TELECO AUTOMATION SRL - Via dell'Artigianato, 16 - 31014 Colle Umberto (TV) ITALY
TELEPHONE: ++39.0438.388511 FAX: ++39.0438.388536 - www.telecoautomation.com
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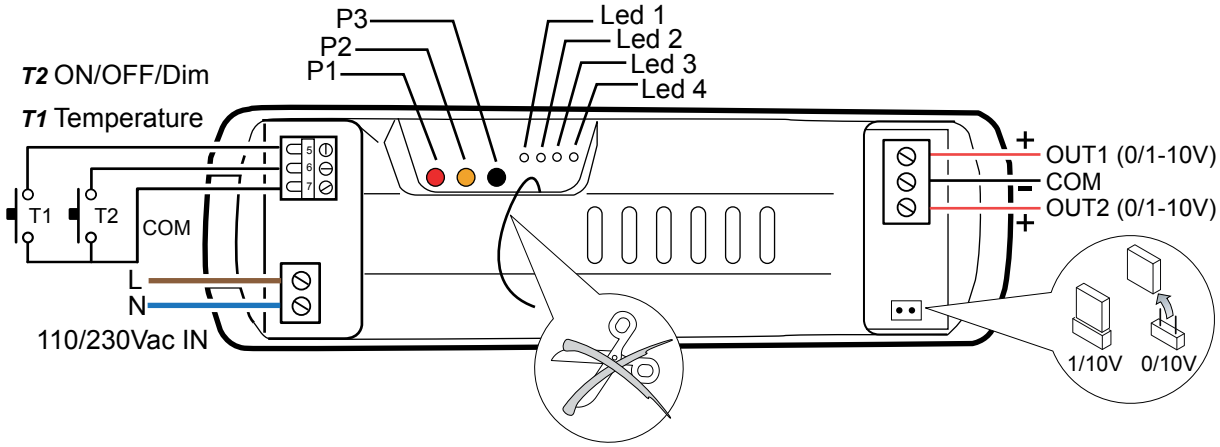
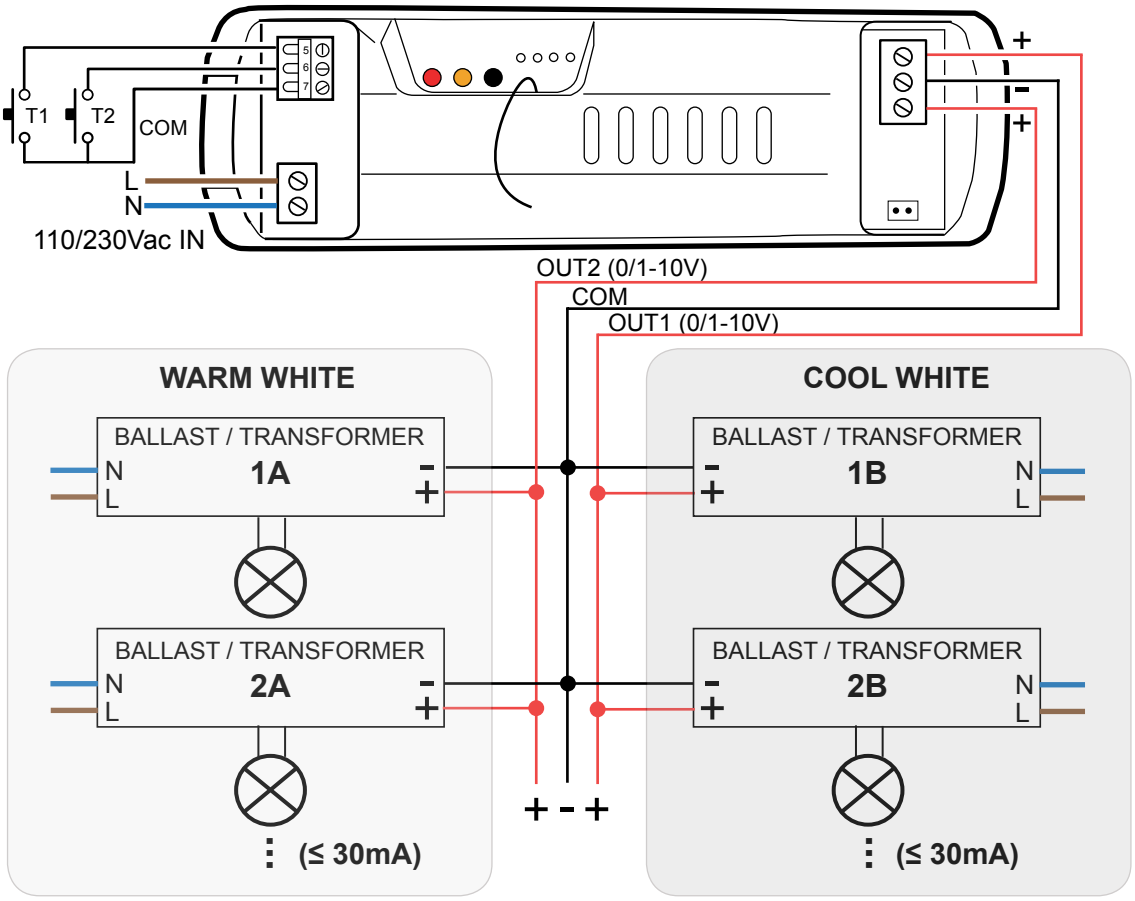
110/230ac RADIO RECEIVER WITH 0/10V - 1/10V OUTPUTS - CONTROLLER FOR TUNABLE WHITE AND DIMMER -

