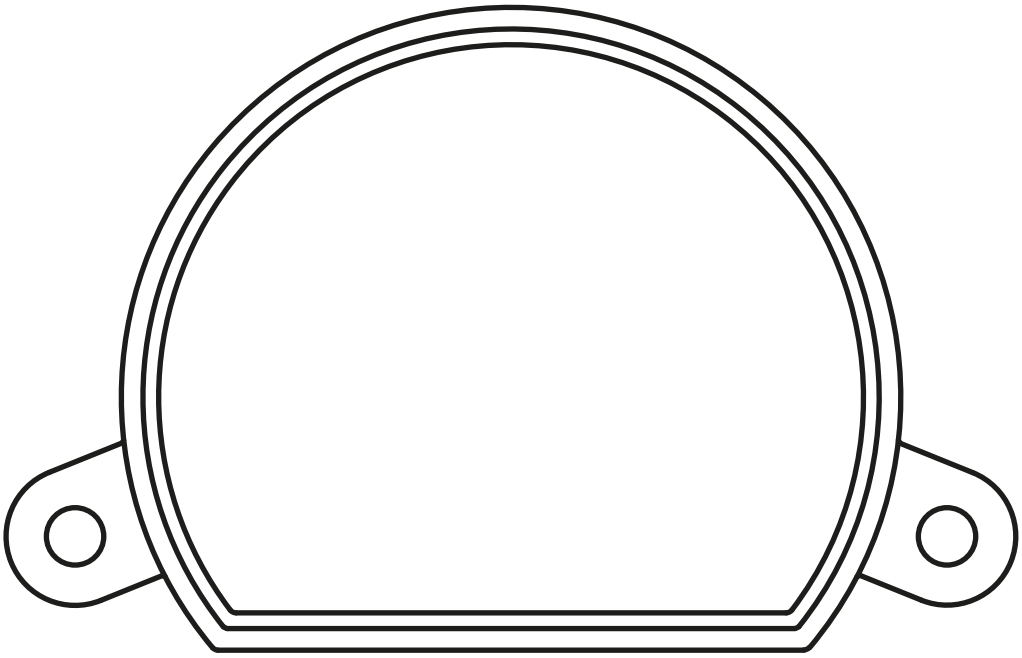
MCU-DM/ONE



Control unit for 230Vac loads with phase cut dimmer.
Power supply 230Vac, Max 150W.
Integrated 433.92 MHz radio receiver.
WiFi connection for OneSmart App.

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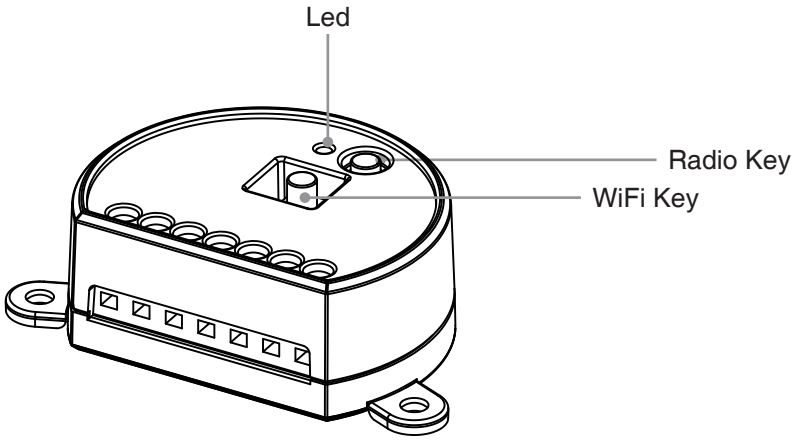
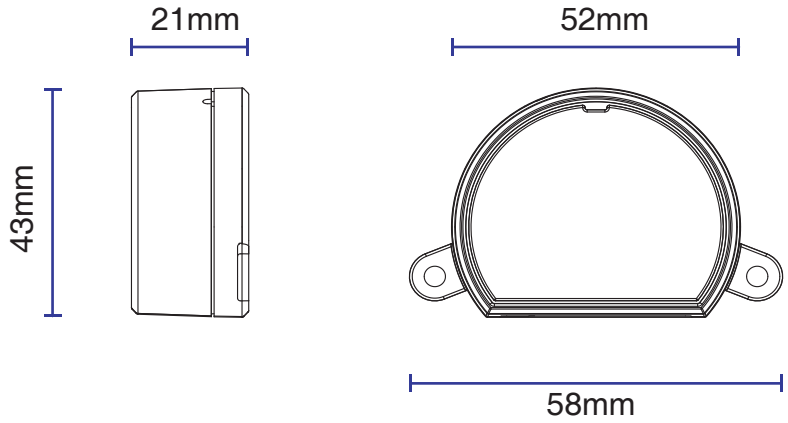
1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

