MyHOME_Up

HOME AUTOMATION

TECHNICAL GUIDE

POWERED BY SPECIALISTS

legrand®

eliot™
PROGRAMME BY LEGRAND

The MyHOME_Up app is available for download on the App Store and Google Play

Contents

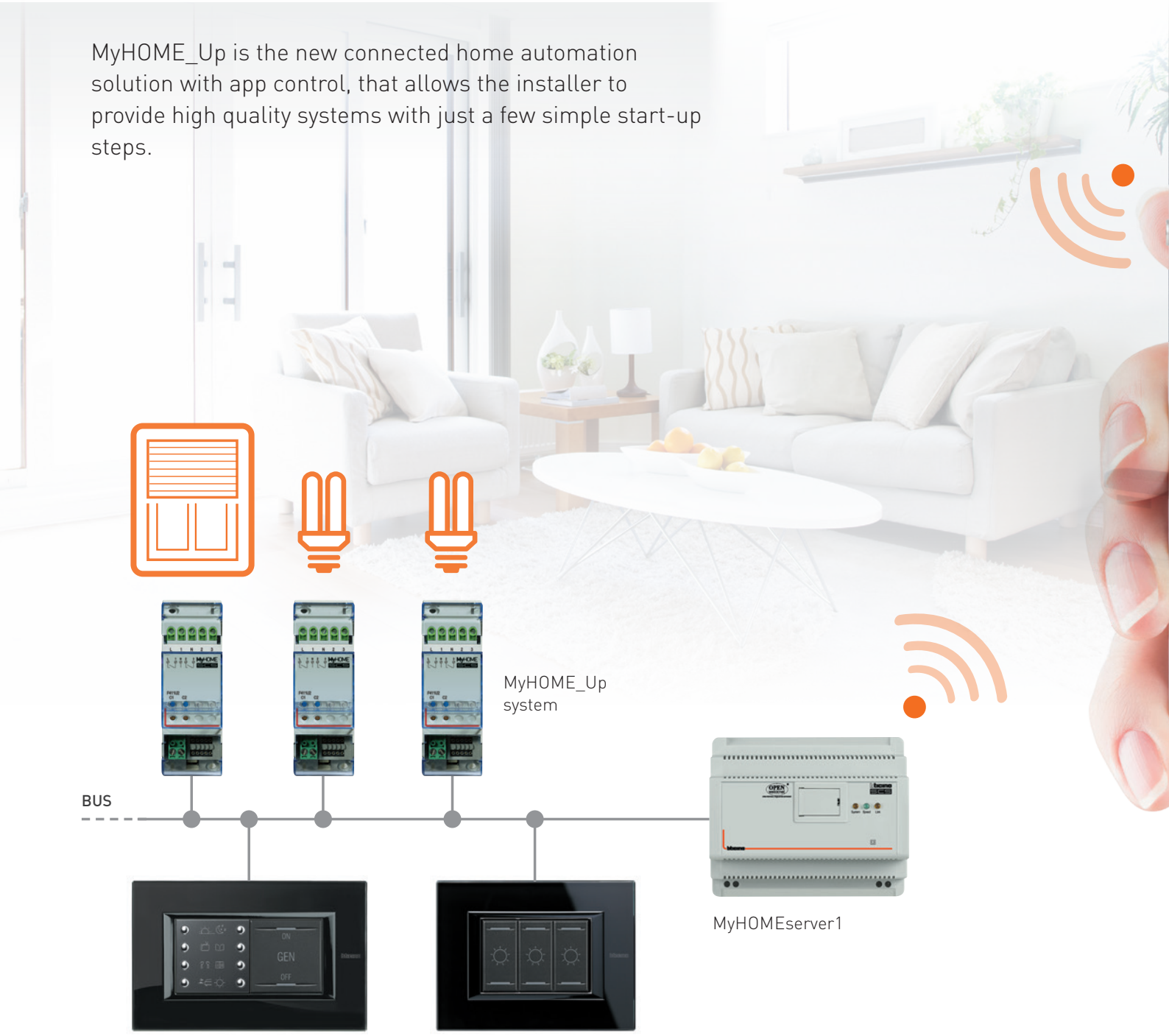
MyHOME_Up

HOME AUTOMATION

Home automation for all

A single app to easily associate devices, and to control and personalise all MyHOME_Up functions.

MyHOME_Up is the new connected home automation solution with app control, that allows the installer to provide high quality systems with just a few simple start-up steps.

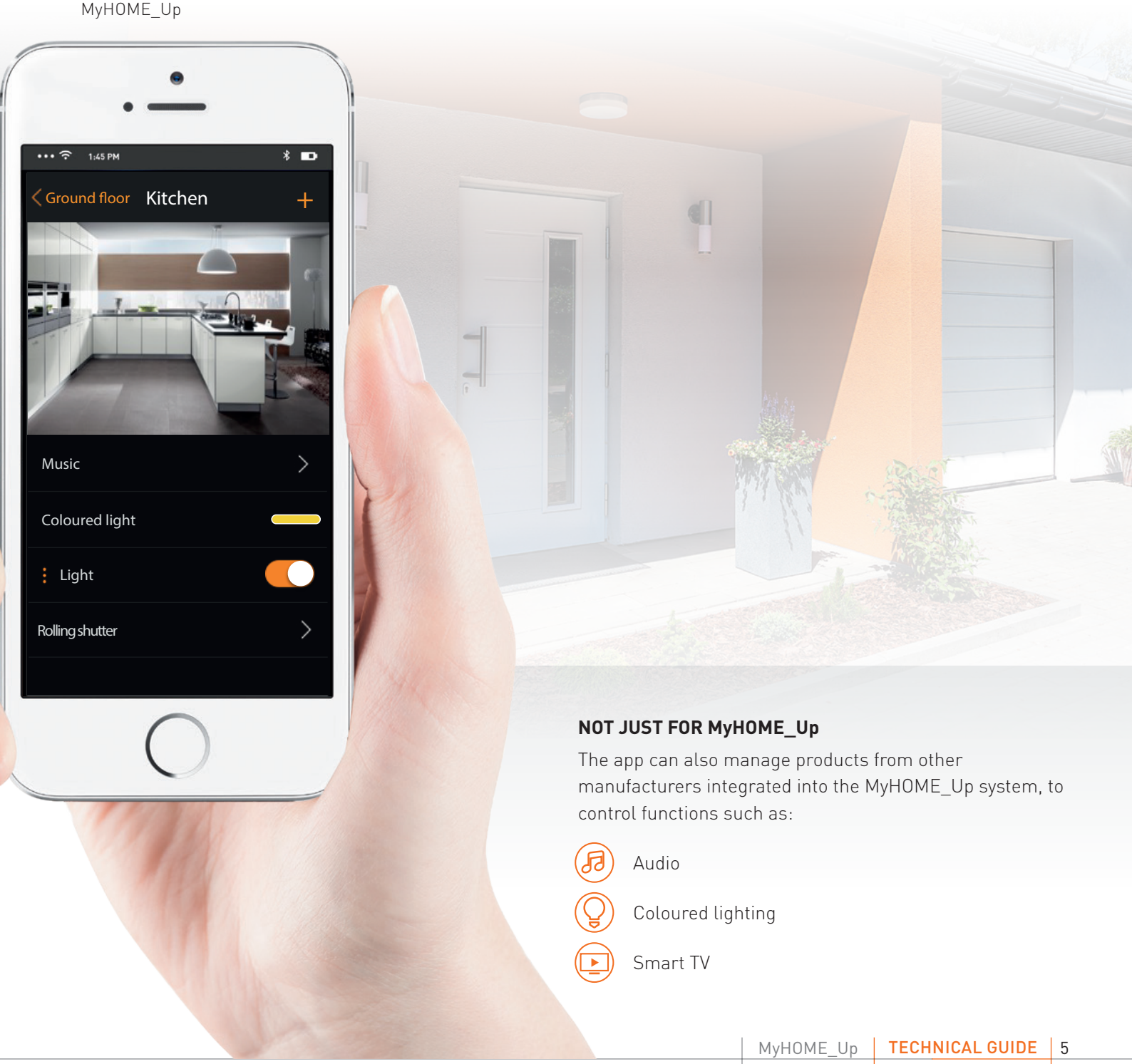


The MyHOME_Up logic is simple: it is a smart electrical and digital infrastructure using 2-wire BUS technology to connect devices and MyHOME_Up, with an innovative app for the installer and end user.

The dedicated app allows:

- the installer to easily associate multiple devices when starting up the system, thanks to the self-learning procedure
- the user to manage their home automation system, whenever and wherever.

MyHOME_Up



NOT JUST FOR MyHOME_Up

The app can also manage products from other manufacturers integrated into the MyHOME_Up system, to control functions such as:

- Audio
- Coloured lighting
- Smart TV

MyHOME_Up
SYSTEM INSTALLATION

Discover how easy it is to associate device functions.

Assigning functions to multiple devices is quick and easy, and can be performed in just a few simple steps.