Product codes: **TVDMM868W10** (868Mhz) **TVDMM916W10** (916Mhz)

The product has 2 output for the connection of 0/1-10V devices controlling a cool white light and a warm white light. It allows to adjust the "temperature" of the colour, mixing the output from cool white to warm white.

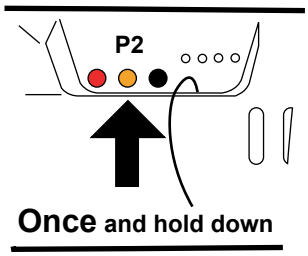


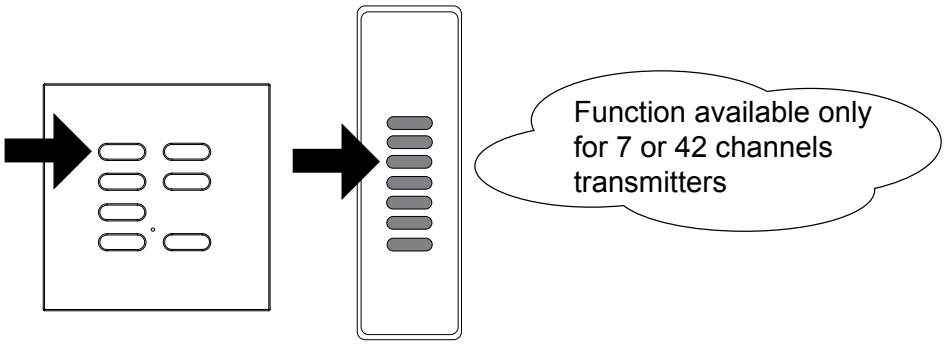
1 - Wiring diagram



Using the wired push-buttons:
Short pulses of **T2** (<800ms) **=** the scene turns ON and OFF.
Longer presses of **T2** (>800ms) = dim the light intensity of the scene.
T1 = cyclical temperature adjustment, moving from cool and warm white (if the output are ON).