Power supply (Input)	230Vac
Load type (Output)	230Vac load
Max power load (Output)	150W
N° of programmable transmitters	30
RF receiver frequency	433.920MHz
Frequenza modulo WI-FI	2.4GHz
Protection rating	IP20
Working temperature	-20° +55°
Box dimensions	52x43x21 mm



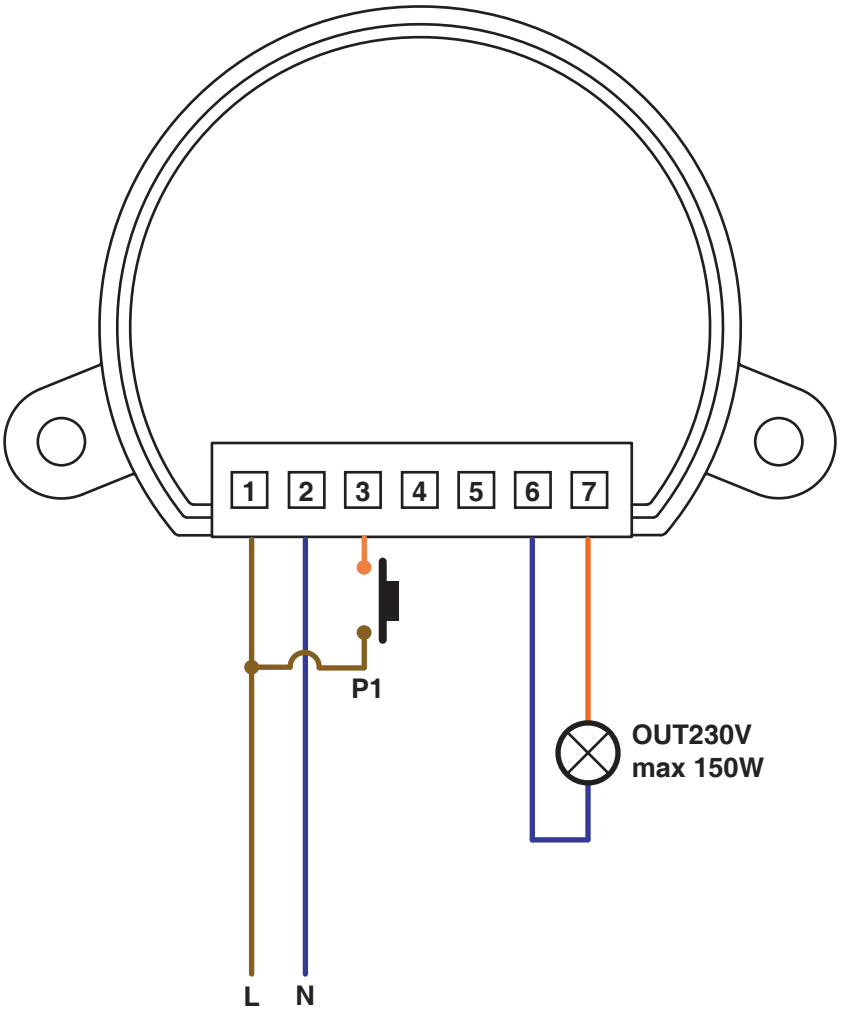


2 - CONNECTION DIAGRAMS

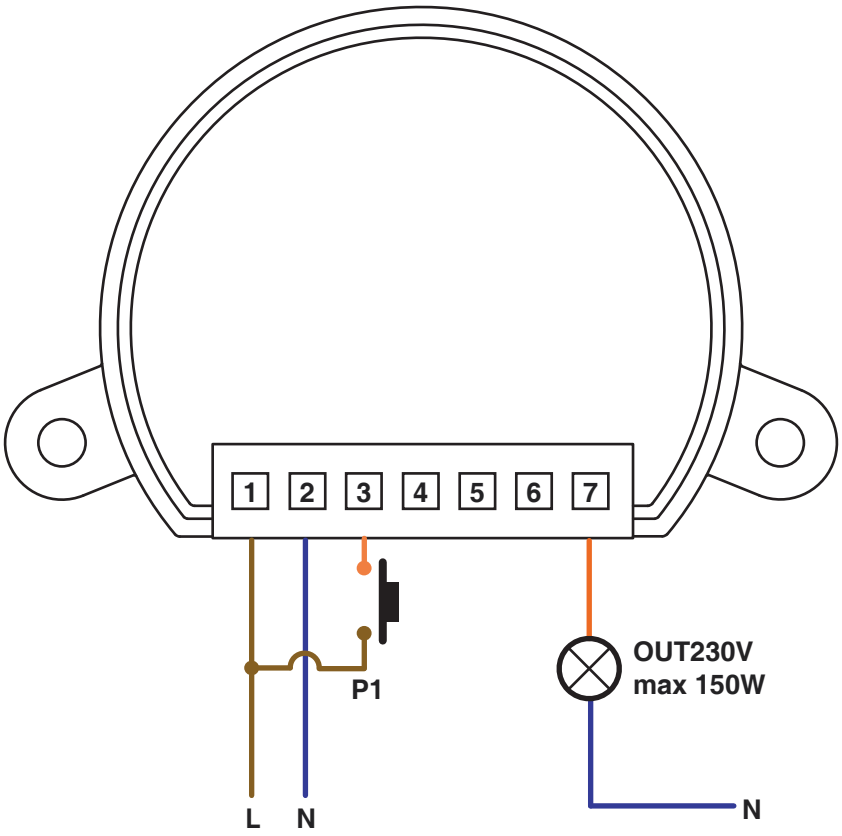
RECOMMENDATIONS

- 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 CONNECTION DIAGRAM WITH NEUTRAL FROM CONTROL UNIT



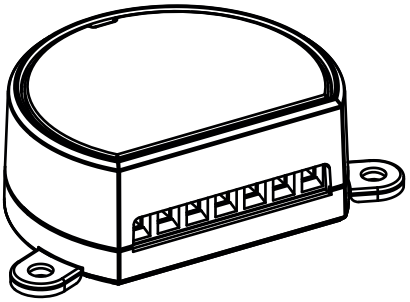
2.2 CONNECTION DIAGRAM WITH NEUTRAL FROM THE ELCTRICAL SYSTEM



3 - USE OF THE CONTROL UNIT

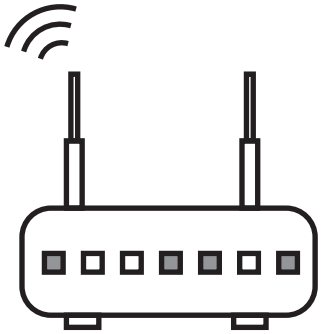
3.1 TYPICAL INSTALLATION

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.



NEXTA CONTROL UNIT

RADIOTRANSMITTER CONFIGURATION
See paragraph 4



ROUTER WITH INTERNET CONNECTION

APP CONTROL CONFIGURATION
See paragraph 5

VOICE CONTROL CONFIGURATION
See paragraph 6

3.2 USE VIA WIRE
Once connected, the button is already active with On/Off and dimmer function.

3.3 USE VIA RADIO
To control the loads via radio you must have compatible transmitters and therefore must carry out the association procedure, see paragraph 4.

3.4 USE VIA SMARTPHONE APP ONESMART
