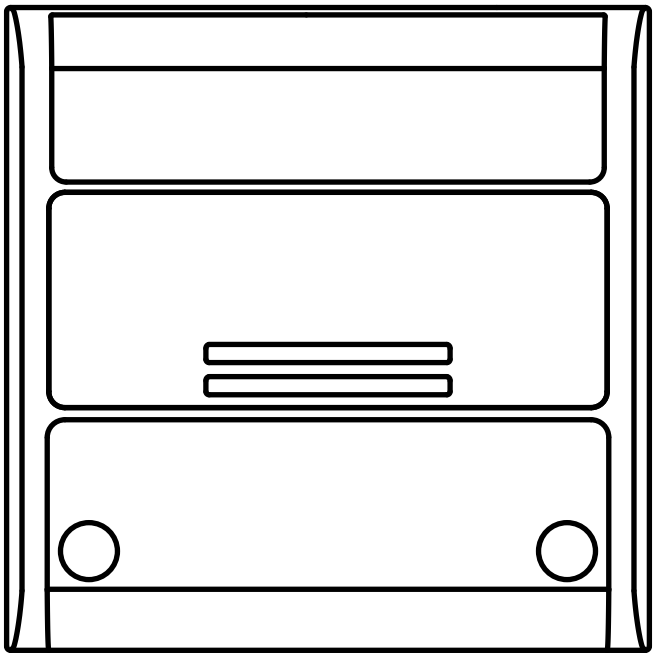
PLANO-V10/4



note: voice control compatibility
is only available where 4
synchronised outputs are set

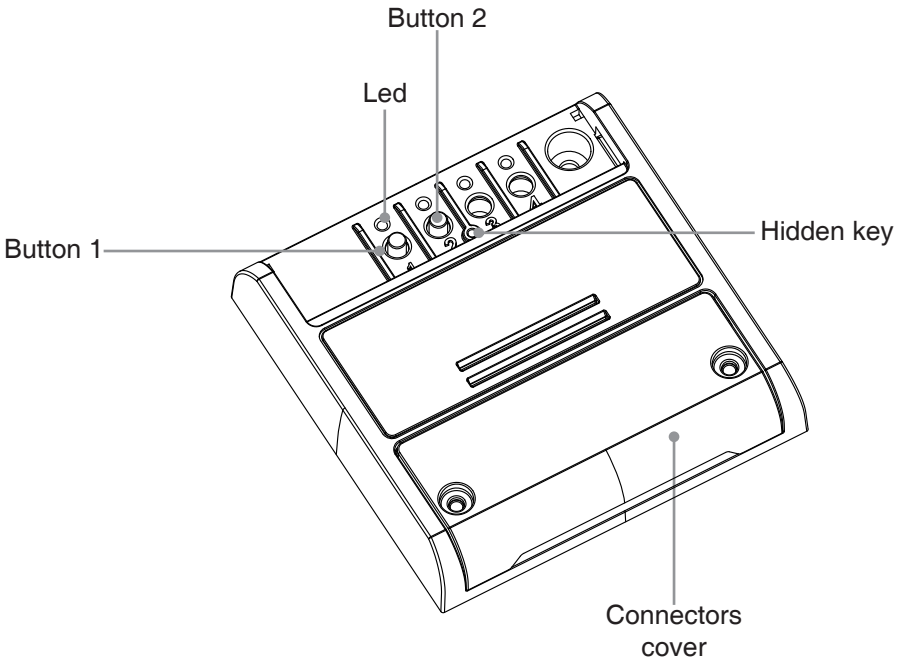
Universal control unit for single colour constant voltage LEDs 12-24Vdc, selectable software for outputs number.
Power supply 12-24Vdc, Max 5A /output (max 10A total).
Integrated 433.92 MHz radio receiver.

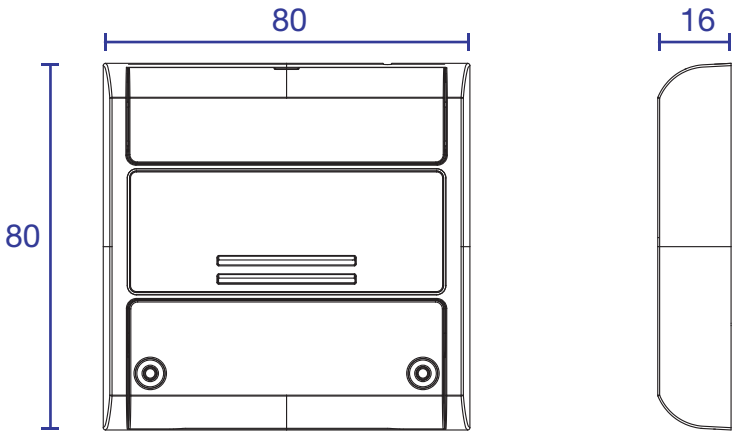
INDEX

1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

Power supply (Input)	12 - 24 Vdc
LED type (Output)	Constant tension single color LED
Max power load (Output)	5A per output, max 10 A total (4 outputs)
N° of programmable transmitters	30
RF receiver frequency	433.920MHz
Protection rating	IP20
Working temperature	-20° +55°
Box dimensions	80 X 80 h16 mm