1

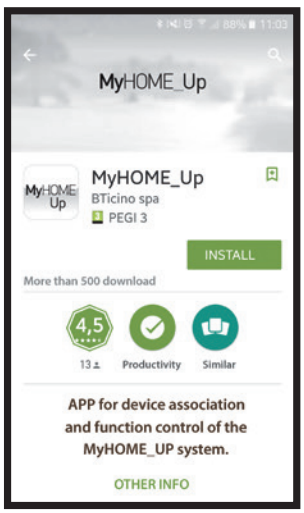
Connect the devices and the MyHOMEserver1 to the BUS system.

The self-learning procedure will be completely automatic. After a few minutes, all the actuators will be working perfectly in default mode.

MyHOMEserver1

2

Download MyHOME_Up free from the app and Google Play stores.

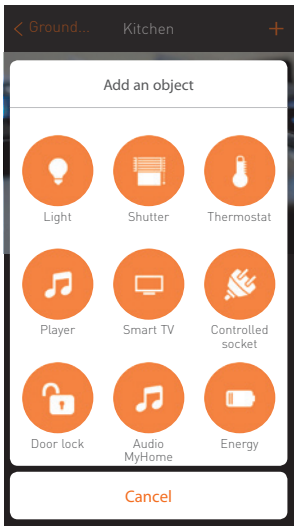


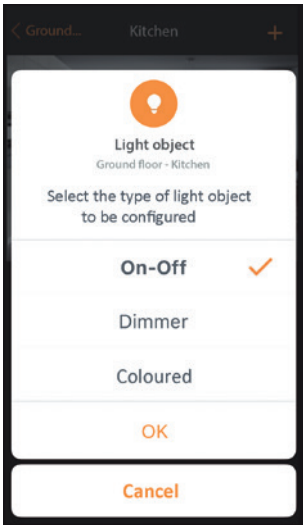
3

Open the app which will connect to the system using Access Point.

4

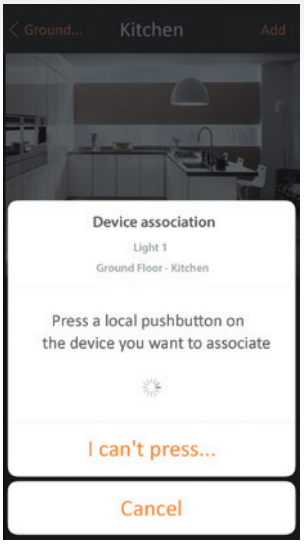
After logging in, **select** the room and the function to be associated.

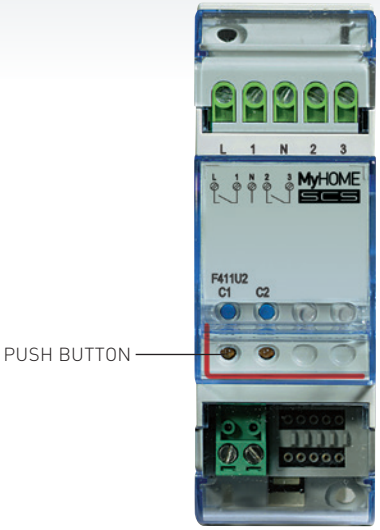




5

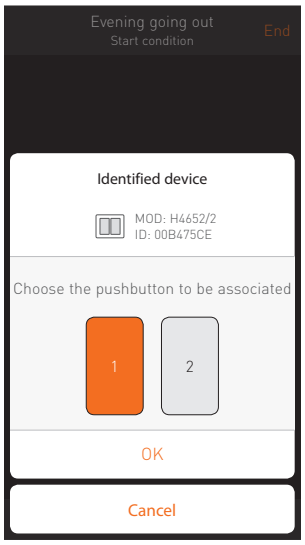
Press the push buttons of the devices you want to associate; if it is difficult for you to reach the devices, you can select them from the list which the MyHOME_Up app has found on your system.

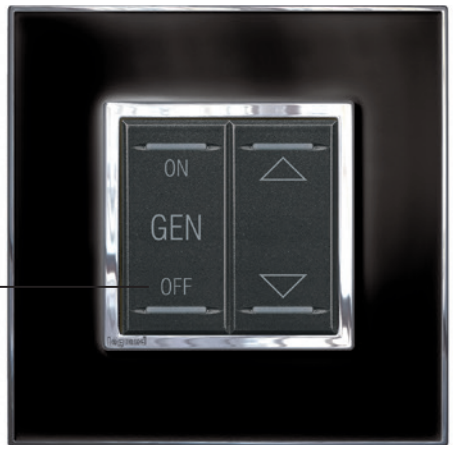


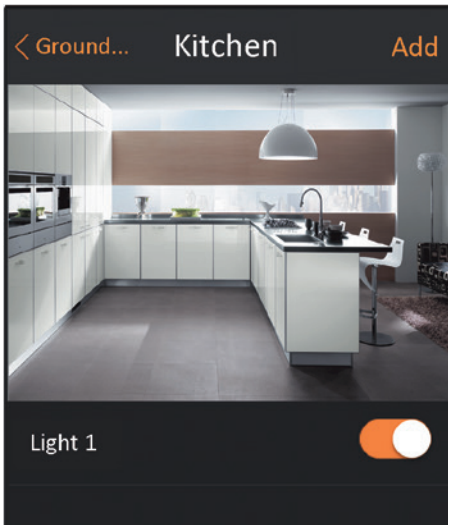


6

Associate the control devices by pressing their push buttons. Once associated, all the controls selected will be working perfectly. You will have also created the graphic object to check the function from a mobile device.







Your work is complete.

You and your customer can manage the set functions.

Installation guidelines

Functions which can be set and managed by the MyHOME_Up app are described below:

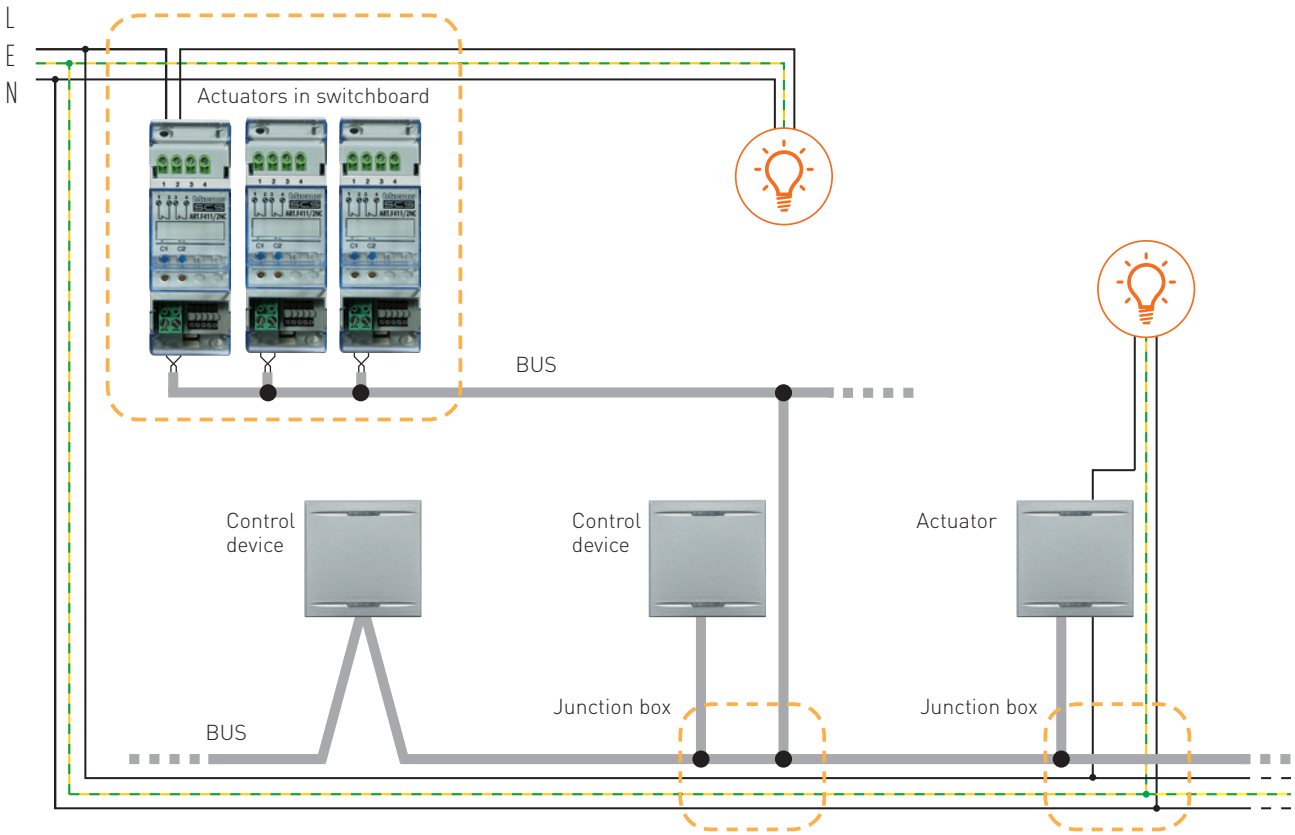
The main rules for system design and installation are also given; for more information consult the document "MyHOME – Guide to design and installation" available at **www.bticino.com/solutions/home-automation**

MyHOME_Up wiring features

The MyHOME_Up home automation system uses BUS installation technology. Devices are connected in parallel through a 2-wire system, used to transport the information and low-voltage electrical power supply (27 V d.c.).