The configuration procedures described in paragraph 5 above must be followed to control the lights by smartphone App.

3.5 USE WITH VOICE CONTROL
The configuration procedures described in paragraph 6 above must be followed to control the lights by voice commands.

4 - MANAGEMENT WITH REMOTE CONTROL

This procedure lets you programme/delete compatible transmitters.

Multifunctional transmitters, codes:
HB70-SLCT, HB70-SPCT,
HB80-1C, HB80-1DIM, HB80-2L, HB80-30D, HB80-30RGBW, HB80-4C, HB80-4DIM, HB80-4L,
HB90-6LT,
ROUND-1SP,
SENSA-M, SENSA-P, SENSA-R35M, SENSA-R35P, SENSA-R35T, SENSA-T,
TOUCH-1, TOUCH-1CCT, TOUCH-1DIM, TOUCH-1SP, TOUCH-1L , TOUCH-1RGBW, TOUCH-3C, TOUCH-4DIM, TOUCH-CFU
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 an Dimmer device.

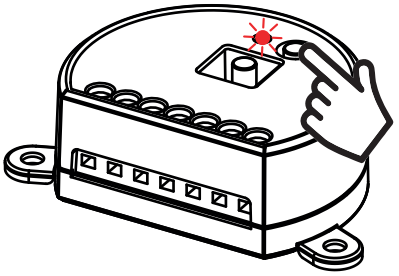
Generic (wireless bus) transmitters, codes:
HB80-6G, MCU-TX4, TOUCH-1G, TOUCH-2G, TOUCH-4G, TOUCH-LOCK4, TOUCH-TX2, ROUND-1G

With generic transmitters, the function of the button is On/Off and dimmer
The function of the generic transmitters can be customized using the procedure in paragraph 7.2.

4.1 - RADIO PROGRAMMING

This procedure lets you programme compatible multifunctional or generic transmitters.

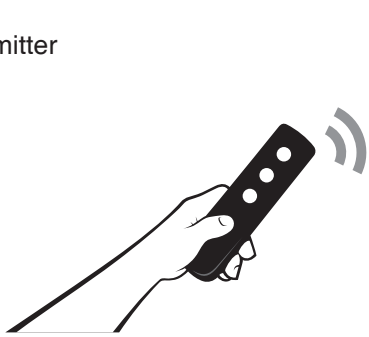
STEP 1
Press the button radio on the receiver for a short time.
The LED comes on and stays on.