2 - CONNECTION DIAGRAMS

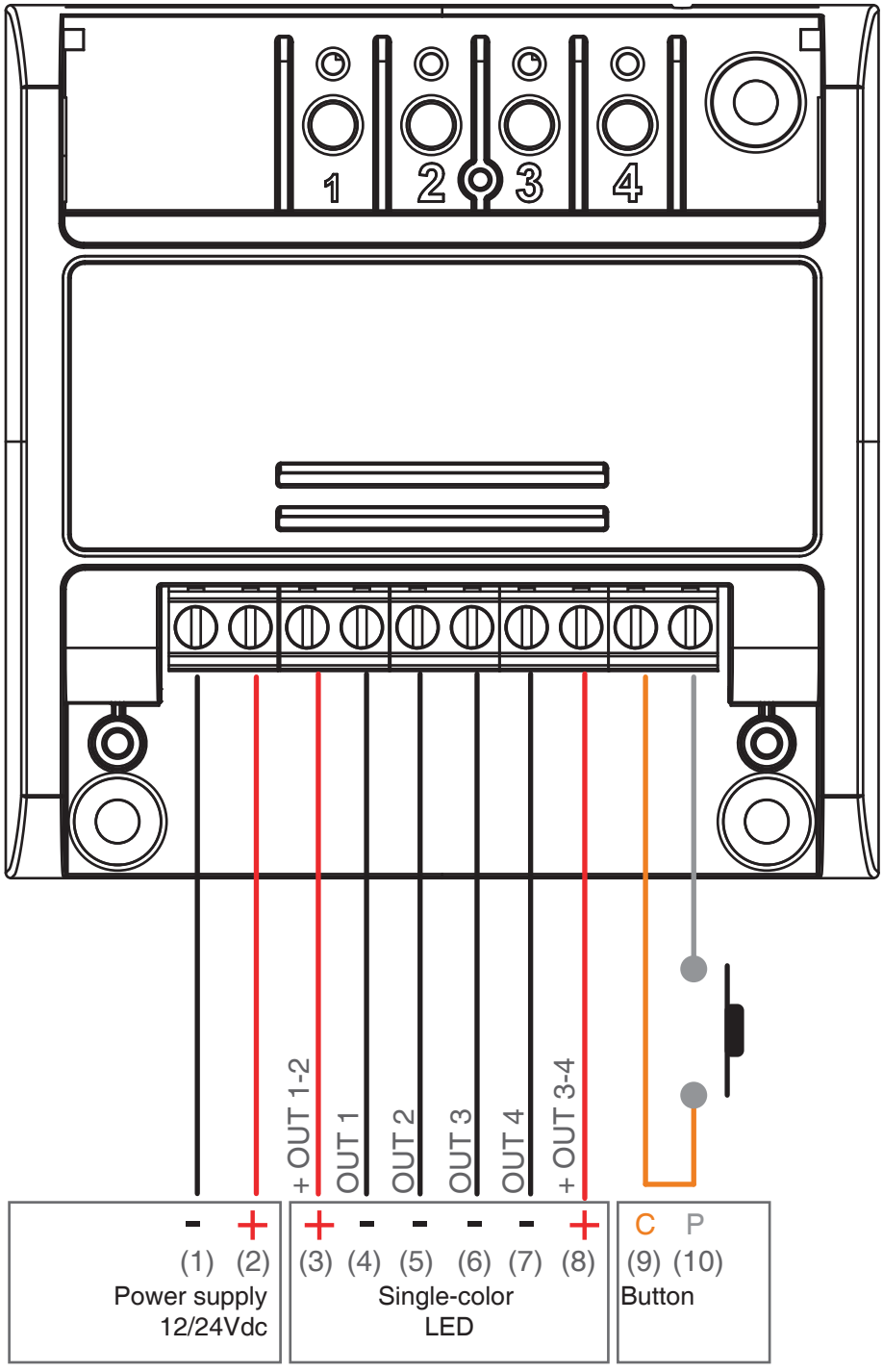
This control unit can manage 1, 2, 3 or 4 lines of single-colour LED strip lights. By default, operation is set to two single-colour strip lights. If a different strip type is used, follow the paragraph 3 procedure.

RECOMMENDATIONS

- Installation must be carried out only by professional technicians in accordance with the applicable electrical and safety regulations.
- All connections shall be operated without electrical voltage.
- Use proper cables.
- Don't cut the antenna
- Provide in the power line twith an appropriate disconnection device
- Dispose of waste materials in full compliance with local law.
- Do not exceed the specified load limits and use correctly protected power supplies.

2.1 SINGLE-COLOR CONNECTION DIAGRAM

The control unit is set by default to manage two lines of single-colour strip lights.
To change the setting, follow the procedure in paragraph 3.