The power line for the load power supply is free of the control line and the control line is independent of the functional wiring, which can be seen in the diagram below.

EXAMPLE OF WIRING FOR LIGHTING SYSTEM

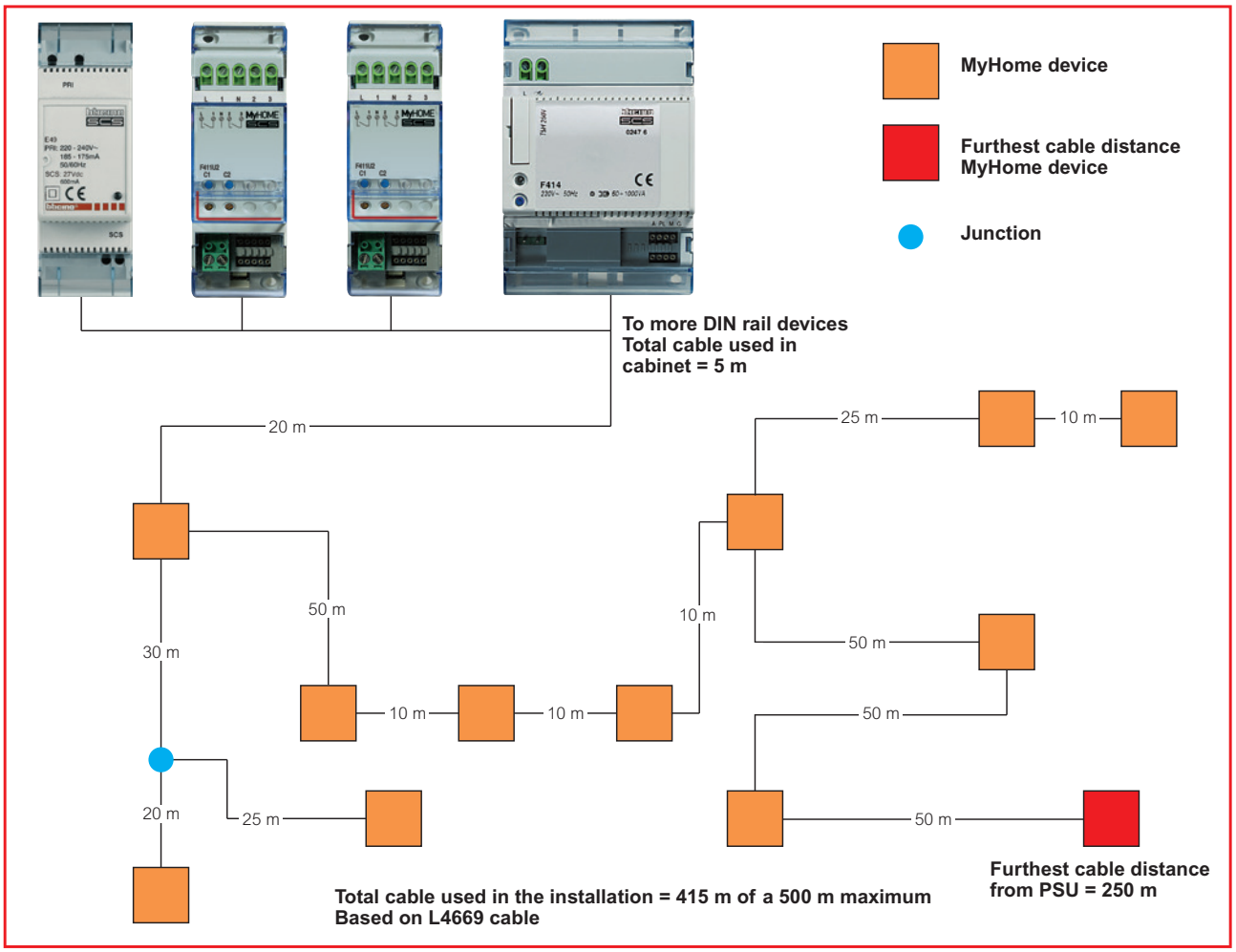


How to wire

MyHOME has been designed to utilise a free structured BUS wiring topology, meaning cabling to devices can be run and connected from any part of the system. There are only two rules that need to be checked when adding cable:

1. The furthest distance from the BUS power supply to any MyHOME device when using MyHOME cable cannot exceed 250 m.
2. The total amount of cable used to make up the entire wiring structure cannot exceed 500 m.

Example of wiring



MyHOME_Up
SYSTEM FUNCTIONS

LIGHTING CONTROL system

The system can manage up to 175 loads (lamps, shutters, controlled sockets etc.).

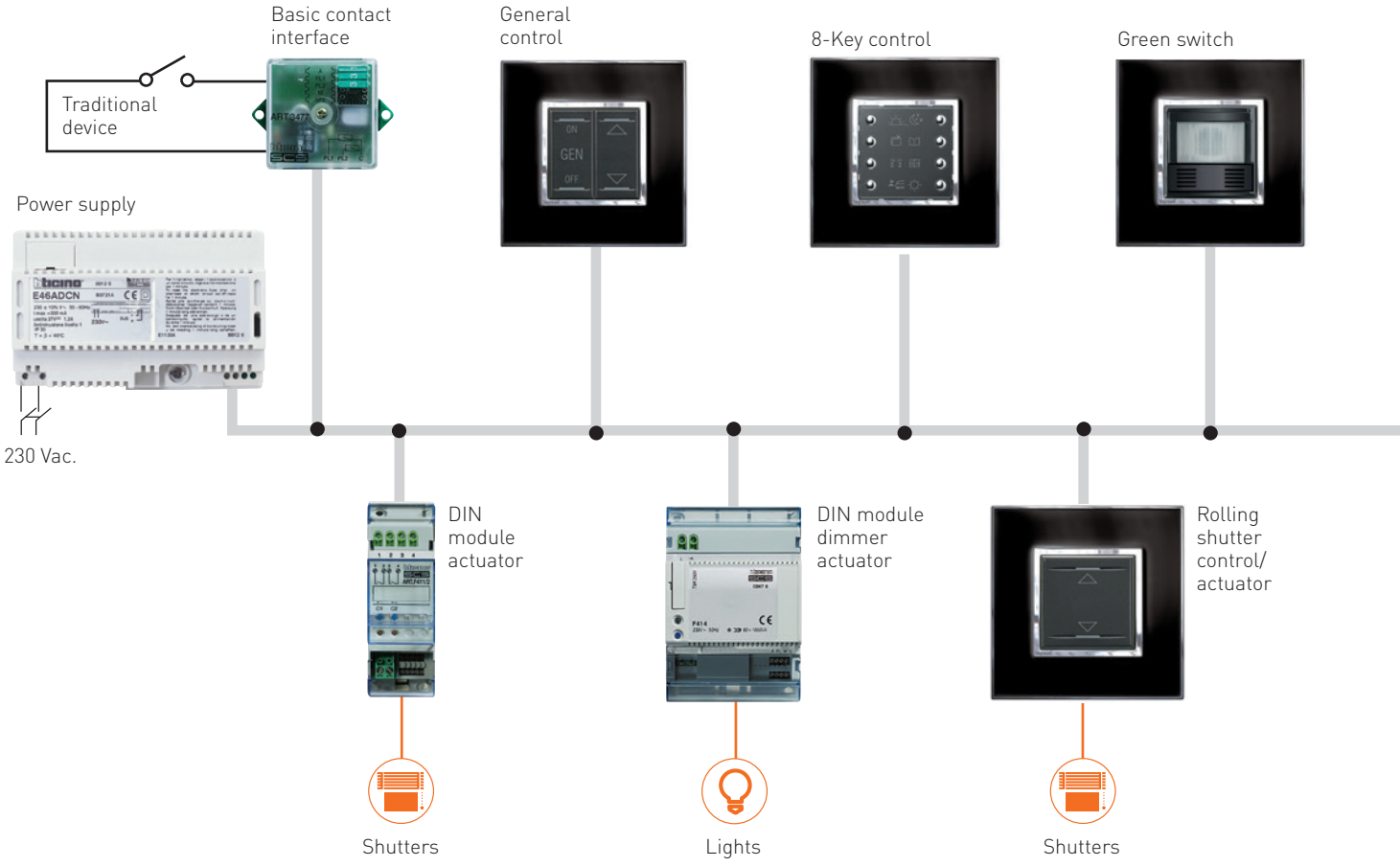
The MyHOME_Up app provides simple set-up of the lighting control system and checking of the operation of individual devices.

You can associate devices found in the system and create single or general commands and groups of lights and rolling shutters.

Possible functions

Using the MyHOME_Up app you can manage:

- different lights and loads with ON/OFF and dimmed control
- rolling shutters with UP/DOWN control and management of the preferred position
- automatic switching on of loads as a function of presence (using sensors) or the closing of a contact (using contact interfaces).



Installation rules

Forming the BUS: with grey cable Cat. No. L4669 or Cat. Nos. L4669/500 and L4669KM1.