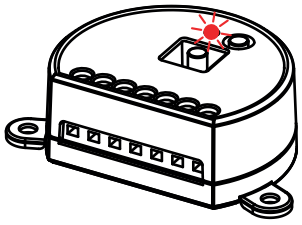


AZIONE: Short pressure RADIO button **LED:** Turns on red

STEP 2
Within 60 seconds make a transmission with the transmitter to be saved.

The LED on the receiver Flashes 3 times and turns off.





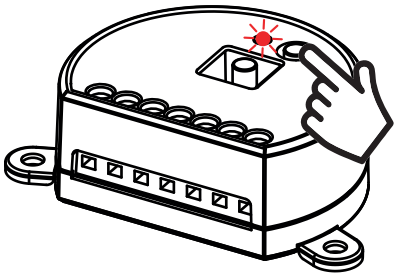
AZIONE: Short pressure **LED:** Flashes 3 times

4.2 - DELETION OF REMOTE CONTROL

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

STEP 1

Hold the receiver button RADIO down (about 8 seconds.) until the LED begins to Flash.

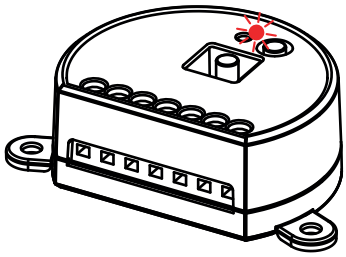


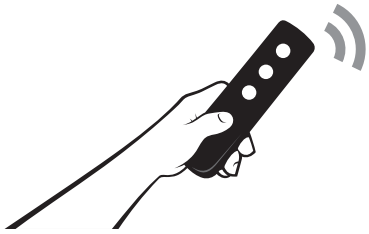
ACTION: Hold button RADIO down **LED:** Flashes red

DELETION OF SINGLE TRANSMITTER

STEP 2a

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



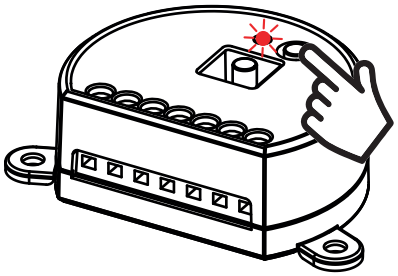


ACTION: Make a transmission with the transmitter
LED: Flashing quickly and turns off

DELETION OF ALL TRANSMITTER SAVED

STEP 2B

Within 10 seconds press the button RADIO 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 RADIO
LED: Flashing quickly and turns off

5 - CONTROL WITH APP ONE SMART

These procedures allow you to manage the light from your device (example: mobile phone) through the application and to control the system remotely.

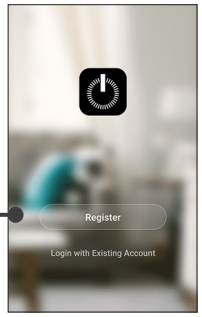
5.1 - APP CONNECTION

This procedure connects the control unit Plano-One to the application. It shall be repeated for each control unit on the installation.
ATTENTION: an internet-based wi-fi network is required for te operation.

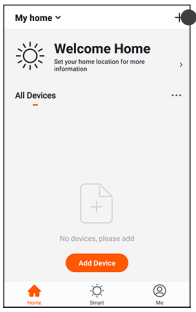
1. Download the App OneSmart on the phone

OneSmart

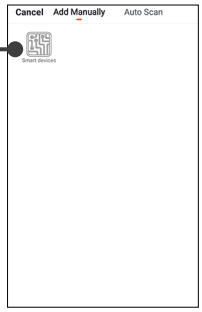
2. After starting the application, you will need to create an account. Complete the procedure.



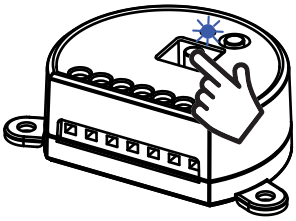
3. Press the "Add Devices" icon



4. Select the category "Smart Devices"

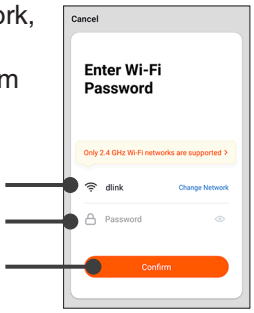


5. Press the button 2 on the control unit until the blue led is turned on, then release the button. After a few seconds the led and the load will start to flash



6. Press "Connect" on the App

7. On the application, select the wi-fi network, insert the network password and confirm



8. The device will be now automatically configured. The blue led on the control unit indicates the progress of the setting:
Series of one Flash = the power station is ready for setup,
Series of two Flashes = power station is trying to connect to the WiFi network,
Series of 4 Flashes = the power station connected correctly.
The LED will die after two minutes.