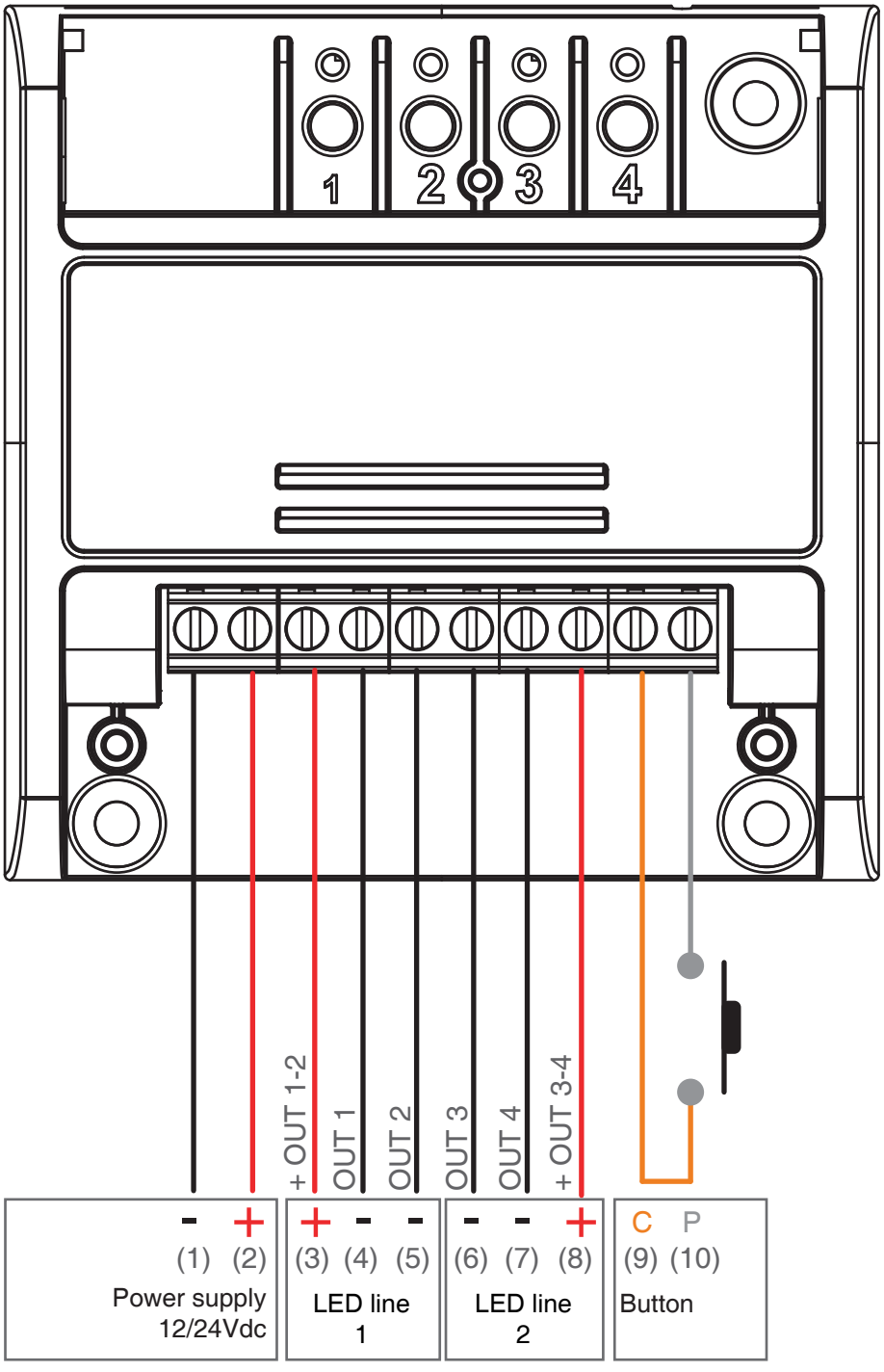
USE VIA WIRE
SHORT PRESS:
On-Off for all lights
LONG PRESS:
Up/down dimmer for all lights

WARNING:

- Connect up to 5A per output and max total 10A
- The outputs are synchronized

2.2 CONNECTING TWO LINES OF SINGLE-COLOUR STRIP LIGHTS

By default, operation is set to two single-colour strip lights.



WARNING:

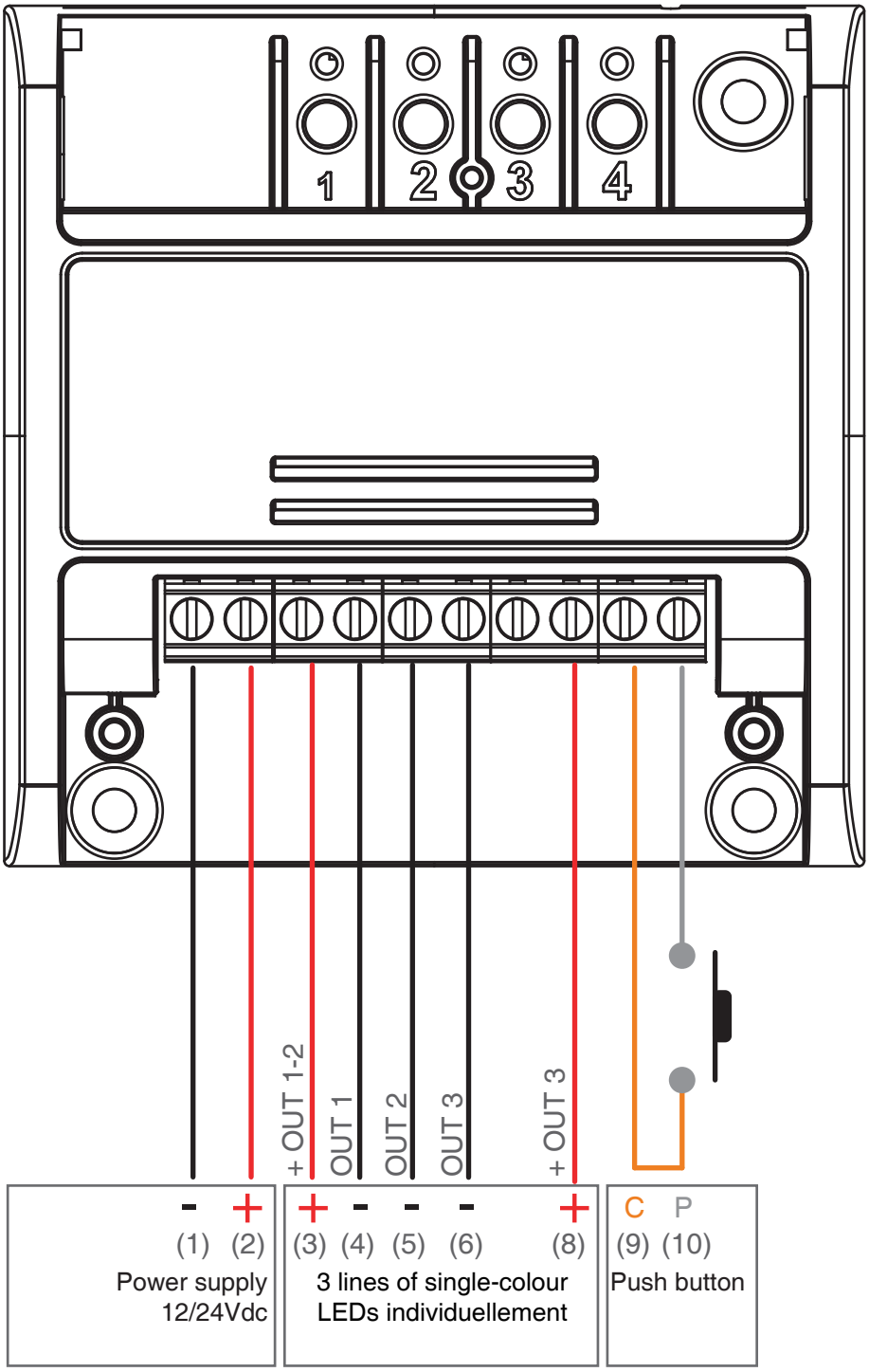
- Connect up to 5A per output and max total 10A
- The operation of outputs 1 and 2 (terminals 4 and 5) is synchronised.
- The operation of outputs 3 and 4 (terminals 6 and 7) is synchronised.