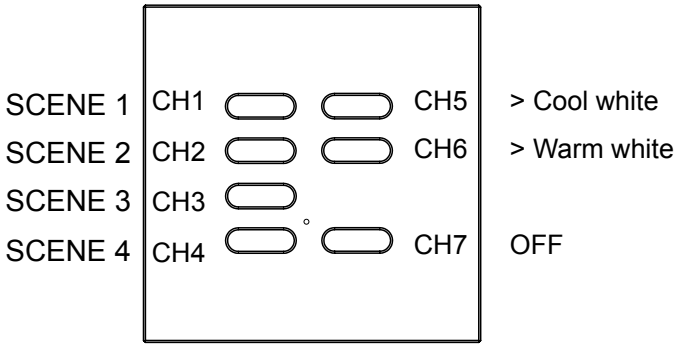
2 - Memorization of 7 channels transmitters





1- Press the push button **P2 once and hold** it down, the buzzer will make a beep and then sound continuously.

2- During the sound press any button of the 7 channels transmitter which has to be memorized. The memorization is indicated by the intermittently sound of the buzzer. All the buttons of the transmitter are automatically memorized.

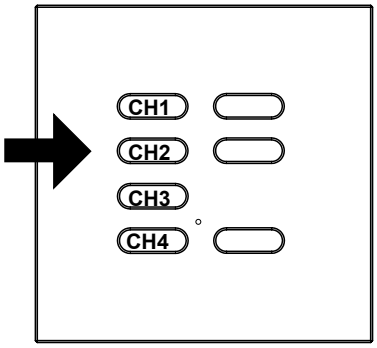


Short presses of the buttons CH1..4 command the memorized scenes.
Longer presses allow to dim the light intensity of the selected scene.

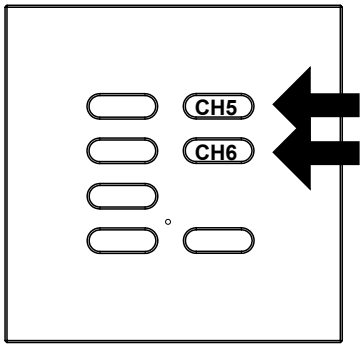
Short or long presses of the buttons CH5 and CH6 adjust the “temperature” of the colour in both directions.

Short press of CH7 turns OFF the output, with fade effect.

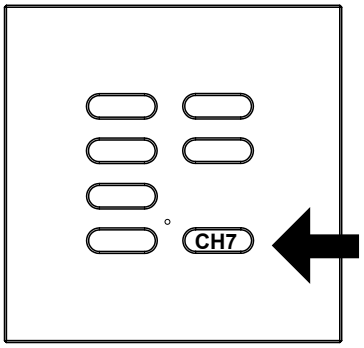
2.1 - To change the preset scenes of the 7 channels transmitters



press the scene to modify



adjust new value



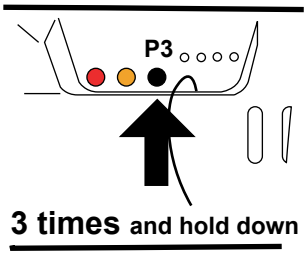
press and hold more than 5s

1- Press the button related to the scene to modify

2- Adjust the new value with the buttons CH5 and CH6

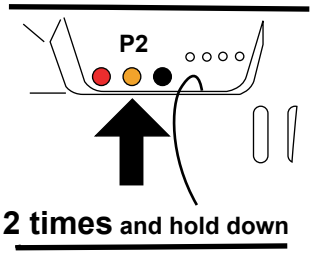
3- Press the button CH7 and hold it down for 5 sec. Light turns off. After 5 sec. buzzer makes a beep and the light turns on at the new value.

2.2 - Reset the scenes to the factory values

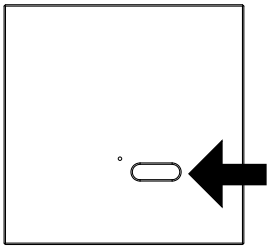


1 - Turn off the light.
2 - Press **three times** the button **P3** and hold it down for 10 seconds.
3 - After 10 sec. the buzzer makes a beep and the light flashes once.