5.2 - USE OF THE APP ONE SMART

After all the control units have been set up, the installation can be managed by the application.

USE

The “Home” menu (1) shows all the associated devices.
To send a command to a device, select it.

Pressing “Smart” (2) allows you to add actions on your devices according to certain conditions and in certain time intervals, there are two types of actions:

- Automation (3): One or more actions happen if one or more conditions are satisfied
- Tap-to-Run (Scenario) (4): performs one or more actions by pressing an app button

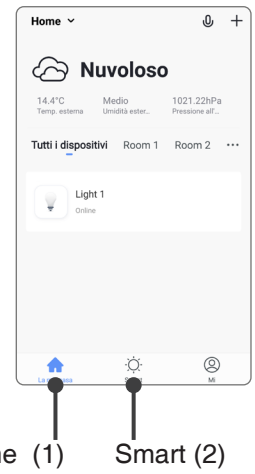
EXAMPLES OF SCENARIOS (TAP-TO-RUN):
- Total off (switch off all the lights in the house)
- Scenario Soft (Dimming the desired lights at low intensity level)

EXAMPLES OF AUTOMATIONS:
- Hourly and weekly programms
- Turn on the lights at the sunshine, turn off the lights at the sunrise.

Pressing “Me” (5) for entering to home and account settings.
From this menu, you can add members to the home for sharing device management or creating new houses.

PROCEDURE PFOR ADDING NEW USERS/MEMBERS.
1- From the “ME” menu (5), select “Home Management” (7) and then go to the house configurations and find “Add Member”
2- Insert the “OneSmart” account you want to add (email or mobile phone number of the new member), the new member will receive a notification of the invitation.

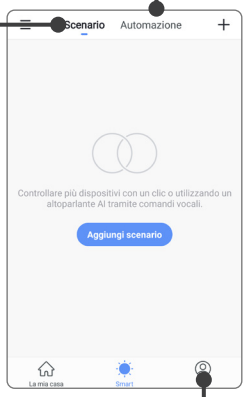
WARNING:
- The new user must have already downloaded the “OneSmart” application and created an account.
- Both the ‘administrator’ and the ‘new user’ must have set the same ‘region’ (Country).
- (Go to “Account (2)-Account and Security-Region” to view and change the set country).



Home (1) Smart (2)

Automations(3)

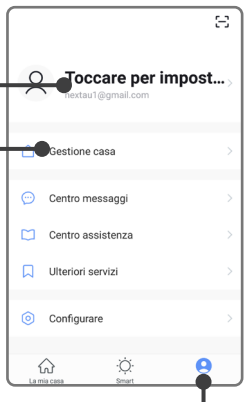
Tap-to-Run (4)



Me (5)

Account (6)

Home management (7)



Me (5)

6 - CONTROL BY VOICE COMMANDS

You can use this procedure to associate a “OneSmart” account with a Google or Alexa account to enable the voice commands.

6.1 - CONNECTION TO “GOOGLE HOME”

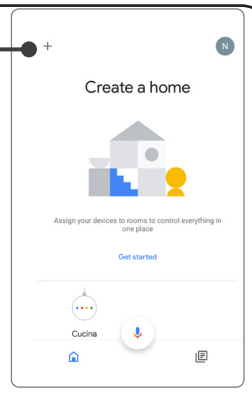
PROCEDURE

WARNING: before proceeding with this procedure, you must have set up the “OneSmart” account, see paragraph 6.

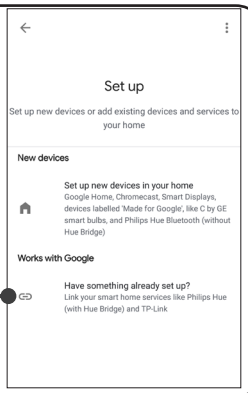
1. Download the App “Google Home”

2. After starting the application, you will need to create an account Google.
Complete the procedure.

3. Press the “+” icon in top left position, then press “Set up device”.



4. Select “Have something already set up?” and then select “Smart Life” from the list of proposed accounts.
Insert the account data “OneSmart” created in paragraph 6.



5. Once the procedure has been completed, all devices connected to the “Smart Life” account will appear in the home page of Google application (at the bottom of the home under the “Other cast device”).

6. Now the voice commands can control the control unit

NOTES:
If you add other devices to your OneSmart application, they will automatically be added to the Google Home page.
To use them with voice control, you need to add them to a room in the Google Home application, see step 6 of the procedure.
If devices are not added automatically, disconnect and reconnect your account from step 3 of this procedure from Google Home.

USE OF “GOOGLE HOME”

SENDING VOICE COMMANDS

Using your Android mobile phone (or tablet), voice commands can already be sent via the native assistant.
By using an Apple device, you can use the microphone within the Google Home application.If you want to add a voice recognition device such as “Google Home Mini” or “Google Home”, follow the procedures to match it to the house you created and then they will be associated with the lights.