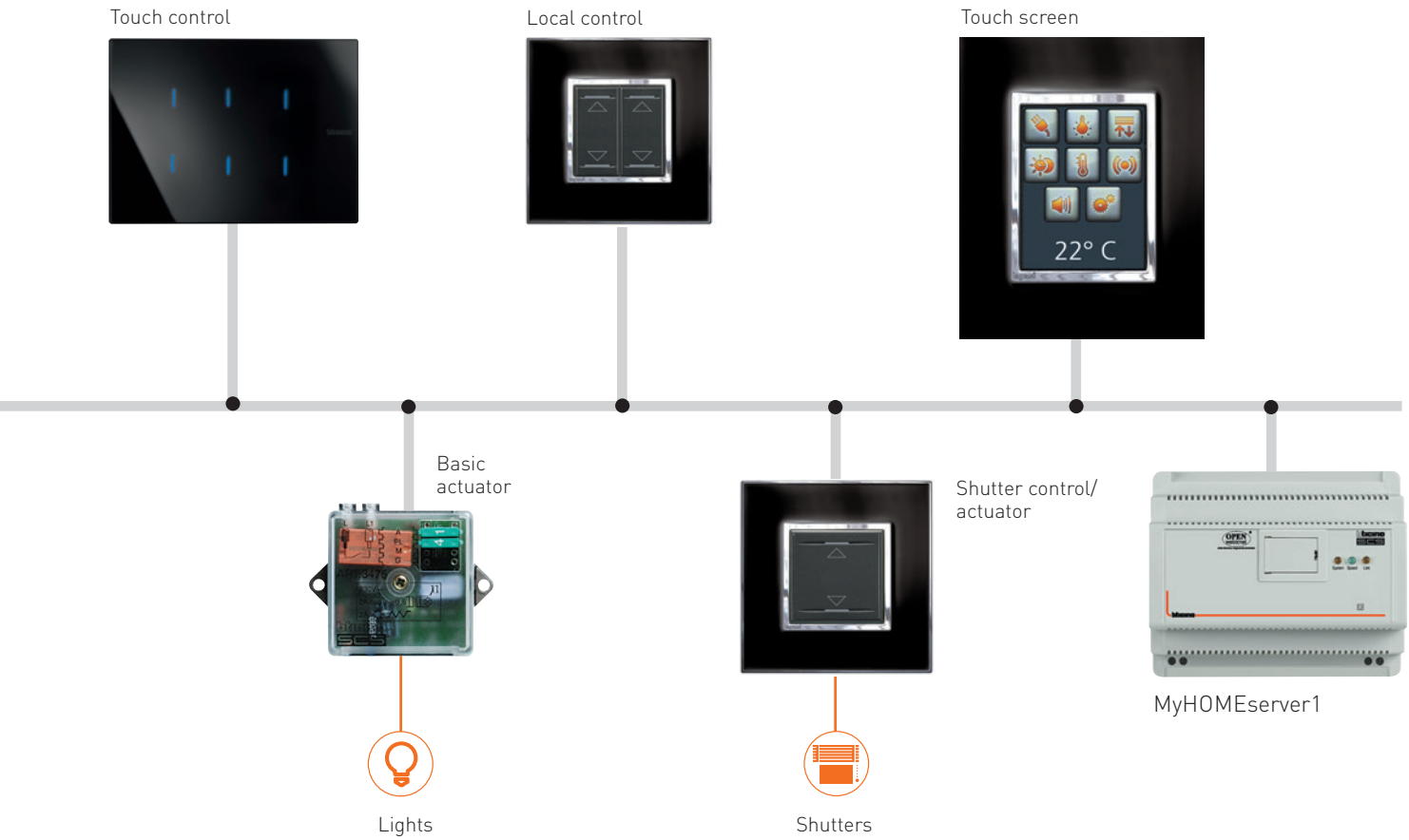
Max. length of the BUS: 500 m

Selecting the power supply: select the power supply according to the total absorption of the devices.

Use power supply Cat. No. E49 for absorptions less than 600 mA. If between 600 mA and 1200 mA, use Cat. No. E46ADCN. The absorption value is indicated on the technical card of each device.

Associating the devices and definition of the functions:

By means of installing the MyHOMEserver1 device in the system and using the MyHOME_Up app for tablet and smartphone.



SYSTEM FUNCTIONS

LIGHTING CONTROL system

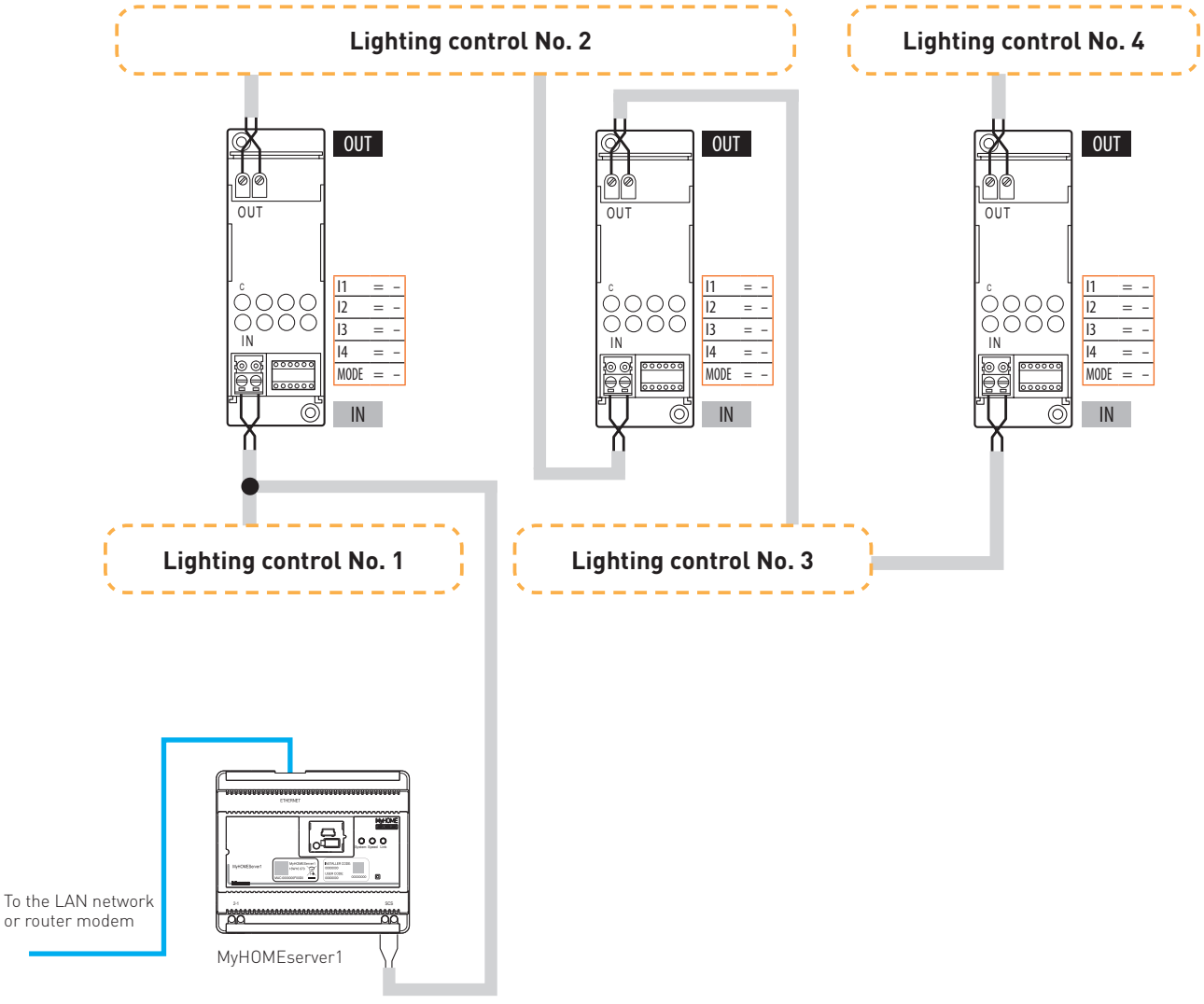
Installation rules

Max. distances - system expansion

Lighting control systems with BUS wiring more than 500 metres long, and current absorption values greater than 1200 mA, must be subdivided into several stretches, each with its own power supply and connected using interface Cat. No. F422 in 'non-configured' mode.

The interface will be configured by the MyHOME_Up app and the MyHOMEserver1 device connected to the IN terminal of the first interface.

The system can be extended using up to four interfaces Cat. No. F422.



