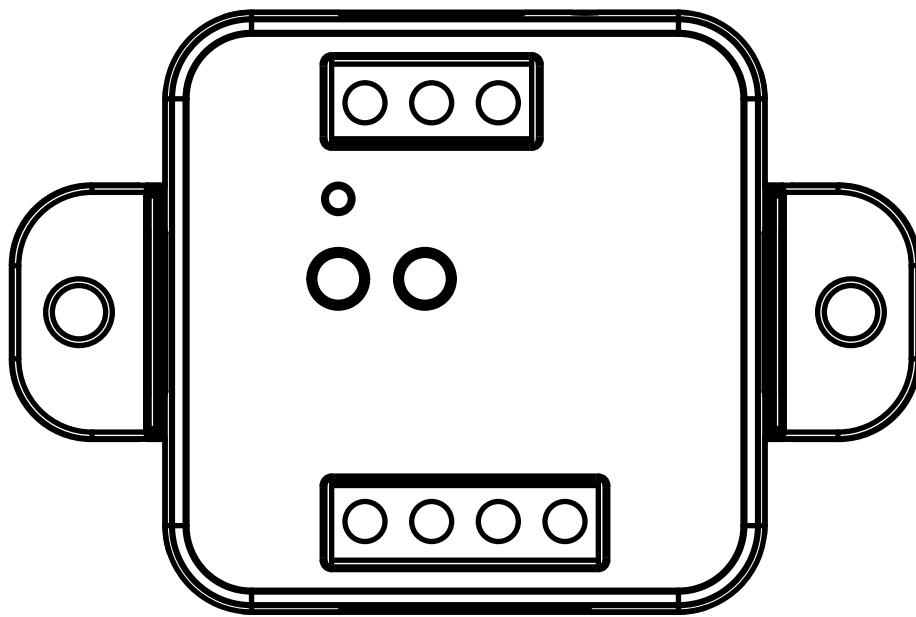


MCX-M/ONE

nestor
company



Control unit for 230Vac motors with built-in dip switches.
Power supply 230Vac, Max 500W.
Integrated 433,92 MHz radio receiver.
WiFi connection for OneSmart App.

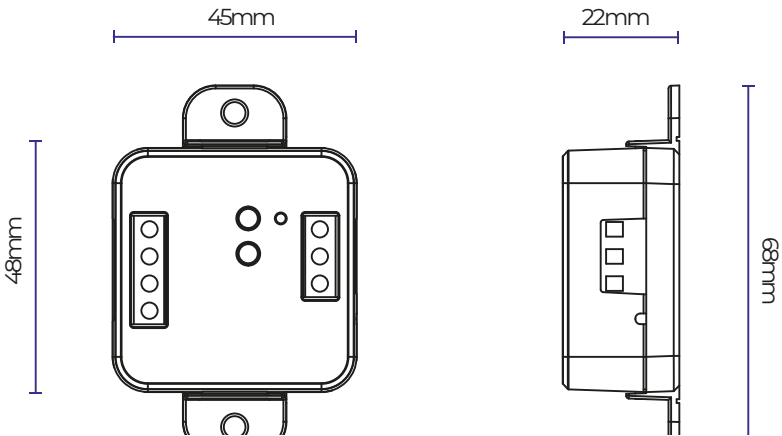
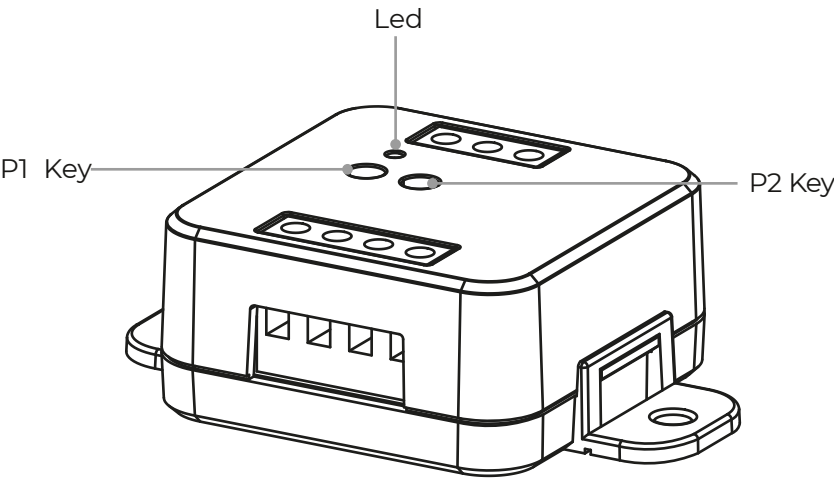
INDEX

1 - PRODUCT FEATURES	
1.1 - TECHNICAL DATA	page 3
2 - CONNECTION DIAGRAMS	
2.1 - CONNECTION DIAGRAM WITH NEUTRAL FROM CONTROL UNIT	page 4
2.2 - CONNECTION DIAGRAM WITH NEUTRAL FROM THE ELECTRICAL SYSTEM	page 5
3 - USE OF THE CONTROL UNIT	
3.1 - TYPICAL INSTALLATION	page 6
3.2 - USE VIA WIRE	page 7
3.3 - USE VIA RADIO	page 7
3.4 - USE WITH SMARTPHONE APPLICATION	page 7
3.5 - USE WITH VOICE CONTROL	page 7
4 - CONTROL BY RADIOTRANSMITTERS	
4.1 - RADIOTRANSMITTER SETTING	page 8
4.2 - DELETION OF RADIOTRANSMITTERS	page 9
5 - CONTROL WITH APP ONE SMART	
5.1 - APP ONE SMART CONNECTION	page 10
5.2 - USE OF THE APP ONE SMART	page 11
6 - CONTROL BY VOICE COMMANDS	
6.1 - CONNECTION TO THE APP "GOOGLE HOME"	page 12
6.2 - CONNECTION TO THE APP "AMAZON ALEXA"	page 14
7 - ADVANCED PROGRAMS	
7.1 - CONFIGURATION OF MANOEUVRE TIMES	page 16
7.2 - FUNCTION CUSTOMIZATION OF THE "WIRELESS BUS" TRANSMITTER BUTTONS	page 17
7.3 - WIRED INPUT SETTING	page 18
7.5 - WIRED INPUT MODE SETTING	page 19
7.4 - RESET	page 20

1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

Power supply (Input)	230Vac
Load type (Output)	230Vac motor with built-in limit switches
Max power load (Output)	500W
N° of programmable transmitters	30
RF receiver frequency	433,920MHz
WI-FI module frequency	2,4GHz (no 5GHz)
Protection rating	IP20
Working temperature	-20° +55°
Box dimensions	52x43x21 mm