VOICE COMMAND LIST

Here below there are some examples of dedicated voice commands for lights:

OK Google, Turn on / Turn Off *name of the device* or *name of the room*
OK Google, Turn on / Turn Off the lights
OK Google, turn off all the lights

USE OF ROUTINES

The Nexta control unit is compatible with Google routine.
The Google Home application allows you to create some vocal commands to be associated with one action or sequence of actions.
This allows you to create scenarios, but also allows you to customize the command to get a certain action.

EXAMPLES OD SCENARIOS

OK Google, Dark!	Turn off all the lights
OK Google, Movie!	Turn off some lights and soft dimming of other lights

EXAMPLES OF CUSTOMIZED COMMANDS

OK Google, Dark!	Turn off the light (corresponds to the native “Turn off *light name*” command)

6.2 - CONNECTION TO “AMAZON ALEXA”

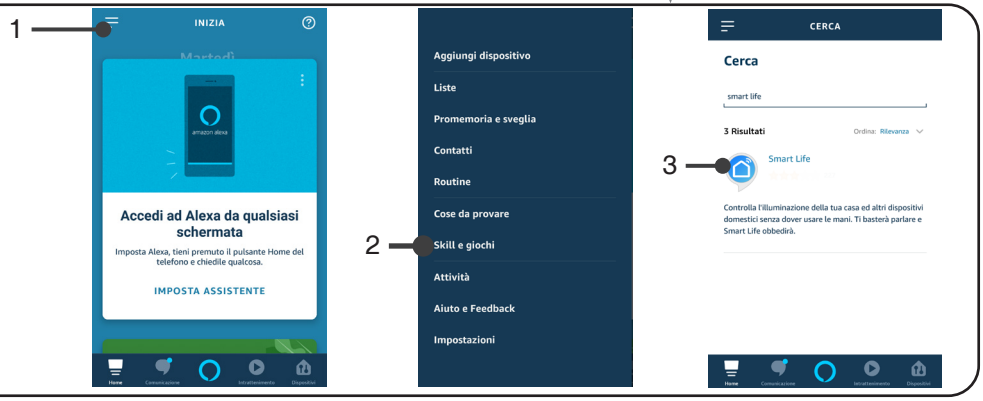
PROCEDURE

WARNING: before proceeding with this procedure, you must have set up the “OneSmart” account, see paragraph 6.

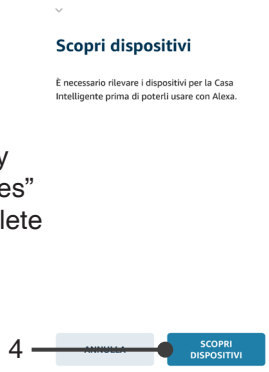
1. Download the App “Amazon Alexa”

2. After starting the application, you will need to create an account Amazon.
Complete the procedure.

3. From the application home page press “menu” (1) then “Skill and games” (2).
Press on the “Magnifying glass” at the top right and then search for “Smart Life” (3).Follow the procedure to enable use of the “OneSmart” account created using paragraph 6



4. Complete the procedure by entering the “OneSmart” account data created in paragraph 6. You can then start searching for devices by pressing the “Discover devices” button (4). If you want, complete the setting-up procedure by inserting the device into a room.



5. Now the voice commands can control the control unit

USE OF “AMAZON ALEXA”

SENDING VOICE COMMANDS

Using your Android mobile phone (or tablet), voice commands can already be sent via the Amazon Alexa application.
Using an Apple device, you can use the microphone inside the Amazon Alexa application.
If you want to add a voice-control device like “Echo Dot” or “Echo Plus”, follow the procedures to match it to the house you created, and then they will be associated with the lights.

EVOICE COMMAND LIST

Here below there are some examples of dedicated voice commands for lights:

Alexa, Turn on / Turn Off *name of the device* or *name of the room*
Alexa, Turn on / Turn Off the lights

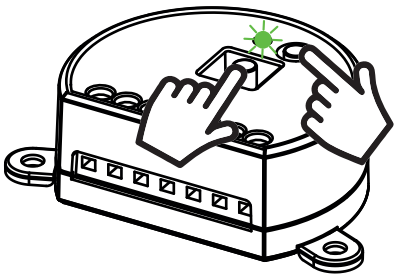
7 - ADVANCED PROGRAMS

7.1 - SETTING ADJUSTABLE MINIMUM BRIGHTNESS

Default: 20%

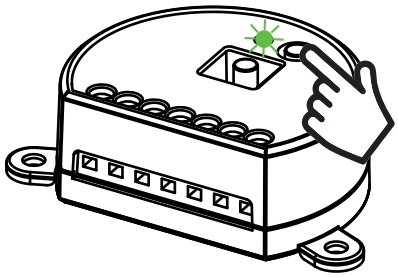
This procedure allows you to set the minimum level of brightness at which it is possible to adjust the load.
The minimum level of brightness accepted at switch-on and dimming depends on the type of load connected.