3 - Memorization of any transmitter button with ON function (ON at the previous scene)

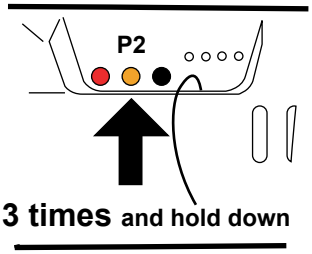


1- Press the push button **P2 two times and hold** it down, the buzzer will make a beep each time and then sound continuously.

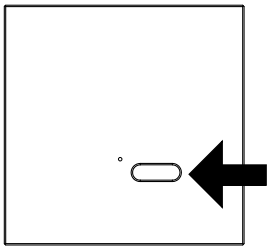


2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

4 - Memorization of any transmitter button with OFF function



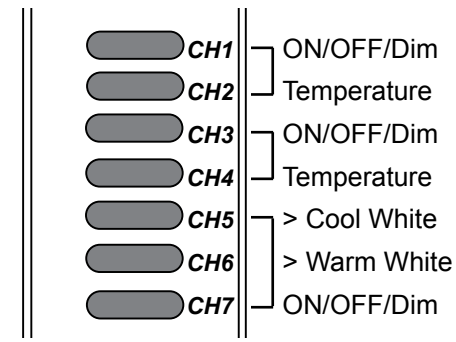
1- Press the push button **P2 three times and hold** it down, the buzzer will make a beep each time and then sound continuously.



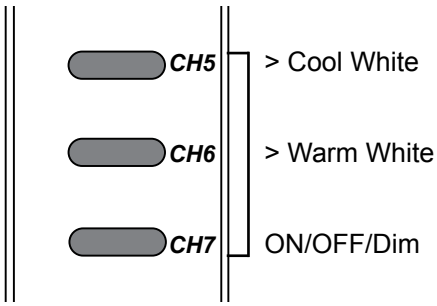
2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

5 - Memorization of a pair of transmitter buttons

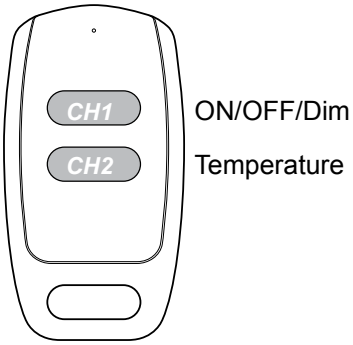
With short pulses (< 800ms) of the first button of the pair, the scene turns on and off.
With longer presses (> 800ms) it's possible to dim the light intensity of the scene.
The second button of the pair is used for cyclical temperature adjustment, moving from cool and warm white (if the output are ON). The new value is automatically memorized at the end of the adjustment.
In case of 3 channels transmitter or CH5, CH6, CH7 buttons of a 7 channels transmitter, temperature is adjusted in two directions using CH5 and CH6. CH7 has the same function of the first button of any pair.



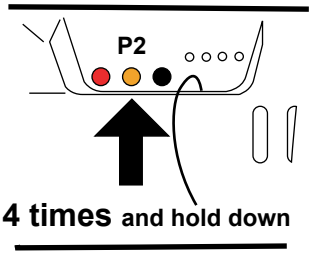
7 channels transmitter



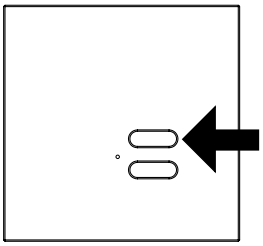
3 channels transmitter



2 channels transmitter



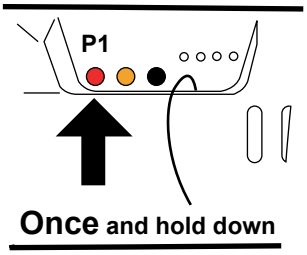
1- Press the push button **P2 four times and hold** it down, the buzzer will make a beep each time and then sound continuously.