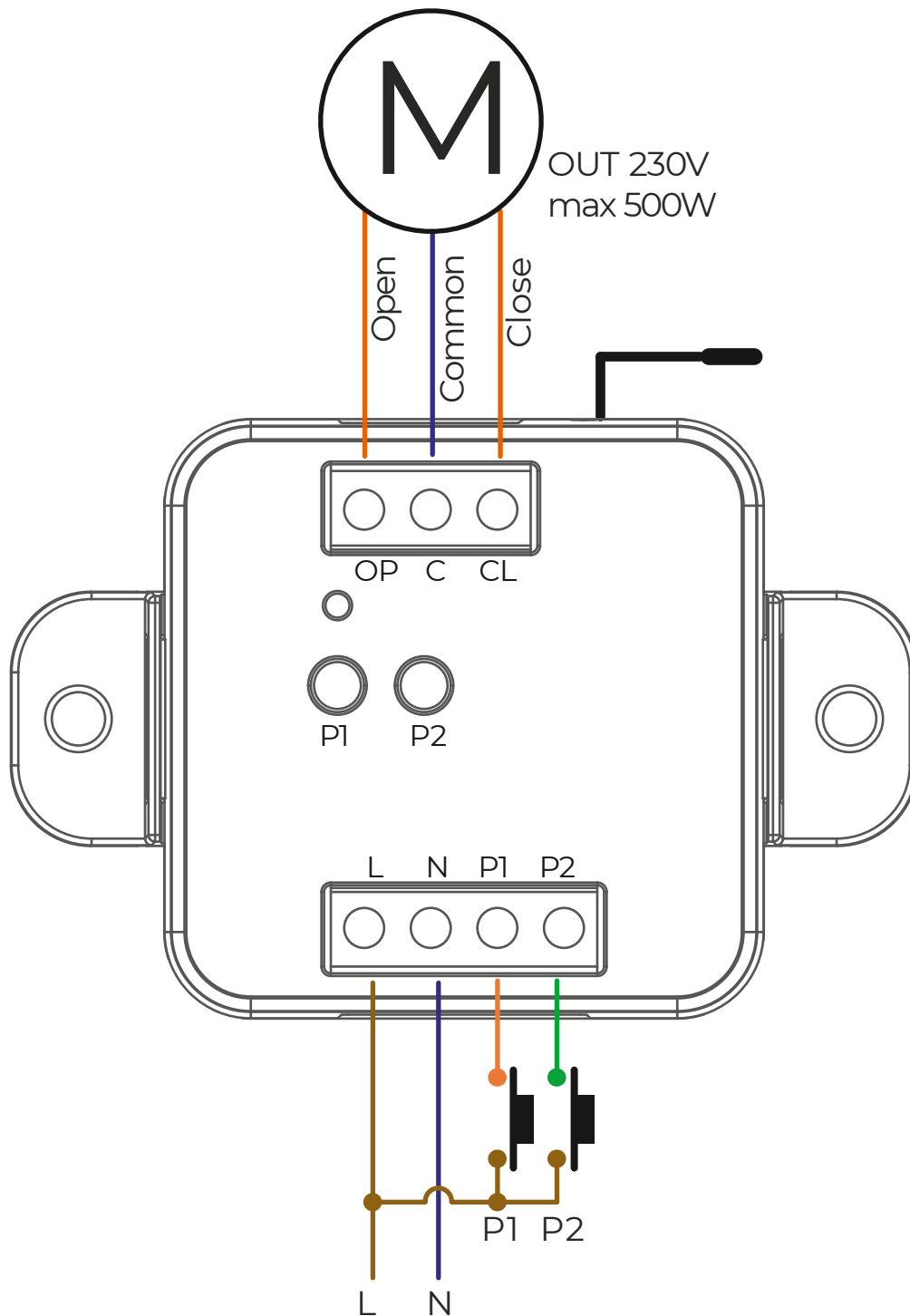


2 - CONNECTION DIAGRAMS

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 with an appropriate disconnection device
- Dispose of waste materials in full compliance with local law.
- Do not exceed the specified load limits

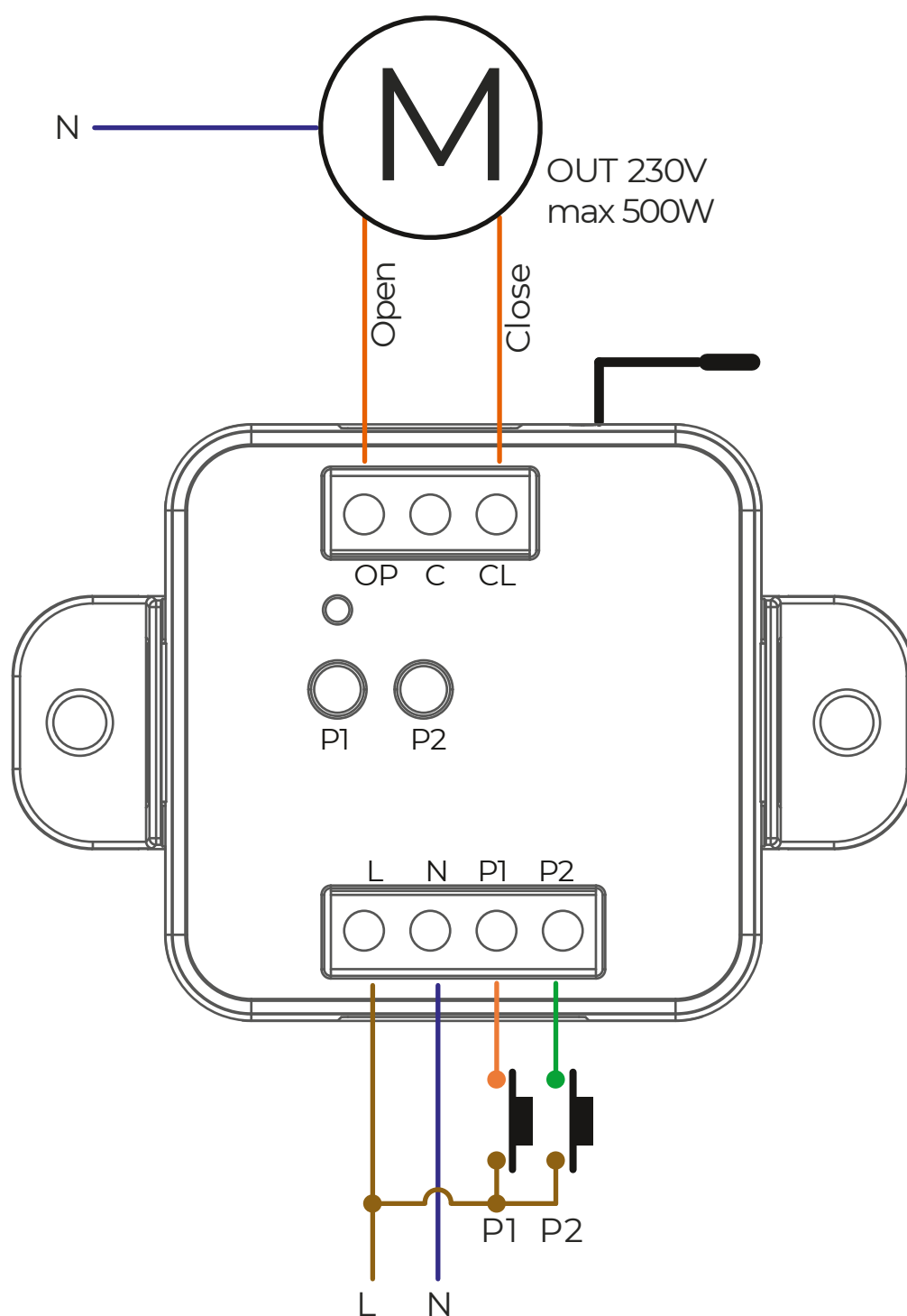
2.1 CONNECTION DIAGRAM WITH NEUTRAL FROM CONTROL UNIT



Filar inputs can be set to:

- Mono/Bit Button, see paragraph 7.3
- Automatic/man-present operation, see paragraph 7.4.4

2.2 CONNECTION DIAGRAM WITH NEUTRAL FROM THE ELECTRICAL SYSTEM



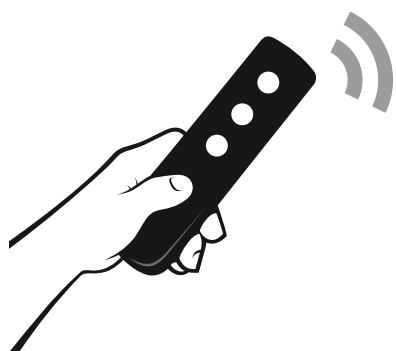
Filar inputs can be set to:

- Mono/Double Button, see paragraph 7.3
- Automatic/man-present operation, see paragraph 7.4

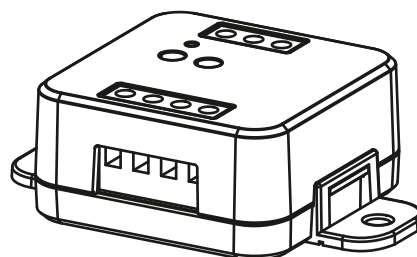
3 - USE OF THE CONTROL UNIT

3.1 TYPICAL INSTALLATION

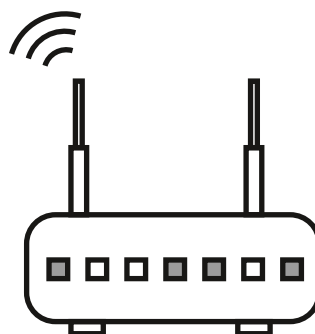
The system can be controlled by a wired push button, radio commands, smartphone App OneSmart or voice commands. The installation can operate with only radio controls or application only. Instead, to use voice commands, at least the App configuration must be completed.



RADIOTRANSMITTER
CONFIGURATION
See paragraph 4



NEXTA CONTROL UNIT



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 Open/Stop/Close function.

3.3 USE VIA RADIO

To control the load 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 load by smartphone App.

3.5 USE WITH VOICE CONTROL

The configuration procedures described in paragraph 6 above must be followed to control the load by voice commands.

4 - MANAGEMENT WITH REMOTE CONTROL

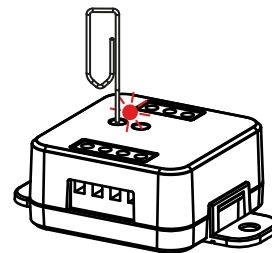
This procedure lets you programme/delete compatible transmitters.

4.1 - RADIO PROGRAMMING

This procedure lets you programme compatible multifunctional or generic transmitters.

STEP 1

Press the button P1 on the receiver for a short time.
The LED comes red on and stays on.



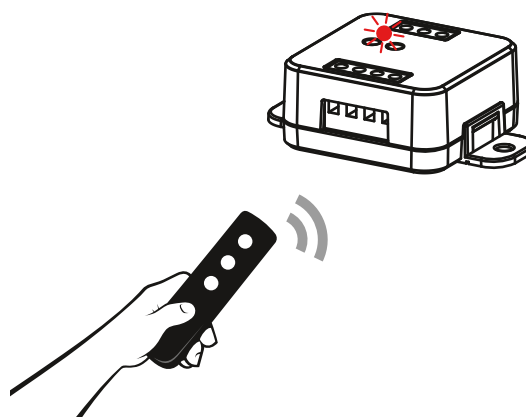
ACTION: Short pressure P1 button LED: Turns on red



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.



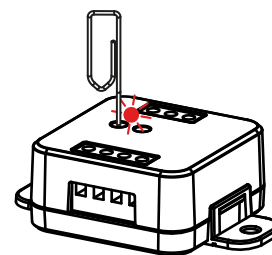
ACTION: Send a command with remote control LED: Flashes 3 times

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 P1 down (about 8 seconds,) until the LED begins to Flash.



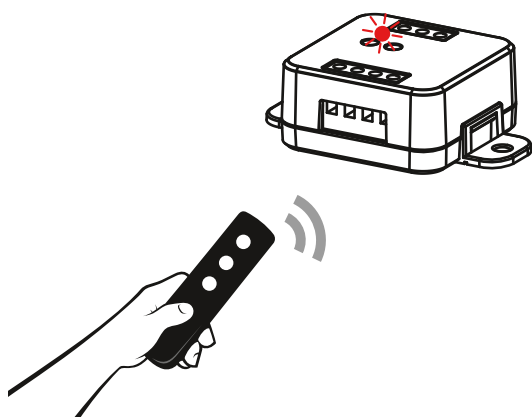
ACTION: Hold button P1 down LED: Flashes red

DELETION OF SINGLE
TRANSMITTER

DELETION OF ALL
TRANSMITTER SAVED

STEP 2a

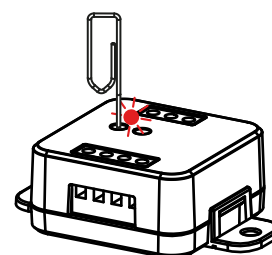
Within 10 seconds make a transmission with the transmitter that you want to delete.
The LED flashes quickly and turns off.



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

STEP 2B

Within 10 seconds press the button P1 on the receiver for a short time to confirm the deletion of all transmitters.
The LED starts Flashing quickly and turns off.