STEP 1
Press and hold buttons RADIO and WIFI simultaneously,
the LED is cyclically green and blu.
Release the key when the led is green.



ACTION: Long press of buttons RADIO e Wi Fi **LED:** Turns on green/blu

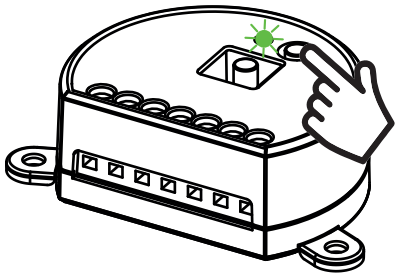
STEP 2
Press the button RADIO on the receiver for a short time.
The led starts to Flash.



ACTION: Short pressure RADIO button **LED:** Flash

STEP 3
With the wired input or transmitter or app, set the desired minimum brightness

STEP 4
Press the button RADIO on the receiver for a short time.
The led turns off.



ACTION: Short pressure RADIO button **LED:** Turns off

* if the light is set to off, the default minimum intensity value is reset.

7.2 - FUNCTION CUSTOMIZATION OF THE “WIRELESS BUS” GENERIC TRANSMITTER BUTTONS

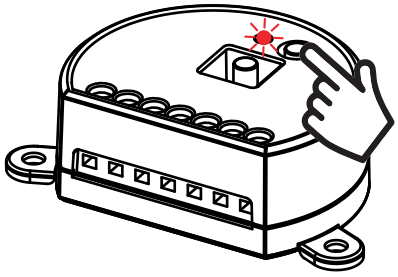
The following procedure allows you to set a custom function to the “wireless bus” family transmitter button.

GENERIC RADIOTRANSMITTERS (WIRELESS BUS), CODES:
HB80-6G, MCU-TX4, TOUCH-1G, TOUCH-2G, TOUCH-4G, TOUCH-LOCK4, TOUCH-TX2, ROUND-1G

PROCEDURE

STEP 1

Press the button 1.
The led turns on red.

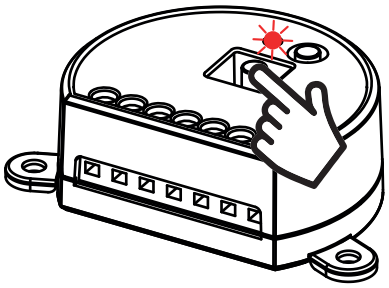


ACTION: Short press of button 1 **LED:** Turns on red

STEP 2

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

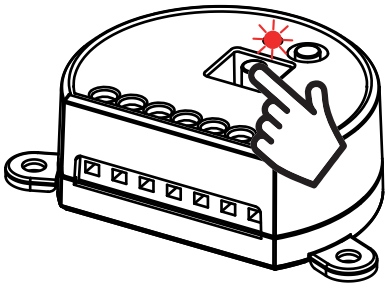
NUMBER OF FLASHES	FUNCTION
1	On
2	Off
3	On (short) / Dimmer Up (long)
4	Off (short) / Dimmer Down (long)
5	Dimmer Up
6	Dimmer Down
7	On/Off



ACTION: Short press of button Wi Fi
LED: Count the number of Flashes

STEP 3

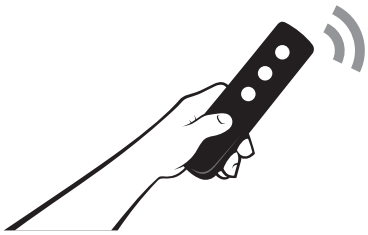
Press the button Wi Fi for a short time during the Flash that corresponds to the function desired to end the count.
The led stop Flashes

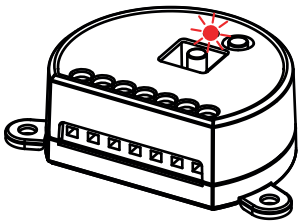


ACTION: Short pressure of button Wi Fi during the Flash **LED:** Stop Flashes

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.





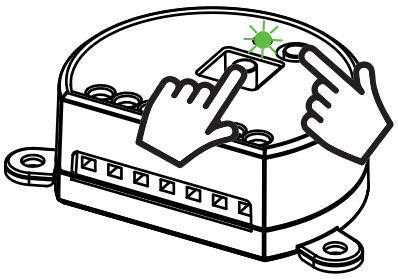
ACTION: Make a transmission with the transmitter **LED:** Flashes 3 times

7.3 - SETTING TIMING
Default: 18 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

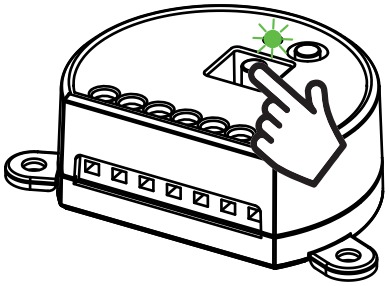
STEP 1
Press and hold buttons RADIO and WIFI simultaneously.
The LED is cyclically green and blu.
Release the key when the led is green.