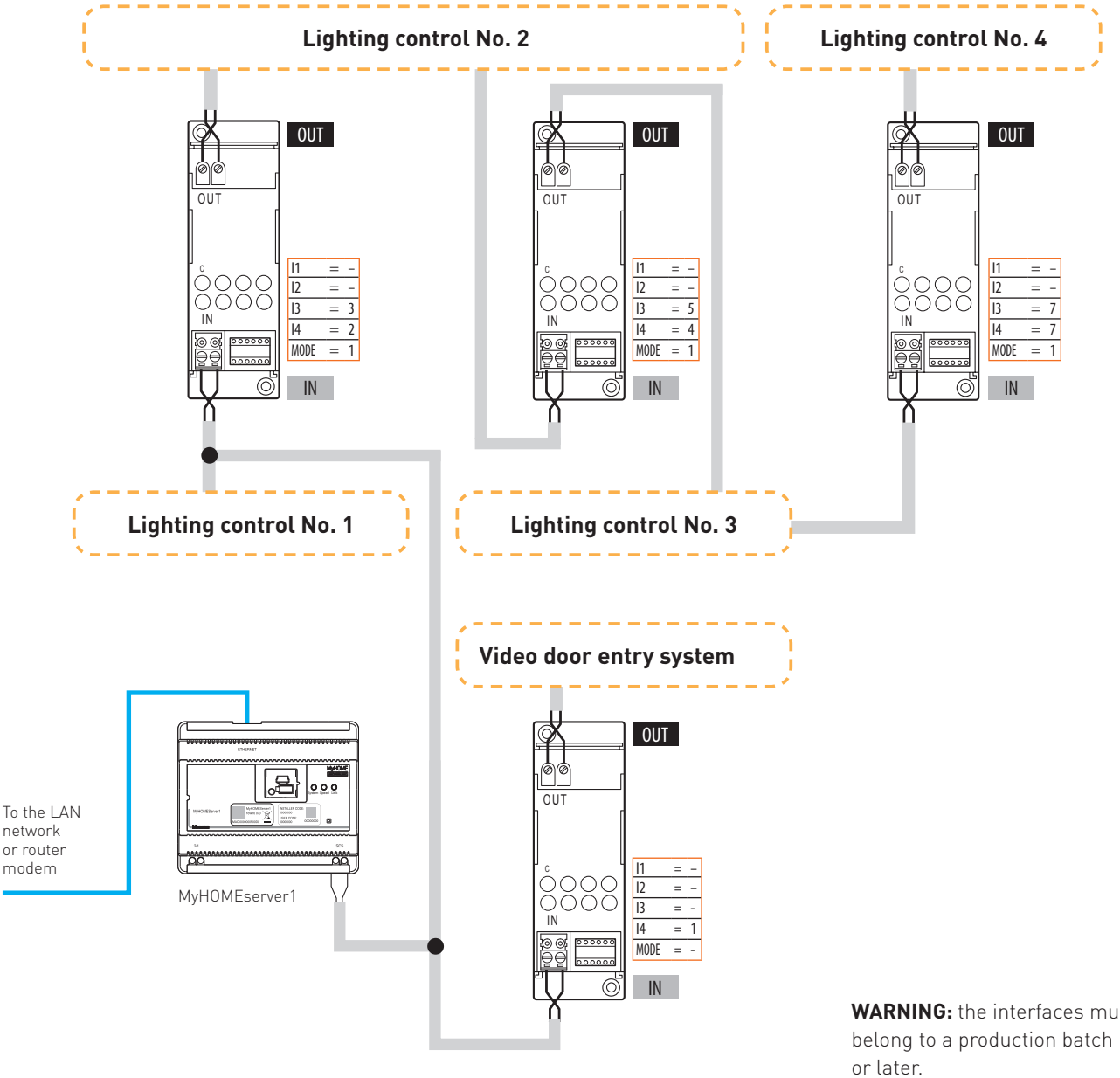
WARNING: the interfaces must belong to a production batch 12W20 or later.

Integration with other systems

Use interfaces Cat. No. F422 with 'galvanic separation – position MOD = 0' mode to integrate the lighting control system with the video door entry system. The address must be defined in position I4 of the two interfaces.

Connect MyHOMEserver1 to the integrated system for the definition of the functions only after the interfaces have been configured.

The system is integrated with the temperature control and consumption display system without using interfaces because all devices share the same BUS.



WARNING: the interfaces must belong to a production batch 12W20 or later.

MyHOME_Up
SYSTEM FUNCTIONS

TEMPERATURE CONTROL system

System to control a temperature control system which can be made in two types:

- with control unit Cat. No. 3550 and probes (see product guide for the range) for the management of up to 99 zones
- without control unit and using display thermostat Cat. No. 0674 59 used as zone thermostat, for the management of up to 99 zones.

Manageable functions

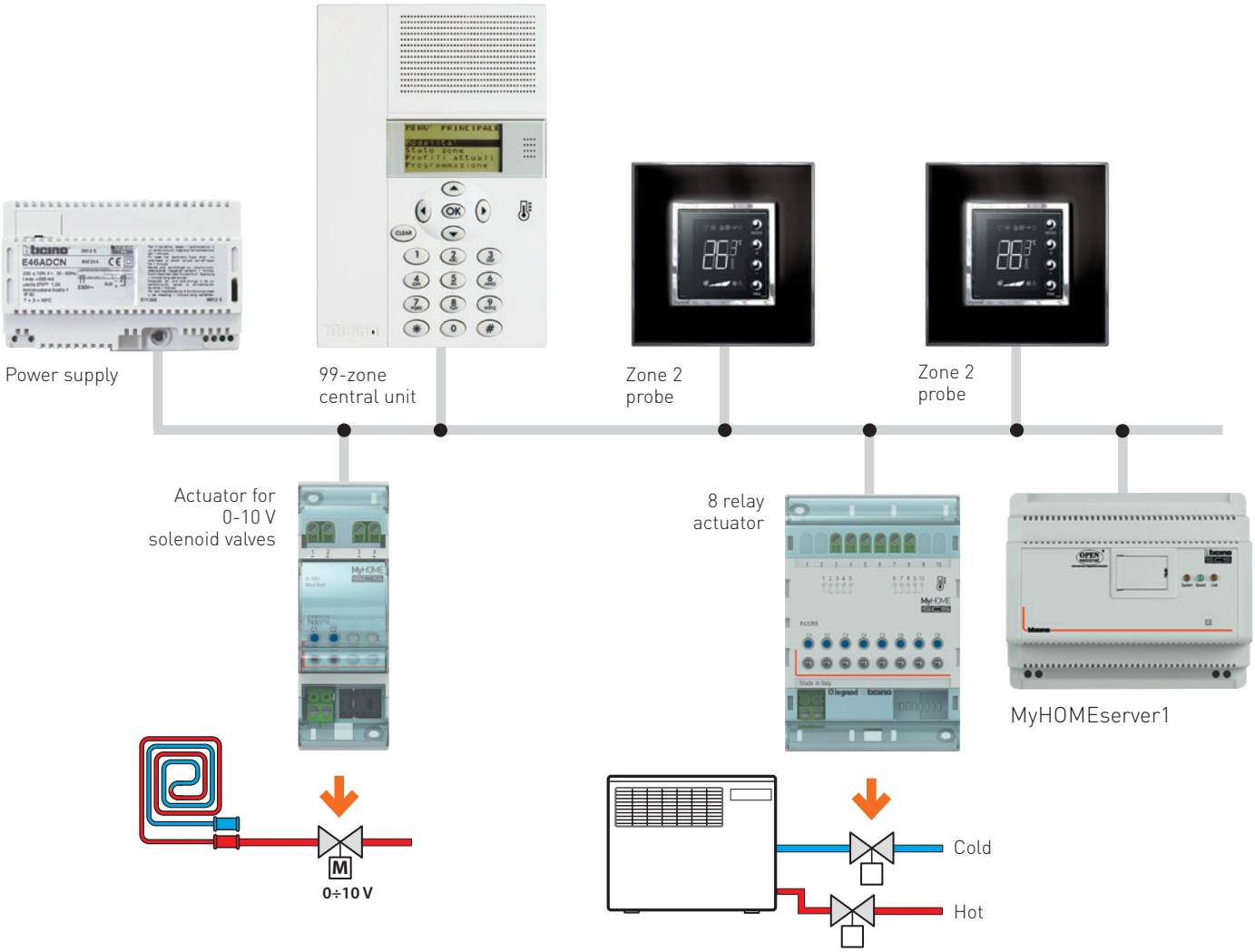
a. Systems with central unit:

- temperature display, touch screen and app
- setting the profiles using 99-zone central unit
- temperature management in the scenarios created with MyHOME_Up app.

Device configuration in the system:

- with physical configuration or with MyHOME_Suite software.

SYSTEM WITH CENTRAL UNIT CAT. NO. **3550**



a. Systems without central unit:

- temperature display and control using display thermostat and app
- temperature management in scenarios created with the MyHOME_Up app

Device configuration in the system:

- with physical configuration or with the MyHOME_Suite software.

The installer must carefully enter the system configuration parameters in the MyHOME_Up app for both types of system.