ACTION: Short press of button P1
LED: Flashing quickly and turns off

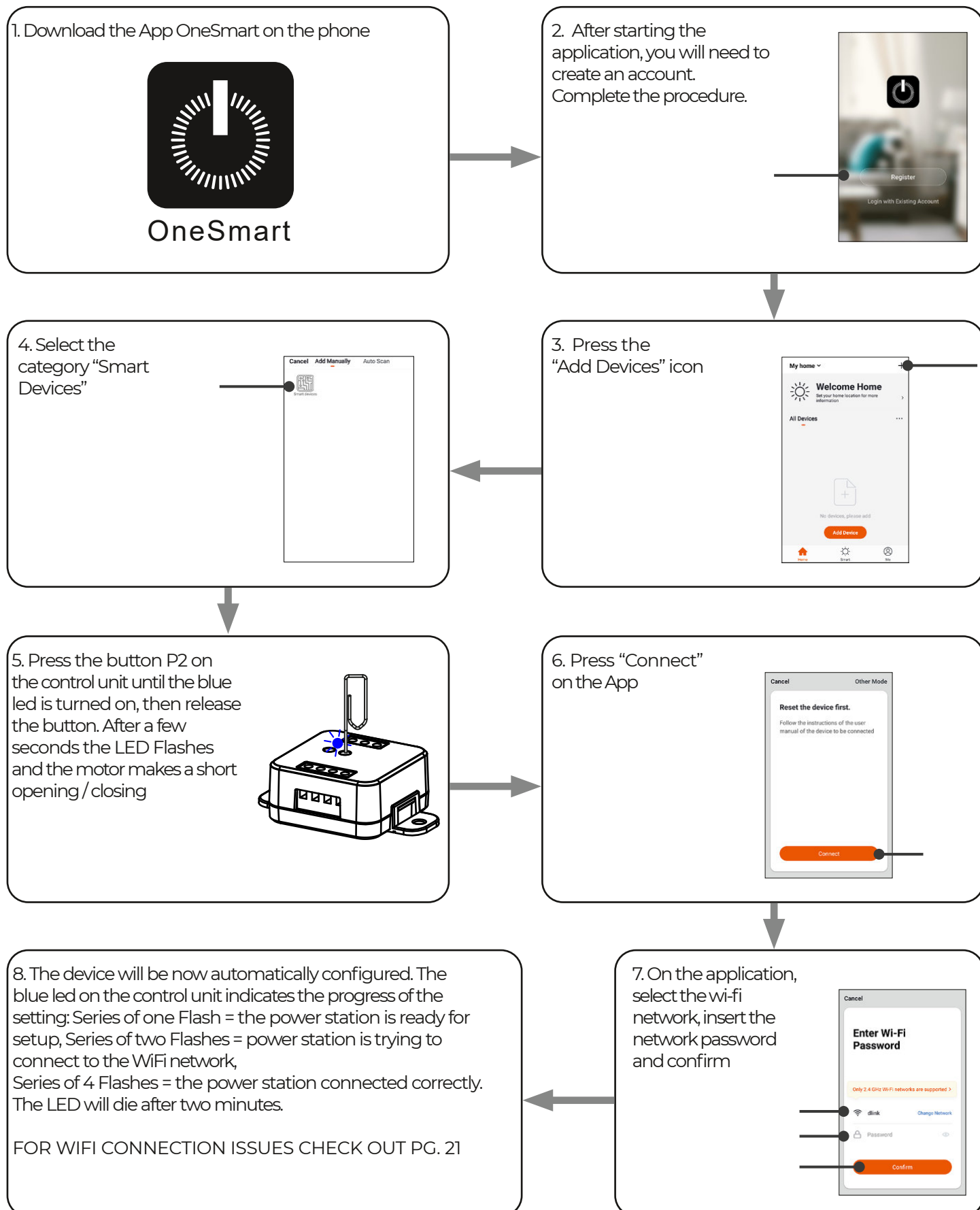
5 - CONTROL WITH APP ONE SMART

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 to the application. It shall be repeated for each control unit on the installation.

ATTENTION: an internet-based 2,4GHz Wi-Fi (no 5GHz) network is required for this operation.



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 open of the rolling shutters
- Scenario Film (Close the rolling shutter and dimming the desired lights at low intensity level)

EXAMPLES OF AUTOMATIONS:

- Hourly and weekly programs
- Close the rolling shutters at the sunshine •

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.

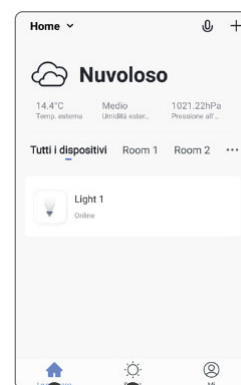
PROCEDURE FOR ADDING NEW USERS/MEMBERS.

1- From the “ME” menu (5), select “Home Management” (7) and then go to the house configurations and find “Add Member”

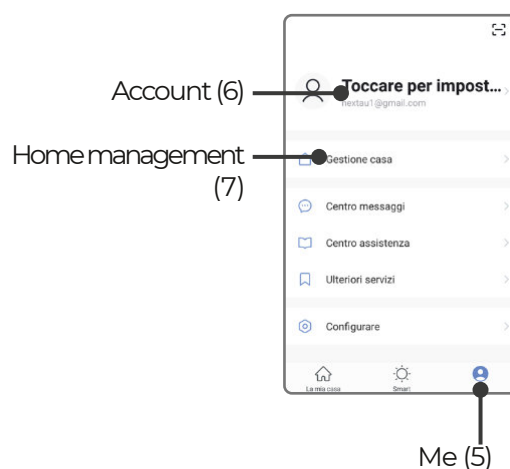
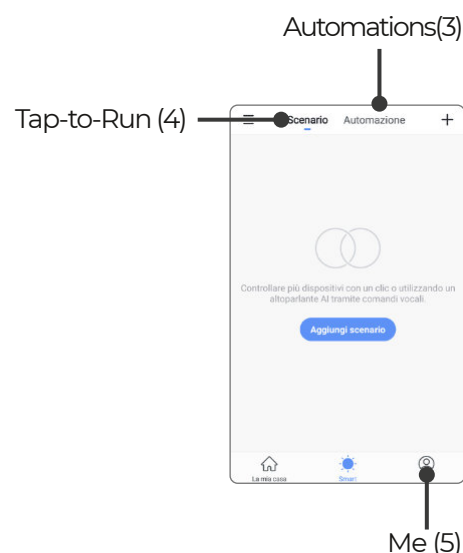
2- Insert the “OneSmart” account you want to add (email or mobile phone number of the new member), the new member will receive a notification of the invitation.