ACTION: Long press of buttons RADIO e Wi Fi **LED:** Green/Blu

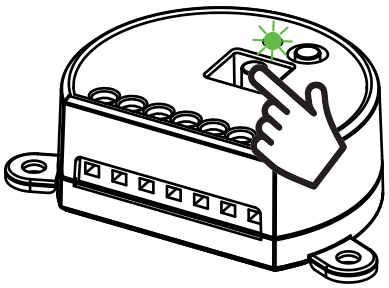
STEP 2
Press the button WI FI on the receiver for a short time and count the number of Flashes emitted by the LED:

NUMBER OF FLASHES	FUNCTION
1	No timing
2	1 minute
3	5 minutes
4	15 minutes
5	30 minutes
6	1 hour
7	2 hours
8	3 hours
9	8 hours
10	12 hours
11	18 hours



ACTION: Short pressure WI FI button **LED:** Flash

STEP 3
Press the button WIFI for a short time during the Flash that corresponds to the function desired to end the count.
The led turns off



ACTION: Short pressure Wi Fi button **LED:** Turns off

7.4 - SETTING ADJUSTABLE MINIMUM BRIGHTNESS

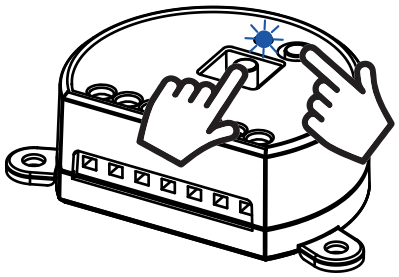
Default: Last value before the black out

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

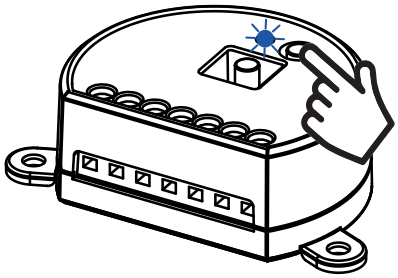
Press and hold buttons RADIO and WIFI simultaneously,
the LED is cyclically green and blu.
Release the key when the led is blu.



ACTION: Long press of buttons RADIO e Wi Fi **LED:** Turns on green/blu

STEP 2

Press the button RADIO on the receiver for a short time.
The led starts to Flash.



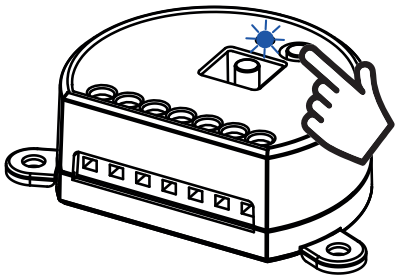
ACTION: Short pressure RADIO button **LED:** Flash

STEP 3

With the wired input or transmitter or app, set the desired brightness

STEP 4

Press the button RADIO on the receiver for a short time.
The led turns off.



ACTION: Short pressure RADIO button **LED:** Turns off

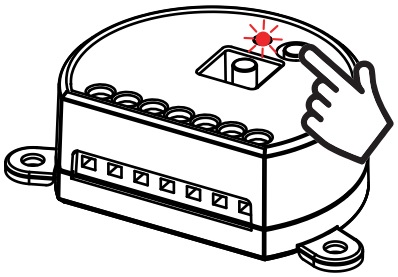
* if the light is set to off, the default is reset (last value)

7.5 - RESET OF THE CONTROL UNIT

This procedure let you take the control unit back to factory settings.
ATTENTION: the only parameter that will not be removed will be the association with the ONESMART application.
To edit or delete also this parameter, reed the procedure.

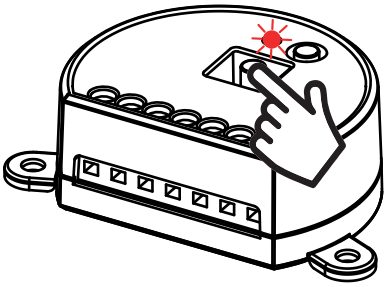
PROCEDURE

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

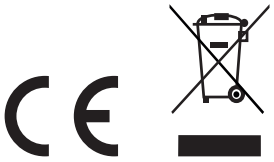


ACTION: Hold button RADIO down **LED:** Flashes red

STEP 2
Within 10 seconds, make a short press of Wi Fi button.
The LED 1 Flashes quickly and turns off.



AZIONE: Short press of Wi Fi button **LED:** the led Flash quicly and turns off



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