Installation rules

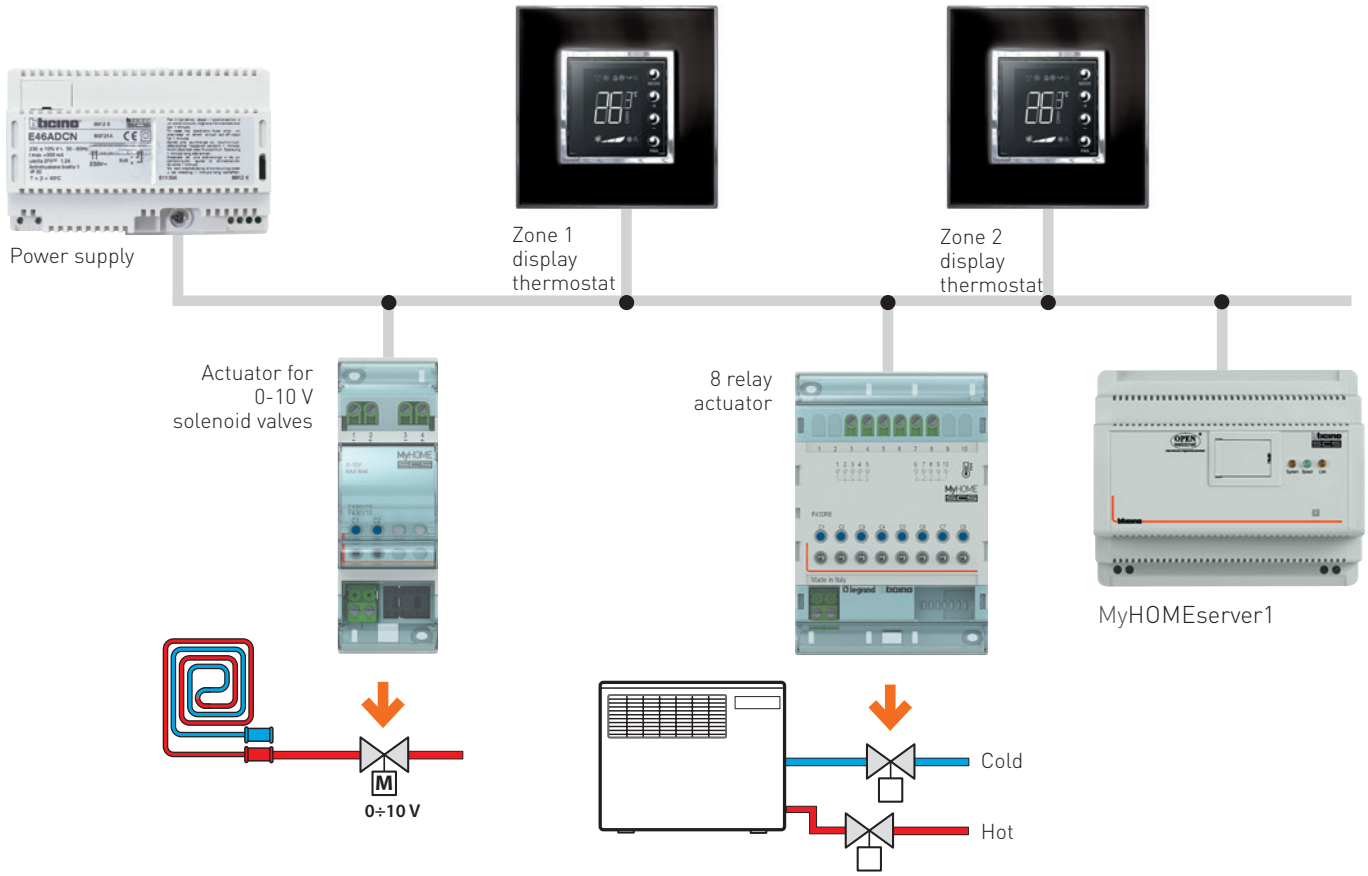
Apply the indications for the lighting control system.

MANAGEABLE FUNCTIONS

	With central unit Only 99-zone central unit*	Without central unit Display thermostat
Temperature display and control	Using display thermostat app and touch screen	Using display thermostat and app
Temperature profile setting	From central unit	No
Temperature management in the MyHome_Up scenarios	Yes	Yes
Compatible temperature control actuators	All	All
Display thermostat	Yes (Master probe mode)	Yes (Home mode)

* MyHOME_Up app cannot manage temperature control systems with a 4-zone control unit.

SYSTEM WITH DISPLAY THERMOSTAT CAT. NO. **0674 59**



MyHOME_Up
SYSTEM FUNCTIONS

CONSUMPTION DISPLAY system

Energy meters to display (max. 255) electricity consumption and the production of instantaneous electrical energy.

Manage energy functions

The instant electrical consumption/production value can be displayed on the touch screens and the MyHOME_Up app.

Only touch screens can display electrical consumption/production history.

The app can use the consumption value as a condition for activating smart scenarios.

The installer must enter the address of compatible devices in the MyHOME_Up app.

The compatible devices are:

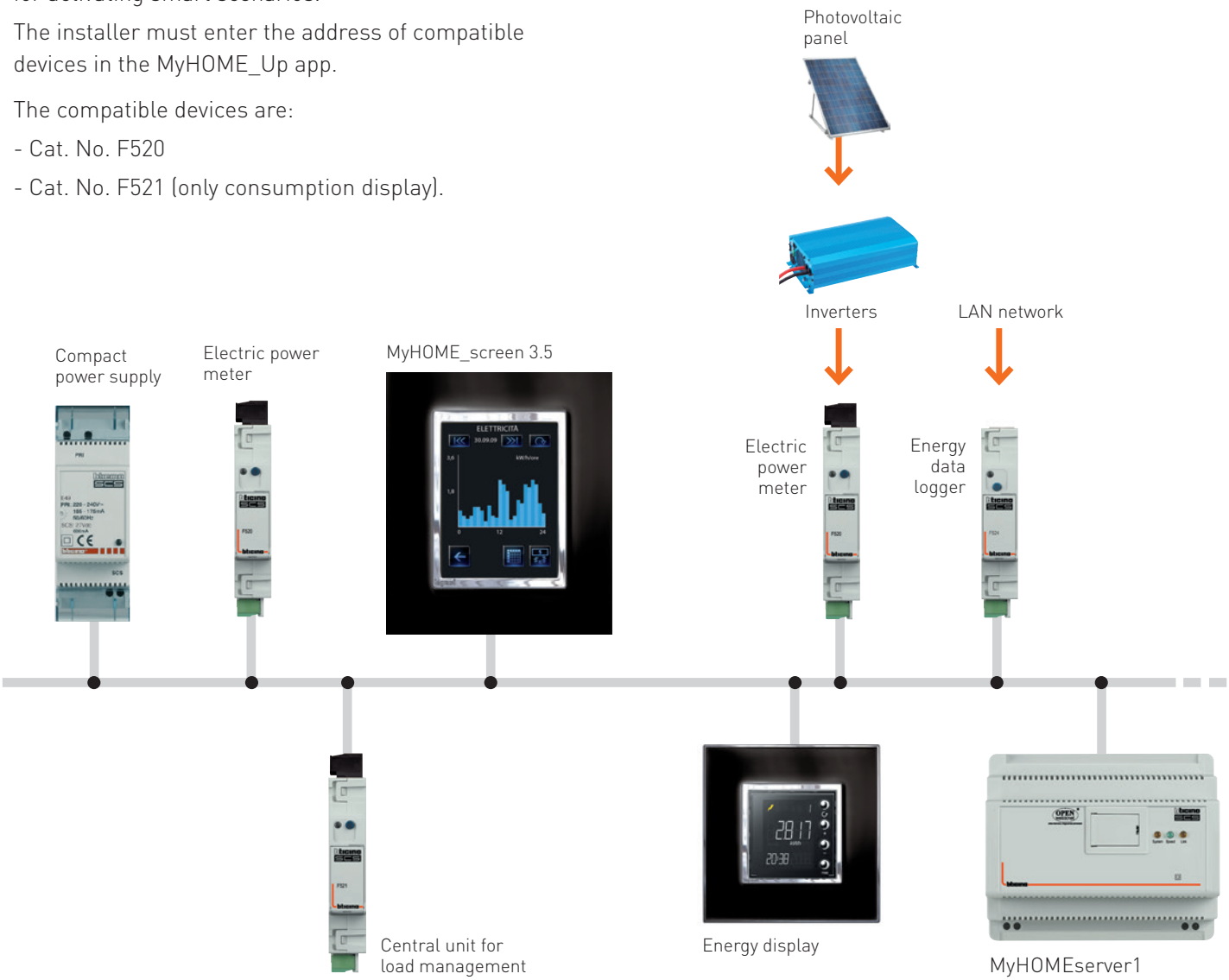
- Cat. No. F520
- Cat. No. F521 (only consumption display).

Installation rules

Apply the indications for the lighting control system.

Configure device in the system:

- with physical configuration or with MyHOME_Suite software.



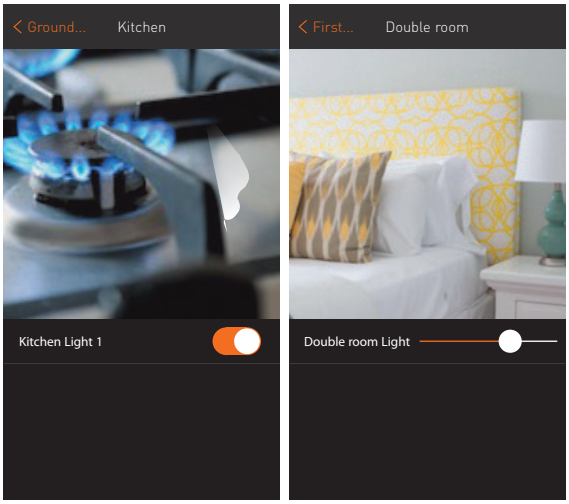
WHAT THE USER CAN MANAGE

The following pages outline functions which the user can manage with the MyHOME_Up app.