USE VIA WIRE

SHORT PRESS:	On-Off for all lights
LONG PRESS:	Up/down dimmer for all lights

2.3 CONNECTING THREE LINES OF SINGLE-COLOUR STRIP LIGHTS

The control unit is set by default to manage two lines of single-colour strip lights.
To change the setting, follow the procedure in paragraph 3.



WARNING:

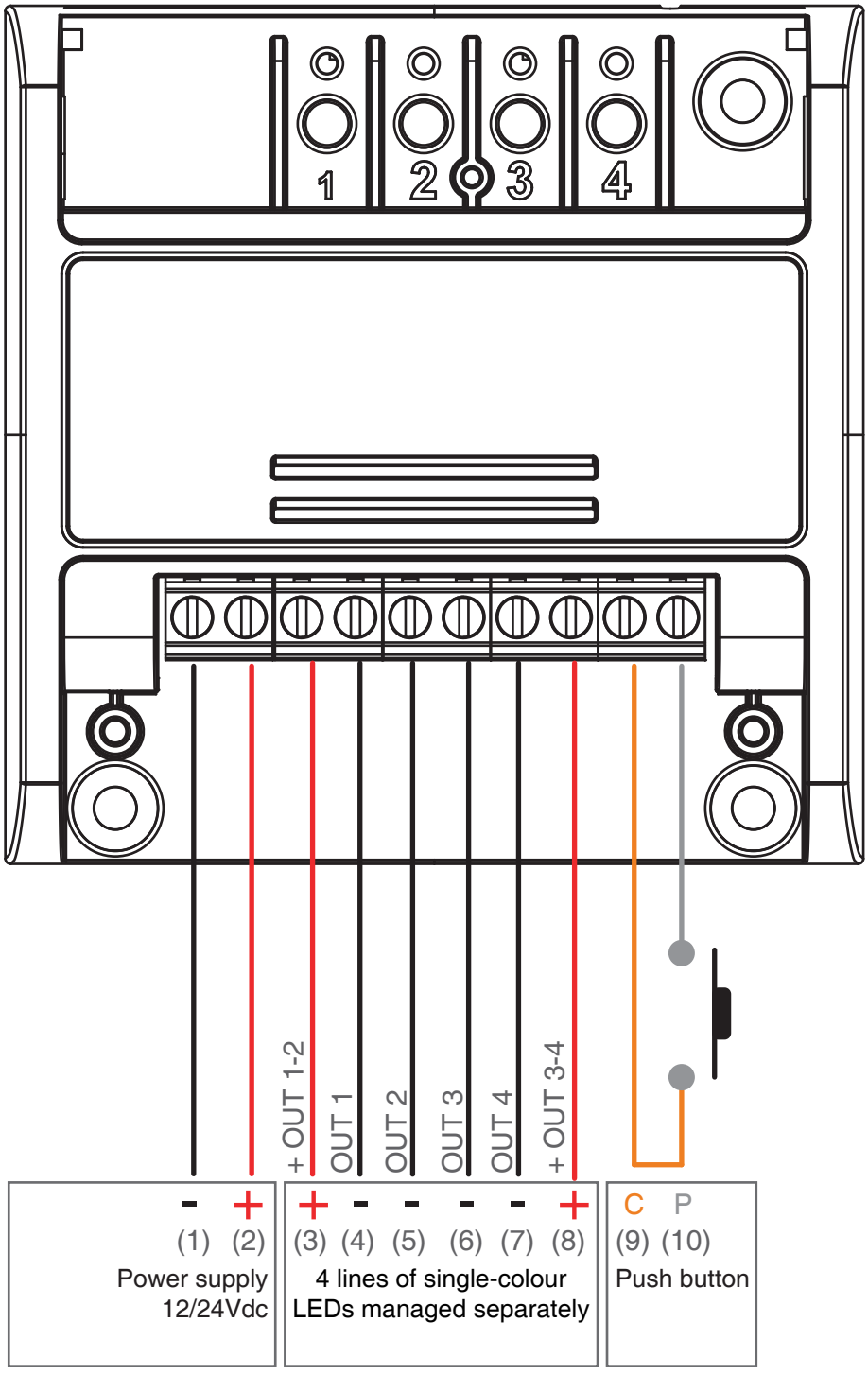
- Connect up to 5A per output and max total 10A
- The outputs operate separately.