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)



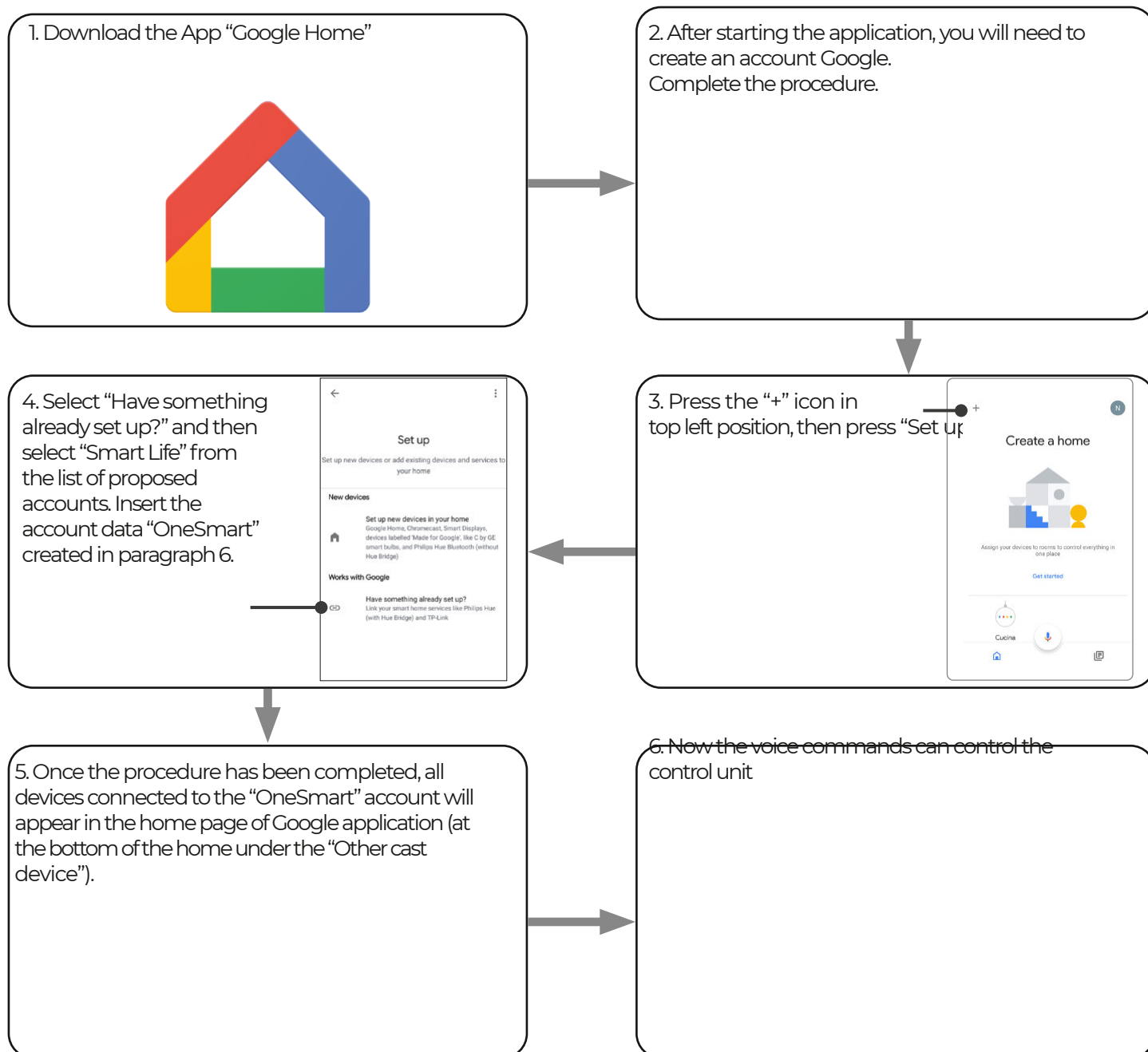
6 - CONTROL BY VOICE COMMANDS

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.



NOTES:

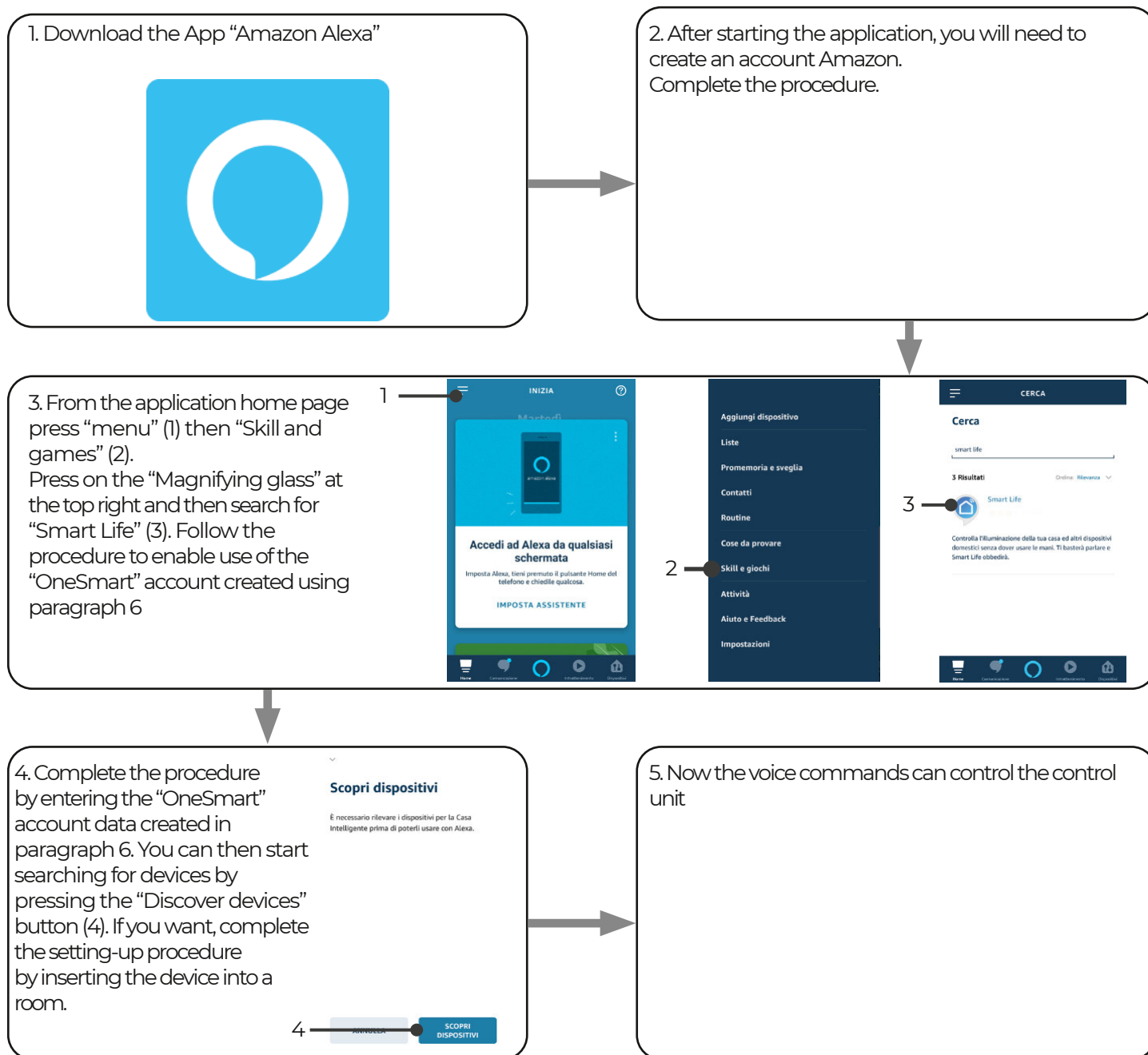
If you add other devices to your OneSmart application, they will automatically be added to the Google Home page. To use them with voice control, you need to add them to a room in the Google Home application, see step 6 of the procedure.