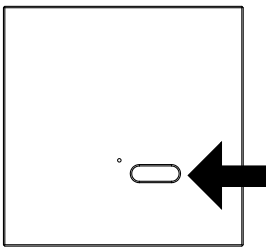
2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

6.1 - Memorization of any transmitter button with On/Off/Dim function for SCENE 1

Short pulses (<800ms) = scene ON/OFF, longer presses (>800ms) = dim the light intensity.



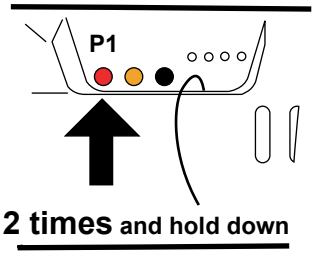
1- Press the push button **P1 once and hold** it down, the buzzer will make a beep each time and then sound continuously.



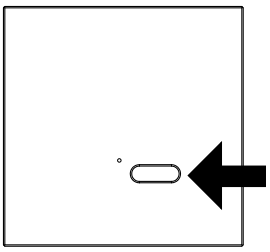
2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

6.2 - Memorization of any transmitter button with On/Off/Dim function for SCENE 2

Short pulses (<800ms) = scene ON/OFF, longer presses (>800ms) = dim the light intensity.



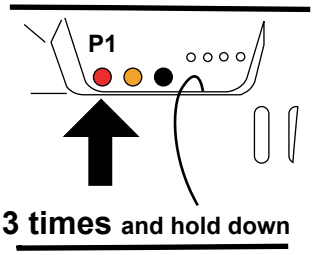
1- Press the push button **P1 two times and hold** it down, the buzzer will make a beep each time and then sound continuously.



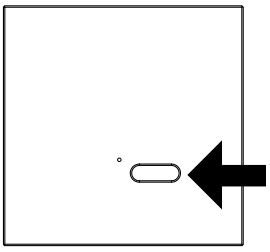
2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

6.3 - Memorization of any transmitter button with On/Off/Dim function for SCENE 3

Short pulses (<800ms) = scene ON/OFF, longer presses (>800ms) = dim the light intensity.



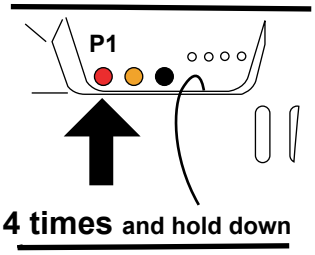
1- Press the push button **P1 three times and hold** it down, the buzzer will make a beep each time and then sound continuously.



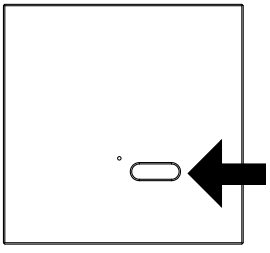
2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

6.4 - Memorization of any transmitter button with On/Off/Dim function for SCENE 4

Short pulses (<800ms) = scene ON/OFF, longer presses (>800ms) = dim the light intensity.

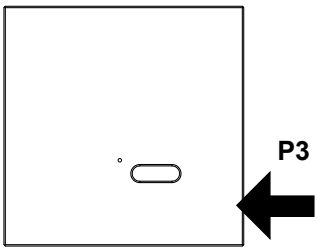


1- Press the push button **P1 four times and hold** it down, the buzzer will make a beep each time and then sound continuously.

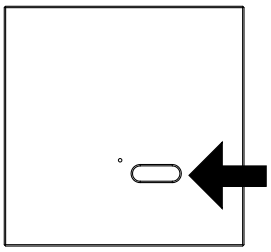


2- During the sound press the button to memorize; the memorization is indicated by the intermittently sound of the buzzer.

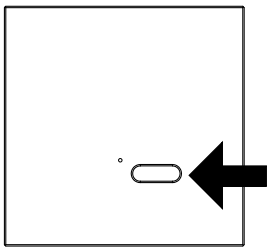
7 - Copying the function of a transmitter to a new transmitter



1- Press the button **P3** of the **already memorized transmitter**. The enabled receiver sound continuously.