USE VIA WIRE

SHORT PRESS: On-Off for all lights
LONG PRESS: Up/down dimmer for all lights

2.4 CONNECTING FOUR LINES OF SINGLE-COLOUR STRIP LIGHTS

The control unit is set by default to manage two lines of single-colour strip lights.
To change the setting, follow the procedure in paragraph 3.



WARNING:

- Connect up to 5A per output and max total 10A
- The outputs operate separately.

USE VIA WIRE

SHORT PRESS:	On-Off for all lights
LONG PRESS:	Up/down dimmer for all lights

3 - LOAD TYPE SETTING

Default: One line of single-colour LEDs.
This procedure allows you to change the type of the connected LED.

WARNING:
- The procedure of connection with the OneSmart APP (see paragraph 6) must be repeated each time the load type is changed.
- The wired button always controls all LED lines in synchronised mode.

3.1 SELECTABLE LED TYPES

1. ONE LINE OF SINGLE-COLOUR LEDS
- The control unit is set to manage 4 lines of single-colour LED strip lights in synchronised mode

2. TWO LINES OF SINGLE-COLOUR LEDS
- La centrale viene impostata per gestire 2 linee di strip led: OUT 1 e 2 in parallelo e OUT3 e 4 in parallelo

3. THREE LINES OF SINGLE-COLOUR LEDS
- The control unit is set to manage 3 lines of LED strip lights: OUT 1, 2 and 3 singularly or in groups

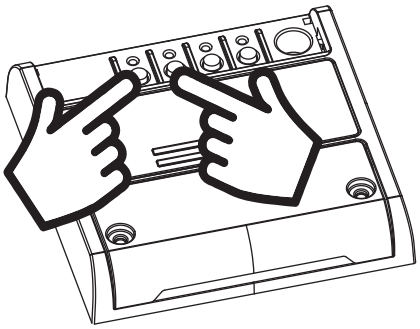
4. FOUR LINES OF SINGLE-COLOUR LEDS
- The control unit is set to manage 4 lines of LED strip lights: OUT 1, 2, 3 and 4 singularly or in groups

ATTENTION : en fonction de la configuration du type de charge, un dimensionnement différent de l'alimentateur peut être nécessaire

3.2 - PROCEDURE FOR SETTING THE LED TYPE

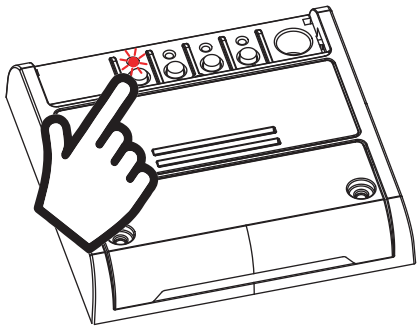
PROCEDURE

STEP 1
Press and hold buttons 1 and 2 simultaneously (approximately 2 seconds) until the LED becomes green.



ACTION: Long press of buttons 1 and 2 **LED:** green

STEP 2
Make a short press of button 1 on the receiver and count the number of LED Flashes.

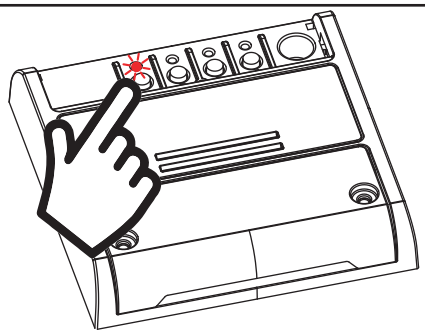


ACTION: Short press button 1
LED: Count the nuber of Flashes

NUMBER OF FLASHES	NUMBER OF LINES MANAGED SEPARATELY	DESCRIPTION
1	1	4 single-colour LED strip lights in synchronised mode.
2	2	2 lines of single-colour LED
3	3	3 lines of single-colour LED
4	4	4 lines of single-colour LED

STEP 3
Press the button P1 during the during the Flash that corresponds to the function desired to end the count.

The yellow LED on the board blinks a number of times corresponding to the set function



ACTION: Short press button 1 **LED:** yellow blinking

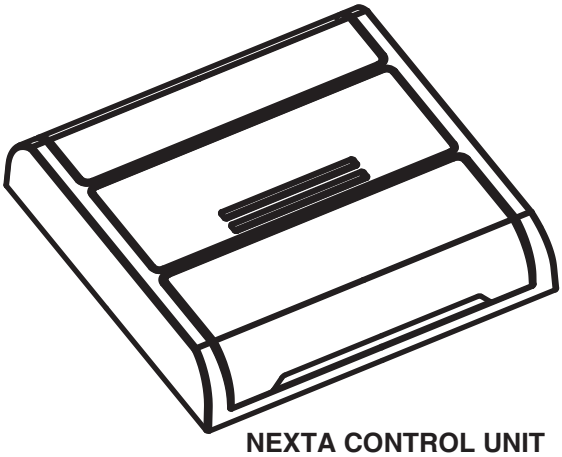
WARNING: if no setting is confirmed during step 3, the control unit mantains the load type previously set.

4 - USE OF THE CONTROL UNIT

4.1 TYPICAL INSTALLATION

The system can be controlled by a wired push button, radio commands, smartphone App OneSmart or voice commands.
The installation can operate with only radio controls or application only.
Instead, to use voice commands, at least the App configuration must be completed.

RADIOTRANSMITTER CONFIGURATION
See paragraph 5



NEXTA CONTROL UNIT

4.2 USE VIA WIRE

The wired button always controls all connected LED lines for the On/Off function (press and release) and the Up/Down dimmer (press and hold).