If devices are not added automatically, disconnect and reconnect your account from step 3 of this procedure from Google Home.

6.2 - CONNECTION TO "AMAZON ALEXA"

PROCEDURE

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



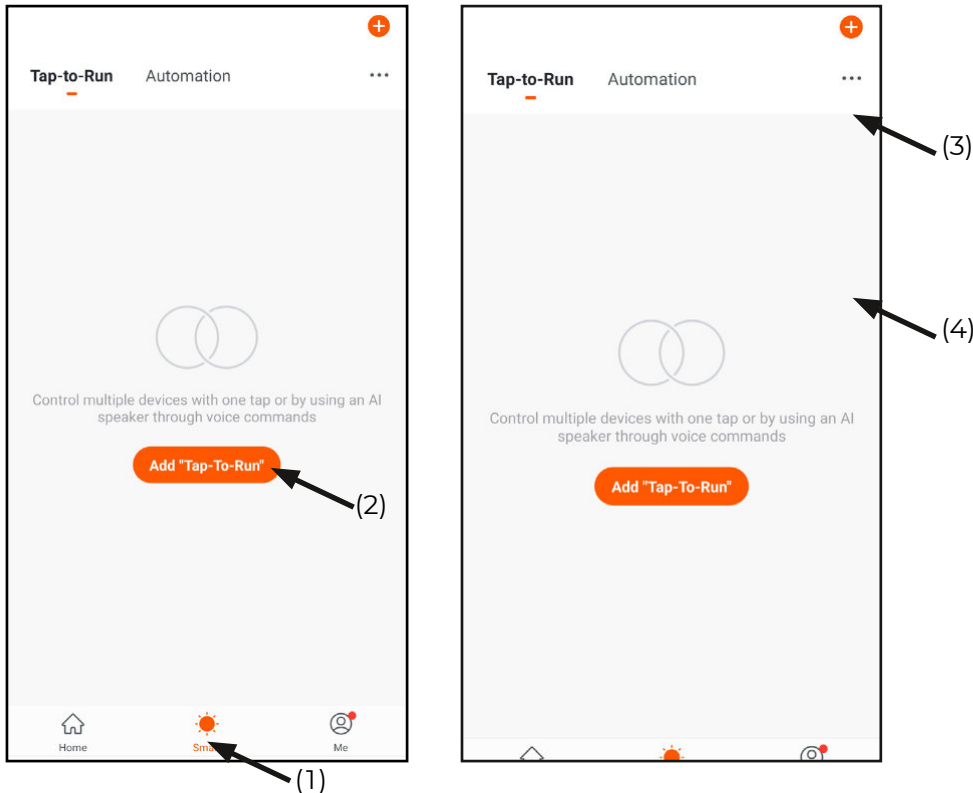
6.3 - USING VOICE CONTROLS

In order to set up voice commands, you must create a scene on OneSmart and then associate it with a Google or Alexa routine by choosing the phrase to pronounce to match the most appropriate action.

You must create a scene for each command you want to use with the voice.

The available commands are: Open / Stop / Close / Partial Open

6.3a - CREATING A SCENARIO ON ONE SMART



- On the OneSmart application go to the Smart window (1)
- Press "Add Tap to Run" (2)
- As a condition, select "Click to execute" (3)
- Select the device, then select the the desired command (open, stop, close or partial open) (4)
- Rename and save

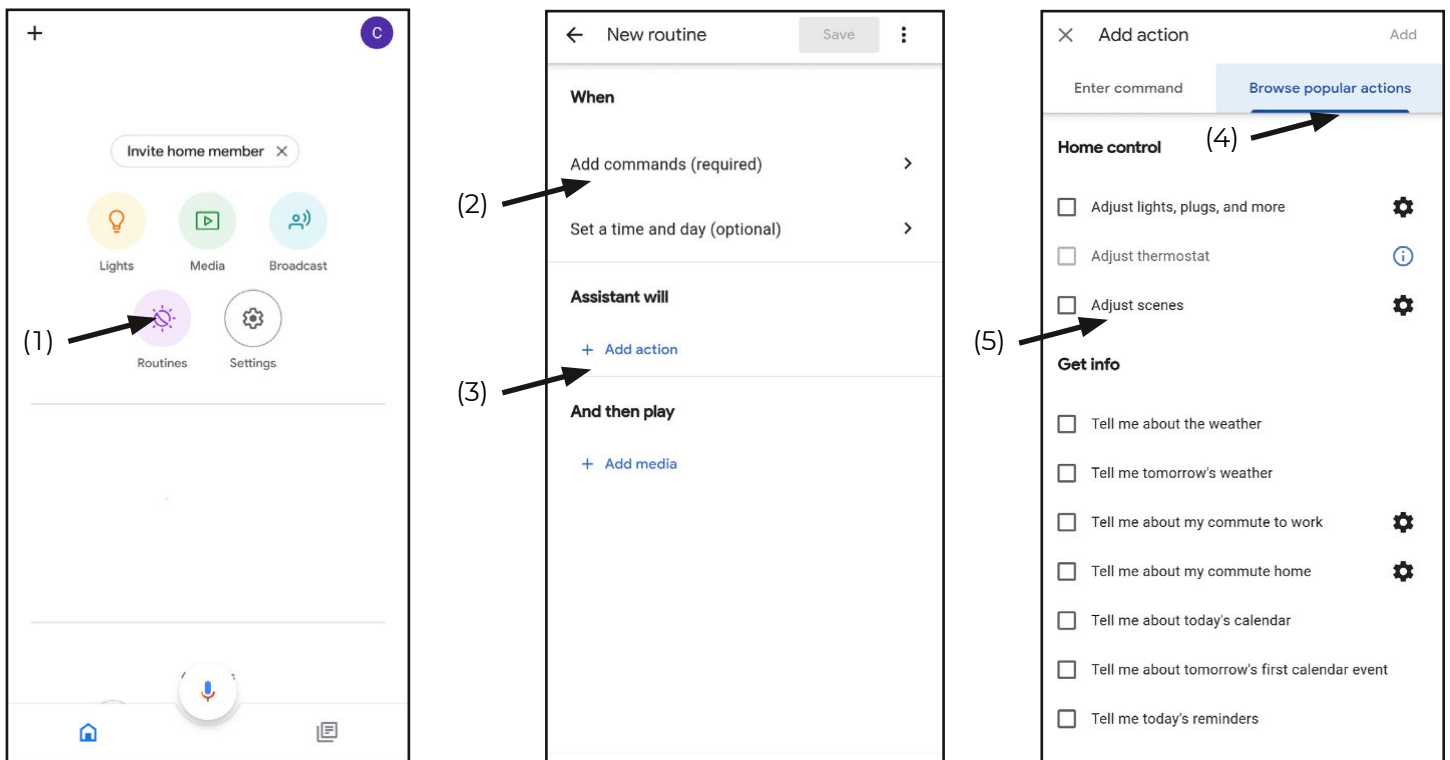
6.3b - CREATING A GOOGLE ROUTINE

1 - On the Google Home application, select Routines (1)

2 - Create a new routine and insert the phrase you want to pronounce to "Add Commands" (2)

3 - On "+ Add Action" (3), select "Browse popular actions" (4) and then "Adjust Scenes" (5)

4 - Select the scene created on OneSmart in procedure 6.3a.

