Quicklink solutions

Home automation made easy with micromodules

hager

Micromodules: easy home automation solutions, no need for construction work

A simple concept: doing more with less. More everyday comfort, without the need for wiring or major works. Micromodules are an attractive solution for your renovation projects.

Micromodules are the first step towards a smarter home. Located in flush-mounted boxes behind the switches or connection boxes, they use radiofrequency to communicate and automatically steer various functions around the home, such as lighting and electric shutters.

Quick and easy to install

Dimmer and On/Off micromodules (2 all-load wires, no connection to neutral, with machine learning of load type) to be installed behind existing equipment in 40** or 50mm-deep boxes.

Universal controls

Each micromodule supports the connection of 2 controls for functions like: on/off, dimmer, up, down, scenario, etc. With automatic recognition of the connected switch or push button (for the on/off remote switch function).

Optimum performance

- Radiofrequency range: 30m indoors, through 2 concrete slabs, and as much as 100m in open field
- 230V products with repeat function to increase range
- **quick**link KNX 868 MHz offer

* varying LED loads / except CFL
** depending on existing installation and equipment

Functions

Remote switch

Up/down

Timer

Controls

Lighting

Dims any dimmable lamp except CFL

Roller blinds

And also

Living-room fan, automatic sprinkler…

Garage door, gate

Any dry contact

Scenario

Group control

Hager, the home automation specialist

For over 30 years, Hager group has been an expert in radiofrequency technology:

- inventor of the 100% radio alarm and TwinBand patented technology (secure transmissions)
- licensed seller of Dynapass and Optwin technologies (reliable transmission and digital audio quality) in radio intercoms.

Hager is also an established brand in the field of comfort and home automation, through its tebis wireless range, its easy mode, later complemented by its **quick**link mode. As a founding member of KNX, Hager established the technical specifications of KNX radio technology.

Advantages of Hager micromodules

High performance

quicklink KNX technology combines high performance and reliability.

Easy to pair

Simple pairing mode
1 colour = 1 function

Reliable

2 years warranty

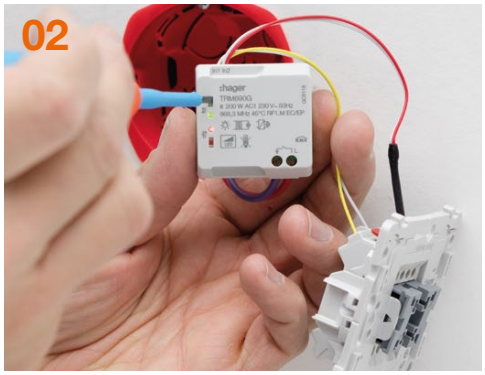
Simple

Wireless controls, easy to install without grooves or trunking.

Made in France

Configuring products in 3 steps

01 Once the switch or push button is connected to the transmitter, start the configuration by briefly pressing the cfg button and then pressing the connected switch or push button.



02 Select the function (by LED colour) on the receiver by pressing briefly several times on the fct button. Validate your choice by a long press > 2s until the LED blinks.

03 Exit configuration mode by briefly pressing the cfg button on the transmitter.

1 colour = 1 function

LED colour	On/Off receivers		Dimmer		Shutters / blinds	
	Function		Function		Function	
	on off	ON/OFF, remote switch*		ON / OFF, dimming +/-		Up/Stop TRM692G only
	on	ON	+	ON, dimming +		Up, stop
	off	OFF	−	OFF, dimming -		Down, stop
	1	Scenario 1	1	Scenario 1	1	Scenario 1
	2	Scenario 2	2	Scenario 2	2	Scenario 1
		Timer		Timer		Down / stop
		ON/OFF (switch)		ON/OFF (switch)		Shutter control (switch)
	on	Force ON **				Force up
	off	Force OFF **				Force down
		Clear		Clear		Clear

* function only available on TRMxxx product range
** function not available on TRC270F

Everyday comfort

Controlling the lights in the kitchen from the door and/or the countertop

Switch on the countertop light without interrupting your cooking to walk to the door. You can now prepare your meals in peace and quiet.

Advantages

- no unnecessary moving around,
- safely add a control point near the sink,
- protect the kitchen tiles.*

Want even more comfort?