4.3 USE VIA RADIO

To control the loads via radio you must have compatible transmitters and therefore must carry out the association procedure, see paragraph 5.

5 - MANAGEMENT WITH REMOTE CONTROL

This procedure lets you programme/delete compatible multifunctional or generic (Wireless bus) transmitters.

Multifunctional transmitters:
With multifunctional transmitters the transmitter control modes depend on the model used.
Refer to the transmitter manual, to the paragraph entitled “commands sent by the transmitter”, bearing in mind that: this is a dimmer device.

Generic (wireless bus) transmitters:
With generic transmitters, the function of the button is:
SHORT PRESS: On/Off
LONG PRESS: dimmer Up/Down
The functions of the generic transmitters can be customized using the procedure in paragraph 8.1.

5.1 - RADIO PROGRAMMING

This procedure lets you programme compatible multifunctional or generic transmitters.
Depending on the number of lines of LED strip lights set with the procedure in paragraph 3, the remote control can be programmed for the active outputs.

1 LINE OF LEDS (see paragraph 3)

PASSO 1a
Press key 1.
The LED lights up red.

X1 OUT1 (RED)
X2 LED OFF

2 LINES OF LEDS (see paragraph 3)

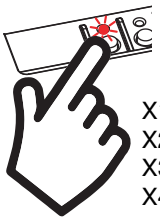
PASSO 1b
Press key 1 as many times as the output number on which you want to program the transmitter

X1 OUT1 (RED)
X2 OUT2 (GREEN)
X3 LED OFF

no. of presses	LED colour	Output paired with TX
1	red	OUT1-2
2	green	OUT3-4
3	off	/

3 LINES OF LEDS (see paragraph 3)

PASSO 1c
PPress key 1 as many times as the output number on which you want to program the transmitter

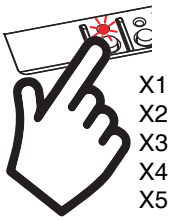


X1 OUT1 (RED)
X2 OUT2 (GREEN)
X3 OUT3 (BLU)
X4 LED OFF

no. of presses	LED colour	Output paired with TX
1	red	OUT1
2	green	OUT2
3	blu	OUT3
4	off	/

4 LINES OF LEDS (see paragraph 3)

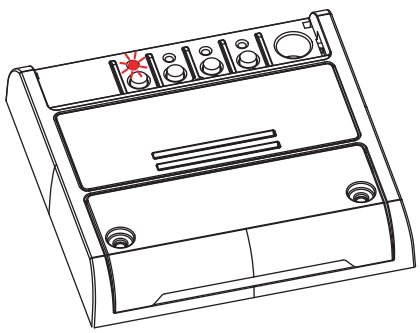
PASSO 1d
Press key 1 as many times as the output number on which you want to program the transmitter



X1 OUT1 (RED)
X2 OUT2 (GREEN)
X3 OUT3 (BLU)
X4 OUT4 (YELLOW)
X5 LED OFF

no. of presses	LED colour	Output paired with TX
1	red	OUT1
2	green	OUT2
3	blu	OUT3
4	yellow	OUT4
5	off	/

STEP 2
Within 60 seconds make a transmission with the transmitter to be saved.
See transmitter manual, the paragraph entitled “transmitter programming” for specify information.
The led makes 3 Flashes and turns off.



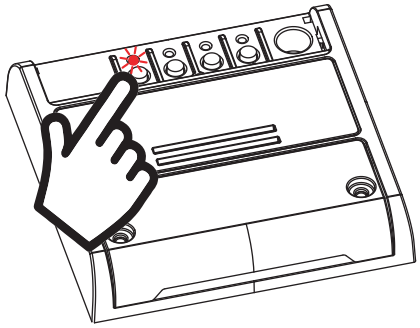
ACTION: Make a transmission with the transmitter **LED:** Flashes 3 times

5.2 - DELETION OF REMOTE CONTROL

These procedures let you delete from the memory transmitters that have already been programmed.

STEP 1

Hold the receiver button 1 down (about 5 seconds.) until the LED begins to Flash.



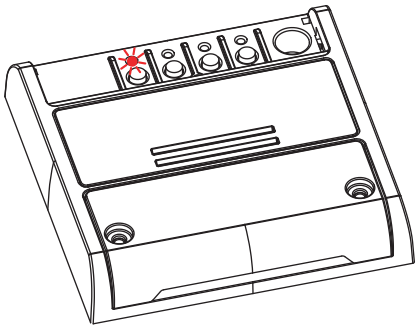
ACTION: Hold tbutton 1 down **LED:** Flashes red

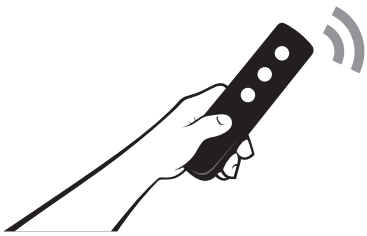
DELETION OF SINGLE TRANSMITTER

DELETION OF ALL TRANSMITTER SAVED

STEP 2a

Within 10 seconds make a transmission with the transmitter that you want to delete.
The LED flashes quickly and turns off.

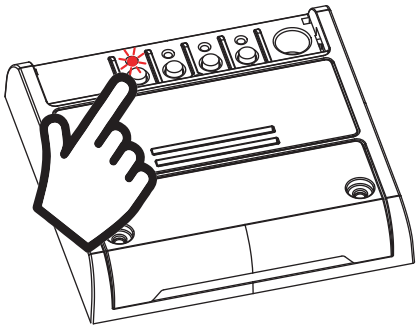




ACTION: Make a transmission with the transmitter
LED: Flashing quickly and turns off

STEP 2B

Within 10 seconds press the button 1 on the receiver for a short time to confirm the delection of all transmitters.
The LED starts flashing quickly and turns off.