The installer presets all the system parameters when setting up the MyHOME_Up system, which are saved in the MyHomeserver1 device.

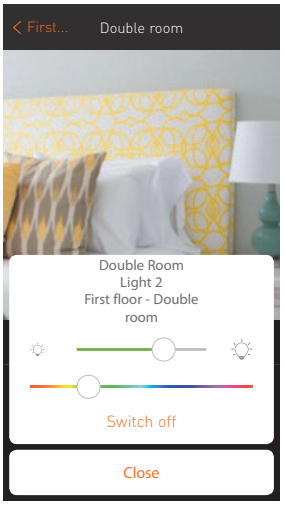
LIGHTING control

Users can switch a lamp on/off and adjust its brightness using the **light** object associated to the devices in the system.



Controlling **coloured LIGHTS** from third parties

Philips Hue, Lifx and DMX coloured LED lamps can be controlled with the **coloured light** object, allowing you to select the light colour by sliding left or right on the coloured band.



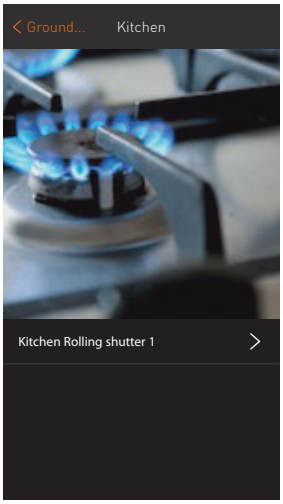
MyHOME_Up
WHAT THE USER CAN MANAGE

ROLLING SHUTTER automation

The status of a **rolling shutter** is adjusted using the rolling shutter object, by pressing the 'down' or 'up' icons.

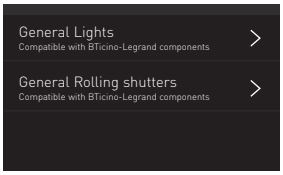
Just press 'stop' to stop the adjustment.

If a specific actuator has been used, the rolling shutter can be set to open to a preset position.



General **LIGHT AND ROLLING SHUTTER** controls

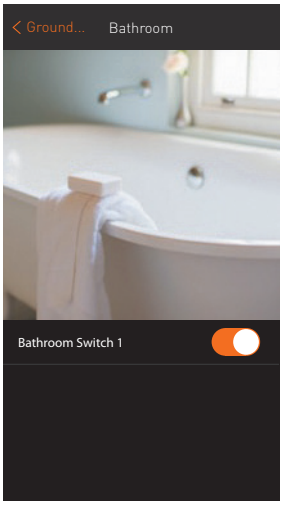
The app allows objects to be created to simultaneously activate (ON/OFF and UP/DOWN) for all the rolling shutters or all the lights.



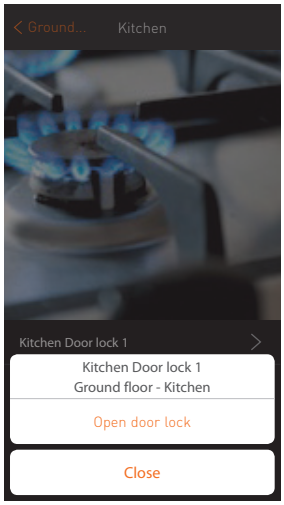
Automate **OTHER DEVICES**

Loads connected to a controlled socket or electric door locks can be managed with the objects 'controlled socket' and 'door lock' associated to the devices.

ACTIVATE THE LOAD CONNECTED TO THE CONTROLLED SOCKET

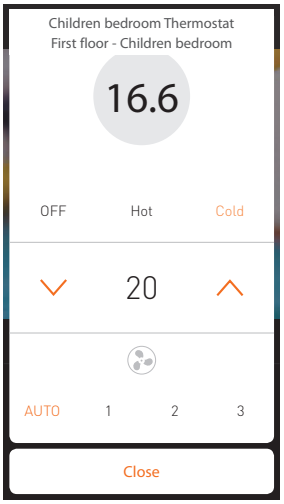


ACTIVATE AN ELECTRICAL DOOR LOCK



TEMPERATURE CONTROL

Use the **Thermostat** object in MyHOME_Up to manage zone temperatures. With this function, users can control the associated MyHOME_Up thermostat, display the current temperature and set a temperature for each zone.



ENERGY/CONSUMPTION display

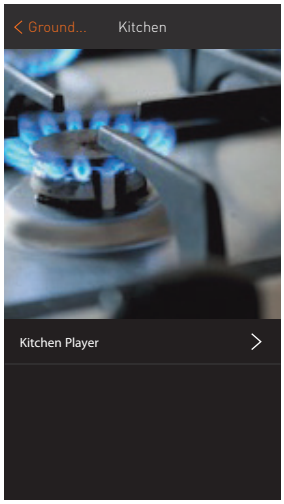
Using the **Energy** object, users can display the instantaneous energy consumption of a load (oven, washing machine, etc.) or the production of its solar power system.

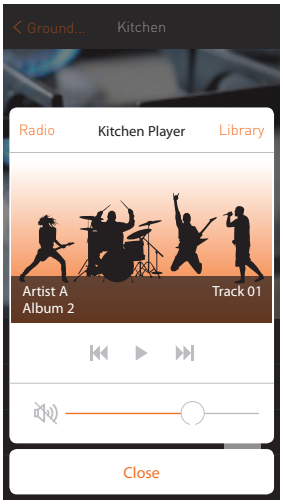
WHAT THE USER CAN MANAGE

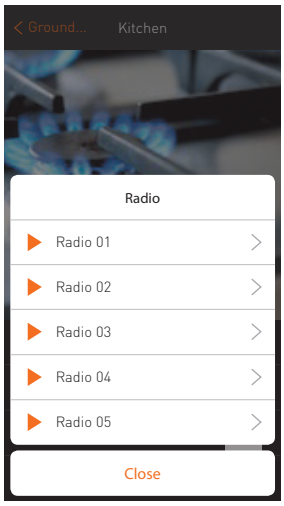
Nuvo multi-zone **AUDIO** distribution

The Nuvo audio sound system can be managed with the **Player** object to control each individual player.

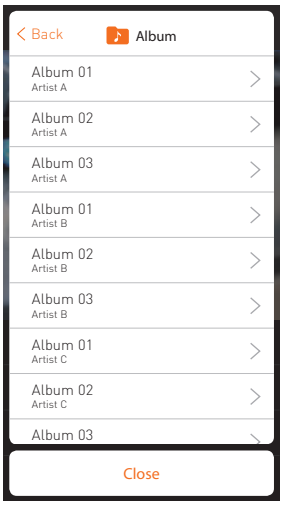
Using specific icons, the user can switch the player ON/OFF, adjust the audio volume and select a radio station or tune catalogued in libraries.

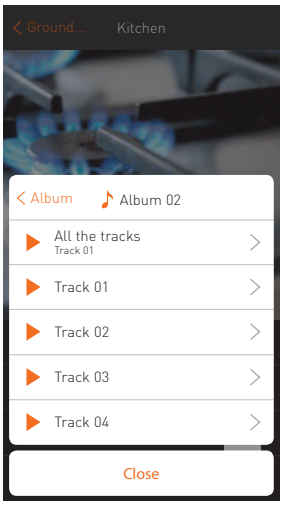






SELECTING A FAVOURITE RADIO

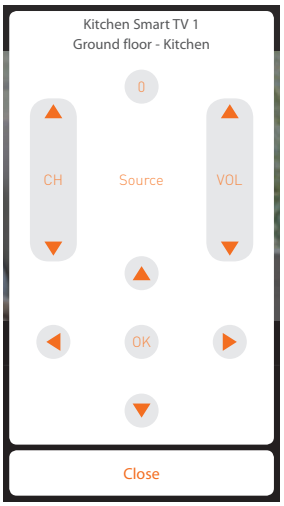




SELECTING A TUNE FROM ONE OF THE LIBRARY ALBUMS

SMART TV

Using a virtual remote control, users can control Samsung and LG Smart televisions to manage different TV functions – the same way as a real remote control.



PUSH BUTTONS WHICH MANAGE THE CHANNELS AND VOLUME

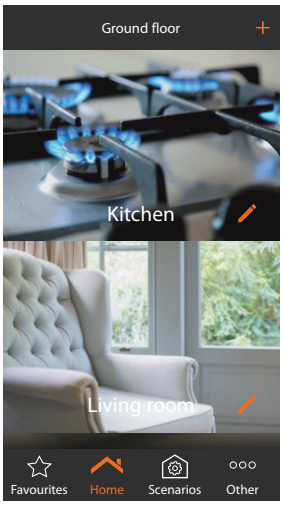
NOTE: this function is only compatible with Samsung 2014 SmartTV platform and LG Smart TV (Netcast 3.0 and Netcast 4.0 platforms released in 2012 and 2013).