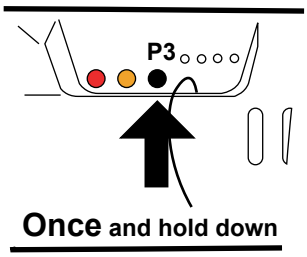


2- Within 5 seconds press a button of the **already memorized transmitter** from which the function has to be copied. The buzzer will interrupt the sound for 1 sec., then starts again for 5 seconds.

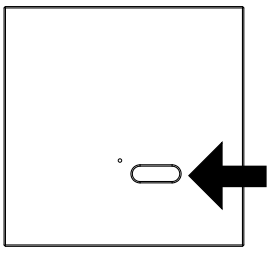


3- During the sound press the button of the **new transmitter** which has to be memorized; the memorization is indicated by the intermittently sound of the buzzer.

8 - Deleting a transmitter

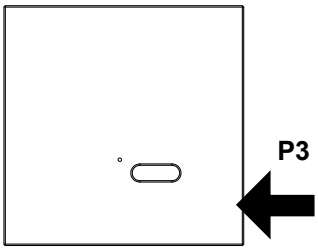


1- Press the push button **P3 once and hold** it down, the buzzer will make a beep each time and then sound slowly and intermittently.

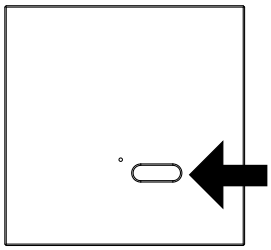


2- During the sound press the button which has to be deleted; the deletion is indicated by the continuously sound of the buzzer.

8.1 - Deleting a transmitter with an already memorized transmitter

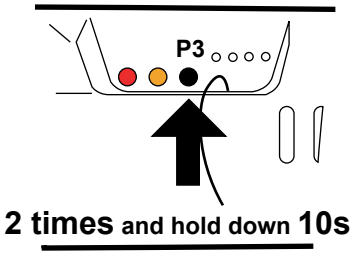


1- Press the button **P3** of the **transmitter**. The enabled receiver emits a slow intermittent sound.



2- Within 5 sec. press the button to delete, the buzzer emits a continuous sound to confirm the deletion.

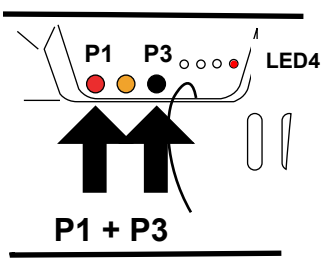
8.2 - Deleting all the transmitters



1- Press the push button **P3 two time and hold** it down, the buzzer will make a beep each time and then sound quickly and intermittently.

2- Hold down the push button for 10 sec., at the end the buzzer will sound continuously by indicating that the memory has been cancelled.

