be blocked.   |      |       |
| Radio coverage Bluetooth      |                     | Up to 25m <sup>(2)</sup>  |      |       |
| Response on KNX bus failure   |                     | Data saving according to parameterization   |      |       |
| Response on KNX bus restart   |                     | Data recovery according to parameterization   |      |       |
| Operation indicator           |                     | The programming LED indicates programming mode (red).<br>The Test LED indicates KNX bus failure (red flashing), Bluetooth pairing mode (green) and device on with Bluetooth active (blue). Red light can be combined with other colors if both indications are done at the same moment. |      |       |
| Weight                        |                     | 103g  |      |       |
| PCB CTI index                 |                     | 175V  |      |       |
| Housing material              |                     | PC FR V0 halogen free   |      |       |

<sup>(1)</sup> Maximum consumption in the worst case scenario (KNX Fan-In model)

<sup>(2)</sup> The presence of obstacles, surfaces or walls could modify or reduce the coverage distance.

| POWER SUPPLY SPECIFICATIONS AND CONNECTIONS |                   |   |
|---|-------------------|---|
| CONCEPT                                     |                   | DESCRIPTION   |
| Power supply protection fuse                | Voltage / Current | 24V / 5A  |
|   | Response type     | F (Fast acting)                                     |
| Maximum current <sup>(3)</sup>              |                   | 2.5A  |
| Connection method                           |                   | Pluggable screw terminal block                      |
| Cable cross-section                         |                   | 0.5mm <sup>2</sup> to 2.5mm <sup>2</sup> (26-12AWG) |

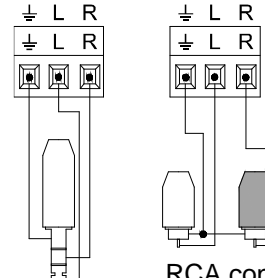
<sup>(3)</sup> Power supply ZPS-AUX1 is recommended

| AUX INPUT SPECIFICATIONS AND CONNECTIONS |  |   |
|--|--|---|
| CONCEPT                                  |  | DESCRIPTION   |
| Input type                               |  | Asymmetric input (stereo)                           |
| Connection method                        |  | Pluggable screw terminal block                      |
| Maximum cable length                     |  | 30m   |
| Cable cross-section                      |  | 0.5mm <sup>2</sup> to 1.5mm <sup>2</sup> (26-16AWG) |

| AMPLIFIED OUTPUTS SPECIFICATIONS AND CONNECTIONS |  |  |
|--|--|--|
| CONCEPT  |  | DESCRIPTION  |
| Channels quantity and type                       |  | 2 stereo or mono channels                            |
| Output type <sup>(4)</sup>                       |  | Amplified output                                     |
| Loudspeaker impedance allowed                    |  | 4 to 16Ohm   |
| Minimum loudspeaker power allowed                |  | 10W  |
| Overload protection                              |  | Yes  |
| Overvoltage protection                           |  | Yes  |
| Connection method                                |  | Pluggable screw terminal block                       |
| Maximum cable length                             |  | 30m  |
| Cable cross-section                              |  | 0.5mm <sup>2</sup> to 1.5mm <sup>2</sup> (26-16 AWG) |

<sup>(4)</sup> Loudspeaker ZAC-LS3 or ZAC-LS4 is recommended

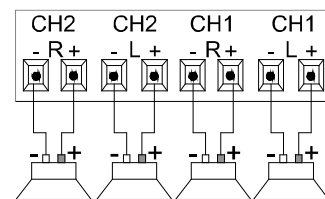
### AUX INPUT CONNECTION



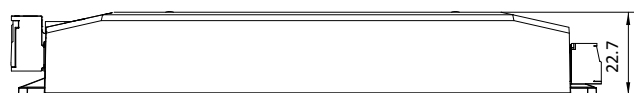
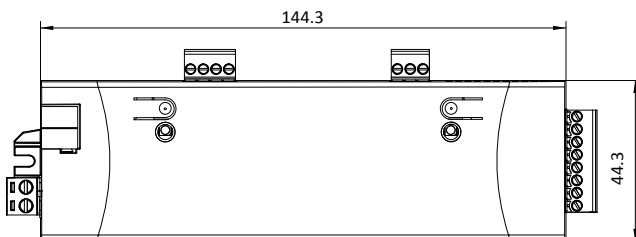
Jack connector  
(6.3, 3.5 o 2.5)

RCA connector

### AMPLIFIED OUTPUT CONNECTION



### DIMENSIONS



### SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Do not connect the mains voltage nor any other external voltage to any point of the KNX bus; it would represent a risk for the entire KNX system. The facility must have enough insulation between the mains (or auxiliary) voltage and the KNX bus or the wires of other accessories, in case of being installed.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <http://zennio.com/weee-regulation>.