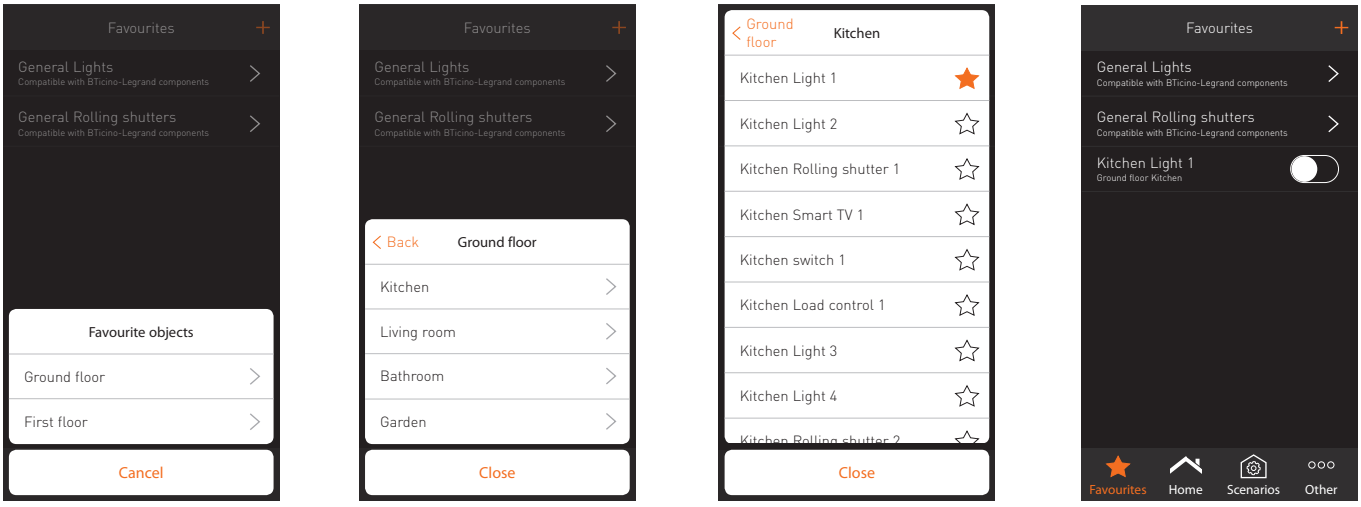
WHAT THE USER CAN MANAGE

FAVOURITE CONTROLS

Objects and everyday scenarios which the user wants to activate quickly can be grouped together in a MyHOME_Up page called 'Favourites'.

Here, users can easily select frequently used objects in various rooms of their home.





SELECTING THE CONTROL TO SWITCH ON THE KITCHEN LIGHT AND LOADING IT TO THE FAVOURITES PAGE.

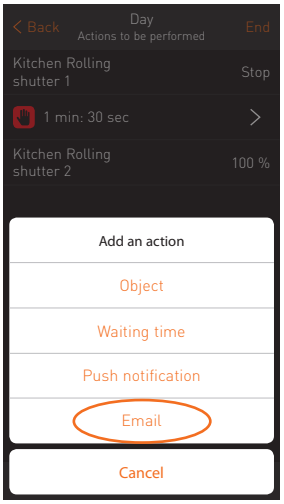
SCENES

Setting up a scene allows users to activate multiple devices at the same time, to suit their movements and lifestyle.

Within the MyHOME_Up app, users can create and activate scenes. This can be done manually by the user or automatically by setting particular conditions on the app, such as:

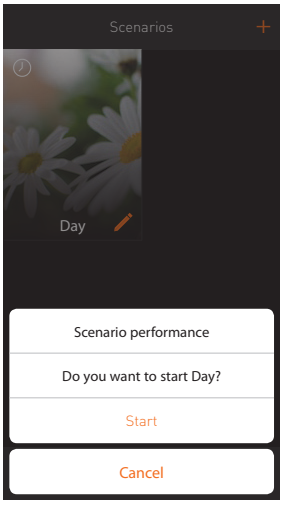
- activating a preset push button in the system
- changing the status of an object (e.g. raising a rolling shutter or switching a light on)
- weather conditions (for example when the wind is more than 30 km/h)
- how far away the user is from their home
- preset times and days (e.g. at 8:00 from Monday to Friday).

A message (mail and push notification) can be associated to each scene, warning the user that the devices have been activated.

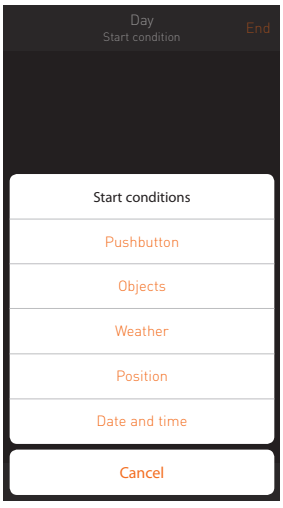


PUSH BUTTONS TO SELECT THE TYPE OF MESSAGE TO SEND AFTER THE SCENE IS PERFORMED

Example of scene activation



MANUAL ACTIVATION

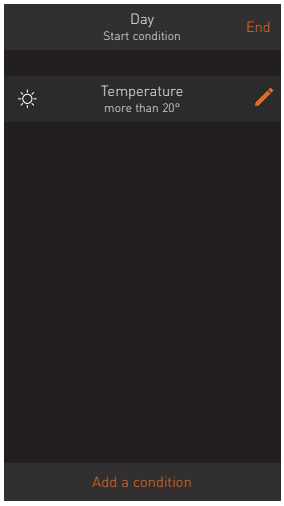


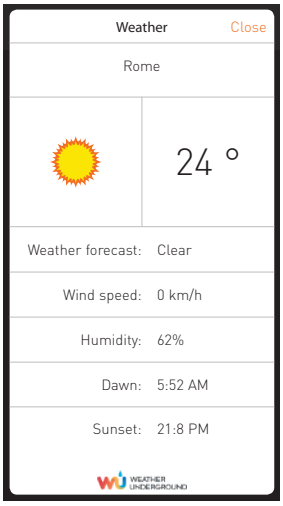
MENU TO SELECT THE SCENE STARTING CONDITIONS

MyHOME_Up
WHAT THE USER CAN MANAGE

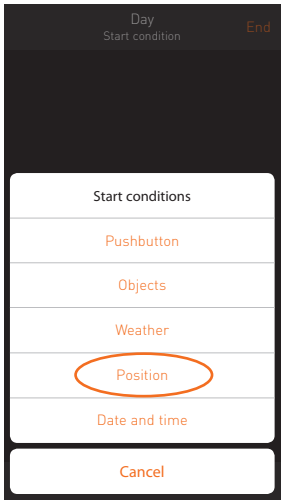
The created scenes can be:

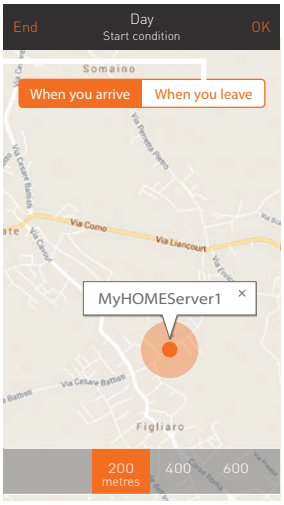
- modified by adding or removing objects and varying the order of activation
- cancelled
- copied, for example to create a second scene very similar to the first, without having to enter all the objects from scratch
- shared with other users who live in the home, who can manage home automation functions with their smartphones.





ACTIVATING THE BASIS OF WEATHER CONDITIONS





PUSH BUTTON TO ACTIVATE SCENES AS A FUNCTION OF THE DISTANCE FROM THE HOME

REMOTE CONTROL

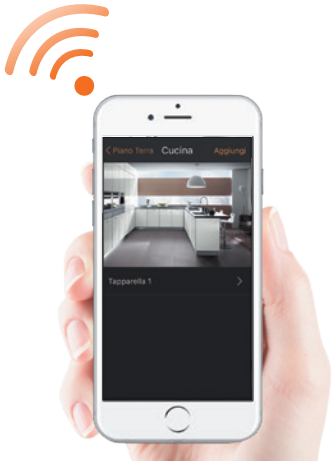
As well as local control of the MyHOME_Up system, home automation functions can also be controlled remotely using the MyHOME_app.

MYHOME_UP SYSTEM

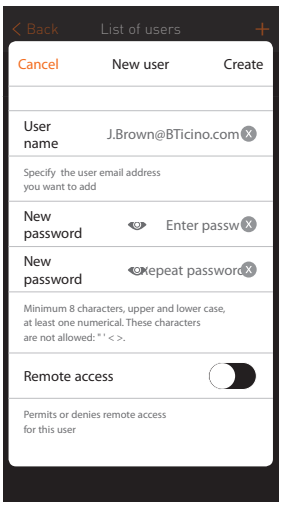
The MyHOME_Up system is safe to use, whether it is managed on a home Wi-Fi network or a cloud-based platform – users' passwords and credentials will be protected.

Using this solution does not require:

- home modem/router parameters to be modified
- A subscription to particular ADSL subscriptions or cloud services.



If the end user wants to control the system remotely, they must be enabled by the 'administrator' user (*) in a specific area of the MyHOME_Up app (see picture to the right).



CREATING AN END USER AND ENABLING REMOTE CONTROL OF THE SYSTEM.

Note (*): The 'administrator' user is the user who connects using the user code provided on the front of the MyHOMEserver1, whilst connected to the local Wi-Fi. This user creates the access credentials (username and password) for all of the end users.