ACTION: Short press of button 1
LED: Flashing quickly and turns off

6 - ADVANCED PROGRAMS

6.1 FUNCTION CUSTOMIZATION OF THE “WIRELESS BUS” GENERIC TRANSMITTER BUTTONS

The following procedure allows you to set a custom function to the “wireless bus” family transmitter button.

Details on selectable functions.

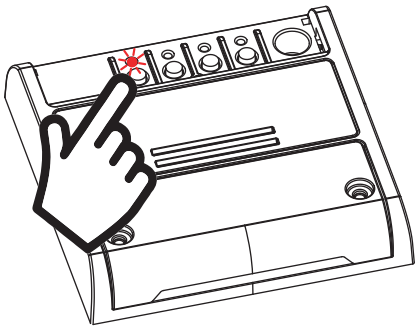
Function 5 - Memo
Each time the button is pressed, the load will Flash to indicate that the current state of the light is stored.
If the button is pressed from state “light off”, the storage is switched off and the light will be turned back on to the last set value, as it is by default.

PROCEDURE

STEP 1

Press key 1 as many times as the output number on which you want to program the transmitter

no. of presses	LED colour	Output paired with TX
1	red	OUT1
2	green	OUT2
3	blu	OUT3
4	yellow	OUT4
5	off	/

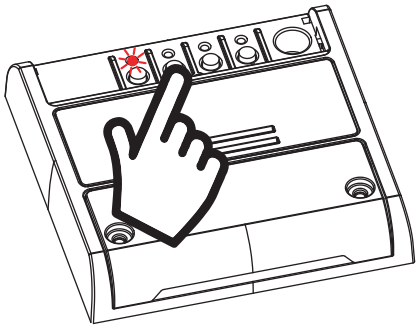


ACTION: Short press of button 1 **LED:** Turns on red

STEP 2

Press the button 2 on the receiver for a short time and count the number of Flashes emitted by the LED:

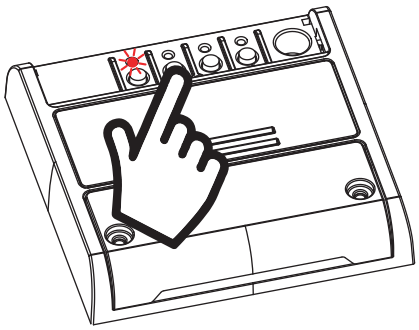
NUMBER OF FLASHES	FUNCTION
1	Off
2	On
3	Short press: On Long press: Dimmer Up
4	Short press: Off Long press: Dimmer Down
5	Memo



ACTION:
Short press of button 2
LED:
Count the number of Flashes

STEP 3

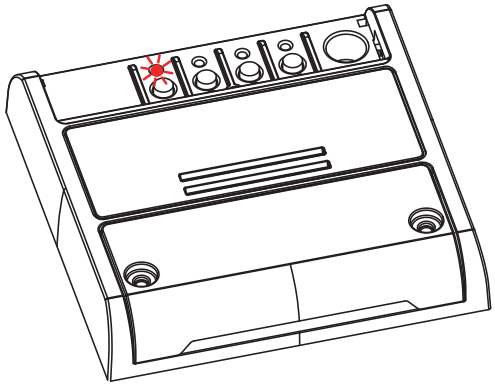
Press the button for a short time during the Flash that corresponds to the function desired to end the count.
The led stop Flashes



ACTION: Short pressure of button 2 during the Flash **LED:** Stop Flashes

STEP 4

Make a transmission with the transmitter to be saved (see transmitter manual, paragraph entitled “transmitter programming”).
The LED on the receiver Flashes 3.times and turns off.



ACTION: Make a transmission with the transmitter **LED:** Flashes 3 times

6.2 - LOAD STATE WHEN THE CONTROL UNIT IS SWITCHED ON

Default: Last value before the black out

This process is used to set the state of Leds when the control unit is switched on (for example when the power supply is provided by a general switch or timer).

PROCEDURE:

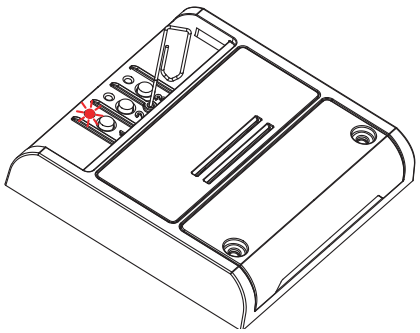
STEP 1

set the light on the desired state.

NOTE: light state cannot be set as off.

STEP 2

With a paper clip make a long press of the “hidden” button.
The LED is cyclically yellow and cyane.
Release the key when the led is yellow.

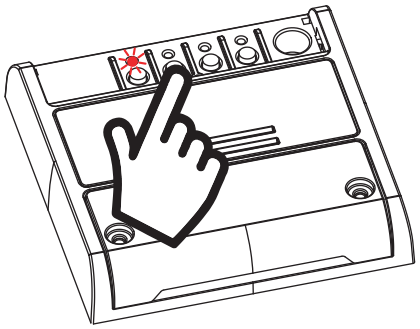


ACTION: Long press of the “hidden” button **LED:** Turns on yellow/cyane

STEP 3

Make a short press on button 2 of the receiver.

The led Flashes yellow and turns off.