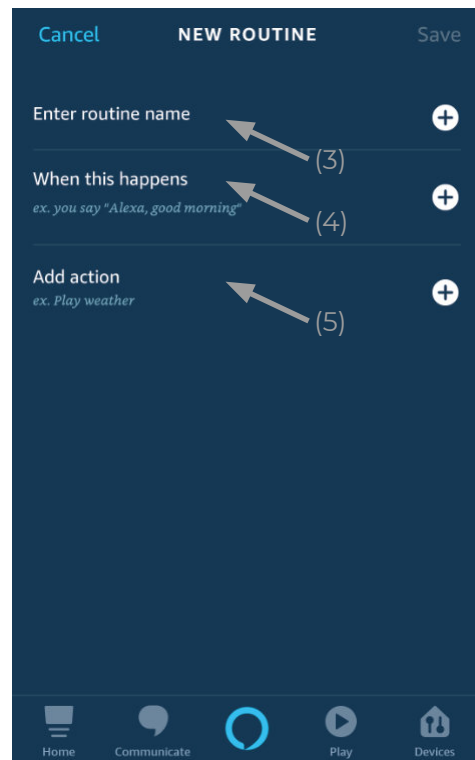
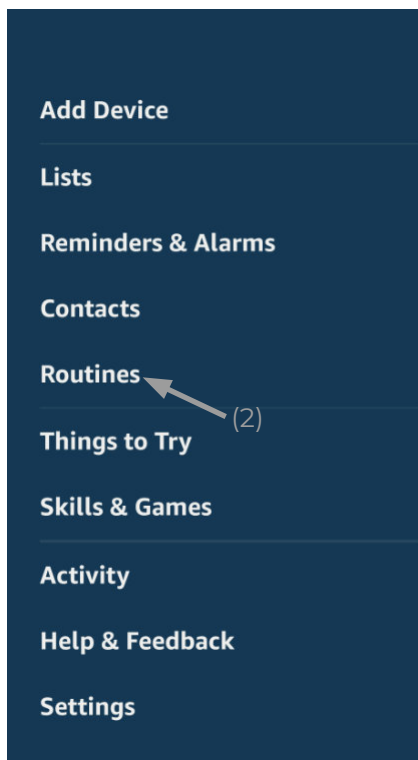
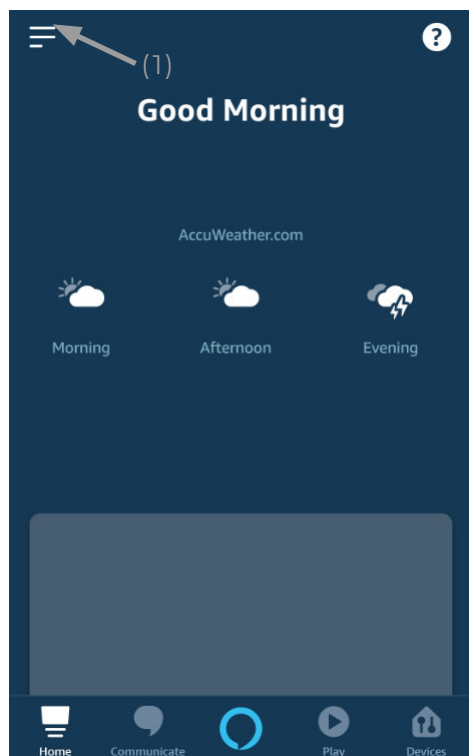


6.3c - CREATING A ALEXA ROUTINE

1 - On Alexa application, select the menu (1)

2 - Select "Routines" (2), and then add a new one

3 - Enter the name (3), the phrase you want to pronounce (4), and "add an action" (5) select "Smart Home", then select "Control scene". Select the scene created on One Smart in procedure 6.3a.



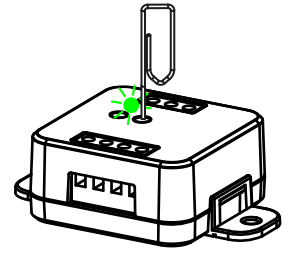
7 - ADVANCED PROGRAMS

7.1 - CONFIGURATION OF MANEUVER TIMES Default: 60 seconds

This procedure is used to set the opening and closing manoeuvre time (maximum time that can be set 180 seconds).

STEP 1

Make short pressures of the P2 button.
Each time the LED changes colour green/yellow/magenta/ green...
Stop pressing when the LED is green.

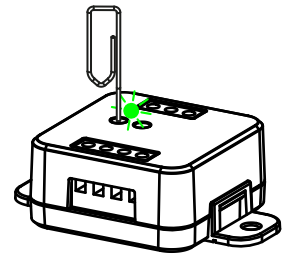


ACTION: make a short presses of button P2 LED: Turns on green/yellow/magenta/green...

STEP 2

Press the button P1 on the receiver for a short time and count the number of Flashes emitted by the LED (max 180 Flashes): each Flash represents a second of manoeuvre time.

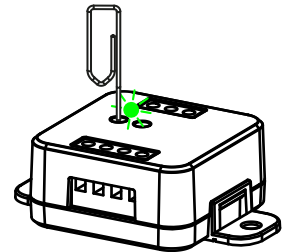
Attention: the control unit Flashes one time every 1second, example:
120 seconds = 120 Flashes = 2 minutes of manoeuvre



ACTION: Short pressure P1 button LED: Flash

STEP 3

To end the count press the button P1 for a short time during the Flash that corresponds to the function desired



ACTION: Short pressure P1 button LED: Turns off

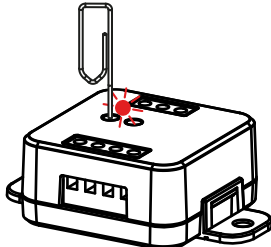
7.2 - FUNCTION CUSTOMIZATION OF THE “WIRELESS BUS” GENERIC TRANSMITTER BUTTONS

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

PROCEDURE

STEP 1

Press the button P1. The led turns on red.