9 - Memory activation/ deactivation of the last value of light intensity



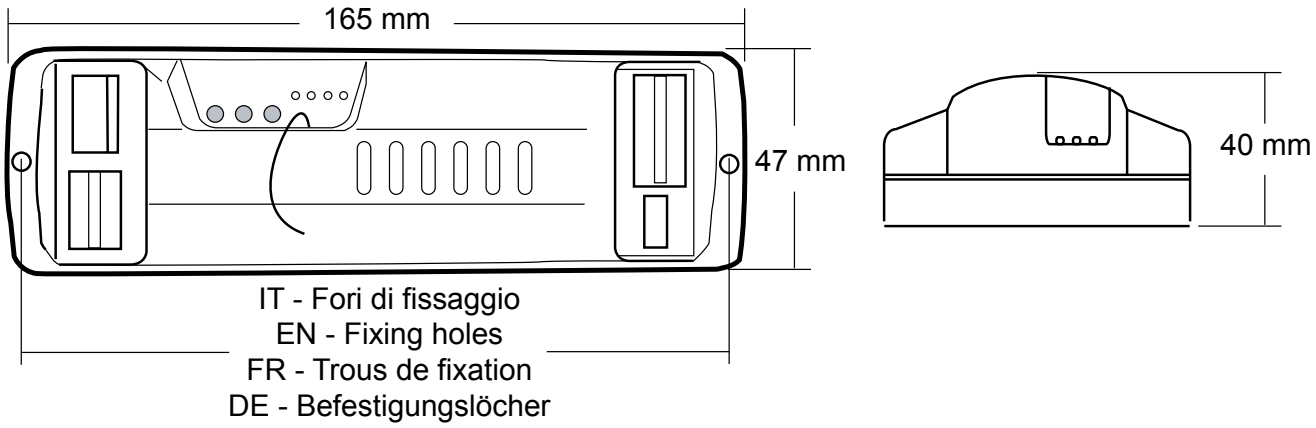
ACTIVATION
Press **P1+P3**

- led 4 turns ON
- the output blink twice
- the buzzer sounds

DEACTIVATION
Press **P1+P3**

- led 4 turns OFF
- the output blink three times
- the buzzer sounds

Mounting



Warnings

READ CAREFULLY THIS INSTRUCTIONS BEFORE INSTALLING AND COMMISSIONING THE PRODUCT. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

PRODUCT INSTALLATION

The product at issue must be installed, commissioned and maintained only by licensed and authorised people, respecting the laws concerning the electrical installations. Not conforming installations, wrong adjustments or product alterations may cause fire, electric shock, or personal injuries. The manufacturer is not responsible for any damage due to wrong installation or improper use. **Attention: at the power-on the device resumes the status it had before the turning-off.**

ELECTRICAL CONNECTIONS

All the connections must be rated for a single-phase 230Vac power supply, with the relative Earth connection. For the disconnection from the power line, use an all-pole switch with contacts having a dimension of at least 3,5mm. Arrange **all the necessary safety devices** and use only materials complying with the standard of electrical installations. The cable must have a section properly rated according to the load connected. **Attention:** If any cable is damaged, it must be immediately replaced by a qualified person in order to avoid any hazard.**manufacturer reserves the right for changing technical data and features without prior notice.**

SAFETY INFORMATION

Do not operate in the high voltage area of the electronic board, when it is supplied. Use the product only in combination with devices which can guarantee a safe extended time functioning. The radio signal reception of the device could be disturbed by the presence of electrical disturbances being transmitted by other appliances working on the same frequency or if the product is somehow shielded by metal parts.

PRODUCT DISPOSAL

At the end of this product's useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment. It is the user's responsibility to dispose of this appliance through the appropriate channels at the end of its useful life. Failure to do so may incur the penalties established by laws governing waste disposal.

Hereby Teleco automation s.r.l. declares that the product complies with the essential requirements and other relevant provisions, established by the Directive 1999/5/EC. The declaration of conformity can be consulted on the web site: *www.telecoautomation.com/ce*. **In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice.**

TECHNICAL SPECIFICATIONS

-Power supply	110-240Vac ±5% 50/60Hz	-Reception frequency	868.3 MHz (TVDMM868W10) 916 MHz (TVDMM916W10)
-Max. power for each output	30mA		
-Cable sections in input	2,5 mm^2 with maximum load	-Operating temperature range	-20° - +50°C

The connection cables must have a section suitable to the maximum load applied to the output, and to the additional devices connected to the input.

- Possibility to memorize up to 42 standard transmitters.

Teleco Automation S.r.l.
Italy

Tel. +39.0438.388511
Fax +39.0438.388536
info@telecoautomation.com

Teleco Automation France
France

Tel. +33.(0)472.145080
Fax +33.(0)472.140503
info@telecofrance.com

Teleco Automation GmbH
Germany

Tel. +49.(0)8122.9563024
Fax +49.(0)8122.9563026
info.de@telecoautomation.com

Teleco Automation Oceania Pty Ltd
Australia

Tel. +61.(07)5502.7801

info@telecoautomation.com.au