ACTION: Short press of button 2 **LED:** Flashes

*** function deactivation**

To set up the default value, set the light OFF at step 1 of the procedure

6.3 - SETTING THE TIMED ON

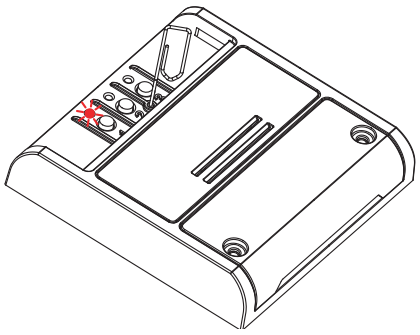
Default: 24 hours

This procedure is used to set the time for which the Leds stays on before an automatic switch off.
All commands reset the time count to zero, excluding the following commands that will immediately turn off the light: short press by wired push button, command OFF by radiotransmitter, comand by App or voice.

PROCEDURE

STEP 1

With a paper clip makes a long press of the “hidden” button.
The LED is cyclically yellow and cyane.
Release the key when the led is yellow.

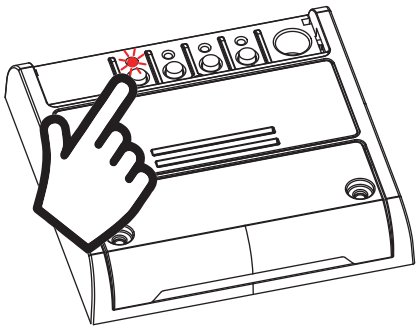


ACTION: Long press of the “hidden” button **LED:** Turns on yellow/cyane

STEP 2

Press the button 1 on the receiver for a short time and count the number of Flashes emitted by the LED:

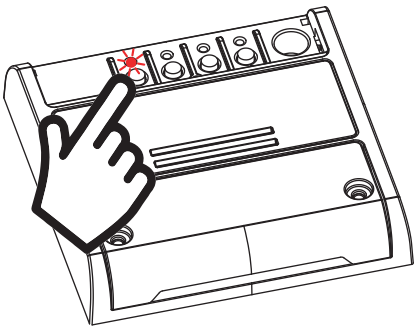
FLASHES NUMBER	FUNCTION
1	No timed on
2	30 seconds
3	1 minute
4	2 minutes
5	5 minutes
6	15 minutes
7	30 minutes
8	1 hour
9	2 hours
10	3 hours
11	8 hours
12	12 hours
13	18 hours



ACTION: Short press of button 1
LED: Count the number of Flashes

STEP 3

Press the button for a short time during the Flash that corresponds to the function desired to end the count.
The led turns off



ACTION: Short press of button 1 during the Flashes **LED:** Turns off

6.4 - SETTING TYPE OF INPUTS VIA WIRE

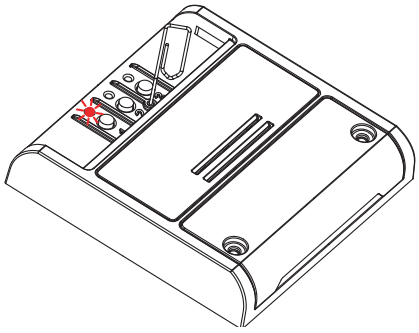
Default: Button function

This procedure lets you choose the type of wired devices to command load (connected on terminals 9 and 10).
The devices can be set as buttons or switches.

PROCEDURE

STEP 1

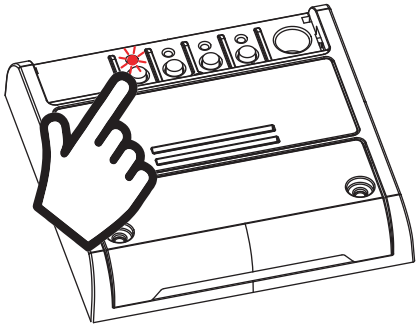
With a paper clip makes a long press of the “hidden” button.
The LED is cyclically yellow and cyane.
Release the key when the led is cyane.



ACTION: Long press of hidden button **LED:** Turns on yellow/cyane

STEP 2

Press the button on the receiver for a short time and count
the number of Flashes emitted by the LED:
3 Flashes = control with buttons
6 Flashes = control with switches



ACTION: Short press of button 2 **LED:** Flashes

STEP 3

To change the setting, repeat the procedure from point 1;
the control unit will alternate between 3 and 6 Flashes

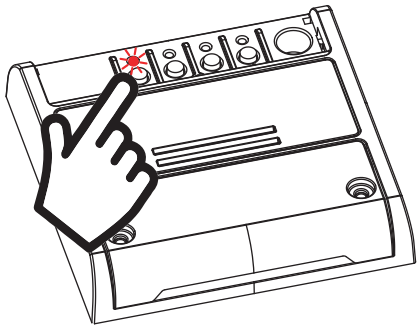
6.5 - RESET OF THE CONTROL UNIT

This procedure let you take the control unit back to factory settings.

PROCEDURE

STEP 1

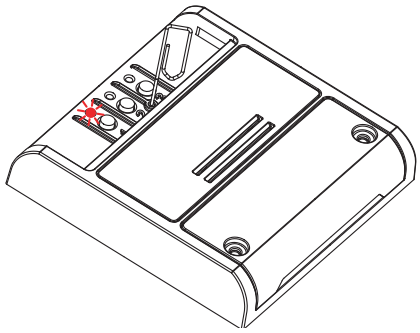
Hold the receiver button 1 down (about 5 seconds.) until the LED begins to Flash.



ACTION: Long press of button 1 **LED:** Flashes red

STEP 2

Within 10 seconds, make a short press of “hidden” button.
The LED 1 Flashes quickly and turns off.



ACTION: Make a short press of hidden button **LED:** the led Flash quicly and turns off

MNLPLN-ONEENV1.0

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