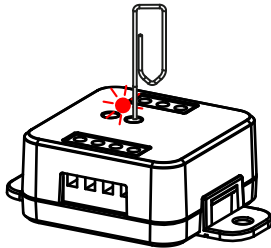


ACTION: Short press of button P1 LED: Turns on red

STEP 2

Press the button P2 on the receiver for a short time and count the number of Flashes emitted by the LED:

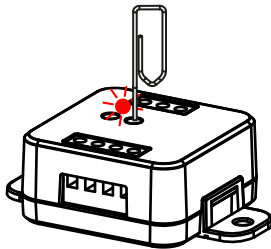
NUMBER OF FLASHES	FUNCTION
1	Open
2	Stop
3	Close
4	Open (short press) /Stop (long press)
5	Close (short press) /Stop (long press)



ACTION: Short press of button P2 LED: Count the number of Flashes

STEP 3

Press the button P2 for a short time during the Flash that corresponds to the function desired to end the count. The led stop Flashes and lights up steadily.

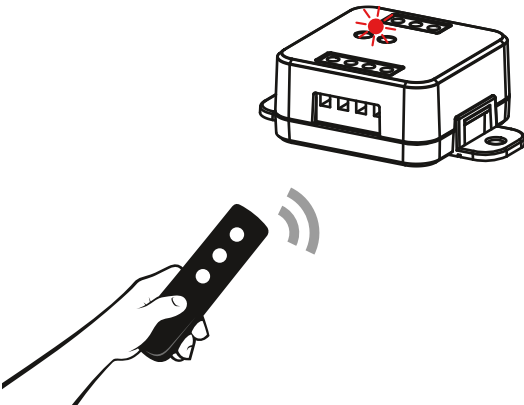


ACTION: Short pressure of button P2 during the Flash LED: Stop Flashes

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

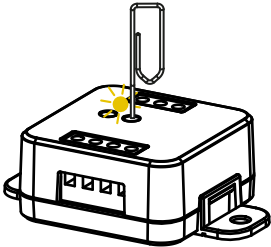
7.3 - WIRED INPUT SETTING Default: Mono button

This procedure lets you select the function of inputs “P1” (terminal 3) and “P2” (terminal 4). WARNING: the connected devices must be buttons.

PROCEDURE

STEP 1

Make short pressures of the P2 button.
Each time the LED changes color: green/yellow/magenta/ green...
Release the key when the led is yellow

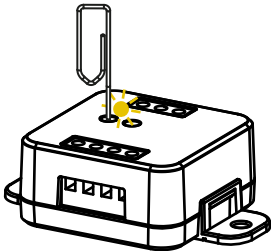


ACTION: Short presses of buttons P2 LED: green/yellow/magenta/green...

STEP 2

Press the button P1 on the receiver for a short time
and count the number of Flashes emitted by the LED:

NUMBER OF FLASHES	ASSIGNATION
3	Mono Button: P1= Open/Stop/Close
6	Double button P1= Open/Stop P2= Close/Stop



ACTION: Short pressure P1 button LED: Flash

STEP 3

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

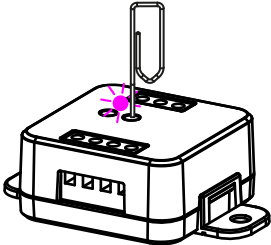
7.4 - WIRED INPUT MODE SETTING Default: automatic

This procedure allows you to select the mode of operation between:
automatic: after pressing the button the automation completes the movement to the limit switch
present man: automation moves until the button is pressed

PROCEDURE

STEP 1

Make short pressures of the P2 button.
Each time the LED changes colour green/yellow/magenta/ green...
Release the key when the led is magenta

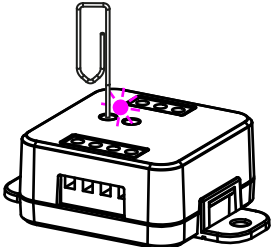


ACTION: Short presses of button P2 LED: green/yellow/magenta/green...

STEP 2

Press the button P1 on the receiver for a short time
and count the number of Flashes emitted by the LED:

NUMBER OF FLASHES	POSITION
3	Automatic
6	Present man



ACTION: Short pressure P1 button LED: Flash

STEP 3

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

7.5 - RESET OF THE CONTROL UNIT

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

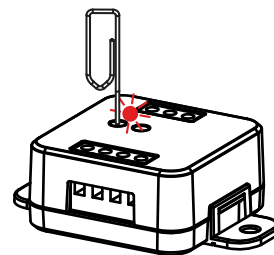
ATTENTION: the only parameter that will not be removed will be the association with the ONESMART application.

To edit or delete also this parameter, reed the procedure.

PROCEDURE

STEP 1

Hold the receiver button P1 down (about 4 seconds)
until the LED begins to Flash red.

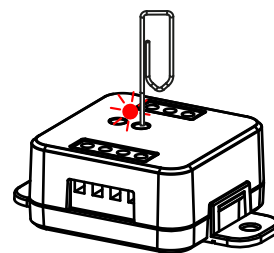


ACTION: Hold button P1 down LED: Flashes red



STEP 2

Within 10 seconds, make a short press of P2 button.
The LED1 Flashes quickly and turns off.



ACTION: Short press of P2 button LED: The led Flash quicly and turns off

8 - INSIGHTS

8.1 – ISSUES WHEN CONNECTING THE CONTROL UNIT WITH WIFI

If you're having problems connecting the control unit to the router, we suggest to:

FIRST CHECKS:

- check if the network used to connect the control unit is running at 2.4GHz (not 5GHz)
- the smartphone you use must be connected to the same WiFi on which you want to connect the device - please check if the entered password is correct

STEPS TO DO:

- close the app and try again to connect the device
- if possible try with another smartphone to check if it works

If the problem is not fix, there may be some settings in your router that make the network incompatible with the device. To check and change these settings it's necessary to access the router settings.

As soon as you access the router settings (it depends on the model of router you have) try to check and set these parameters:

WIFI FREQUENCY BAND

some routers generate a network that is set automatically at a frequency of 2.4GHz or 5GHz, depending on the device you are connecting with. When you are trying to connect the device through your OneSmart account, your smartphone may be connected automatically at the frequency band of 5GHz, failing the connection with your device.

It's therefore necessary to access the router settings and set the 2.4GHz as the main network frequency to use.

Otherwise it's possible to create two different WiFi networks, one for the 2.4GHz and one for the 5GHz band, and during the pairing phase make sure your smartphone is connected to the 2.4GHz network.

WIFI SECURITY SETTINGS

some routers could have default security settings not compatible with the device.

Please find out which security protocol type your Wi-Fi router is and change it to:

WI-FI SECURITY:

SECURITY TYPE: WPA2
ENCRYPTION TYPE: AES