- centralise the lighting controls,
- switch lights on/off from the living room,
- control terrace lights from the kitchen.

* by installing kallysta radio WKT30xR equipment.

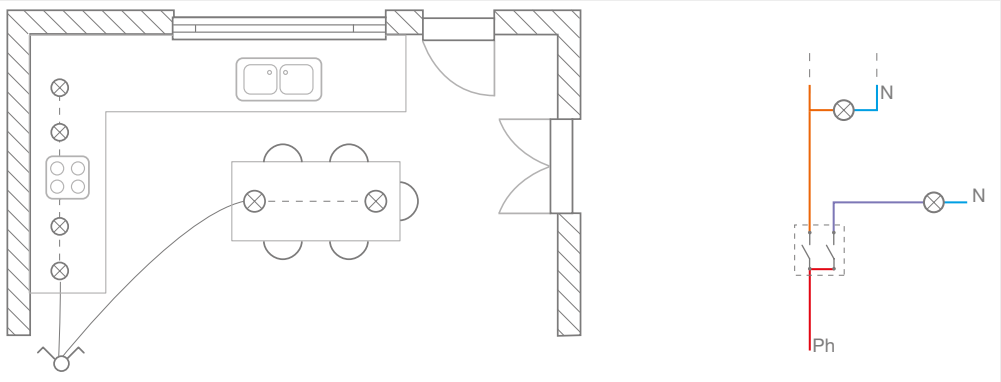
Creating multiway switching for the ceiling lamp and the countertop lamp in the kitchen

What you will need

- micromodule ref. TRM690G
- micromodule ref. TRM693G
- micromodule ref. TRM702A

Operation and wiring

Before
a double switch for the ceiling lamp and countertop lamp.



01
Install
the **TRM690G** micromodule behind the existing double switch:

- connect the countertop lamp return wire and the phase,
- connect the phase and the ceiling lamp return wire,
- connect input 1 and 2 to the double switch.

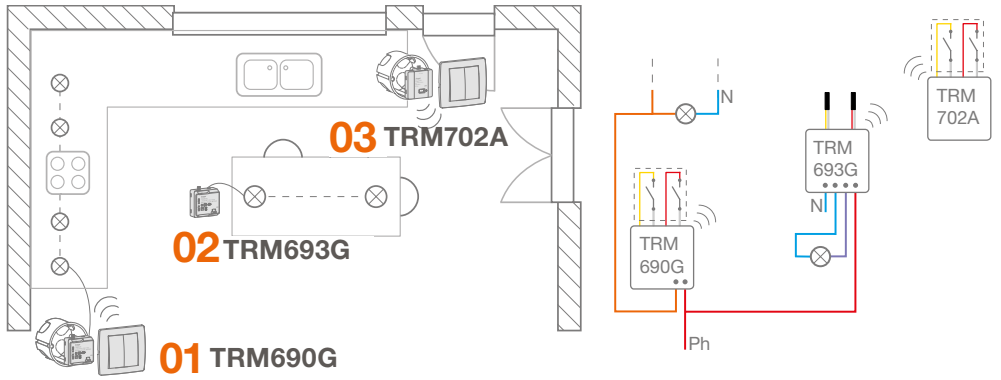
02
Install
the **TRM693G** micromodule in the centre point of the ceiling lamp:

- connect the neutral, the ceiling lamp return wire and the phase (from the shunt behind the double switch)

03
Install
the **TRM702A** micromodule behind the new double switch of your choice:

- beforehand, install a flush-mounted box
- connect input 1 and 2 to the double switch

After
multiway switching controlling the ceiling lamp and countertop lamp



Controlling bedroom lights from the headboard

No need to get up again to switch off the ceiling lamp that you'd forgotten… You can stay quietly in bed and manage everything from your headboard.

Advantages

- no longer having to get up to switch off the ceiling light,
- have as many control points as you wish,
- installation without ruining the decor,
- the position of the control points can be changed at will.*

Want even more comfort?

- activate the roller blinds from your bed,
- control the bedside lamps from the entrance of the room,
- control the lights and blinds of the children's bedrooms,
- create a scenario steering the lights and blinds in the bedroom.

* by installing kallysta radio WKT30xR equipment.

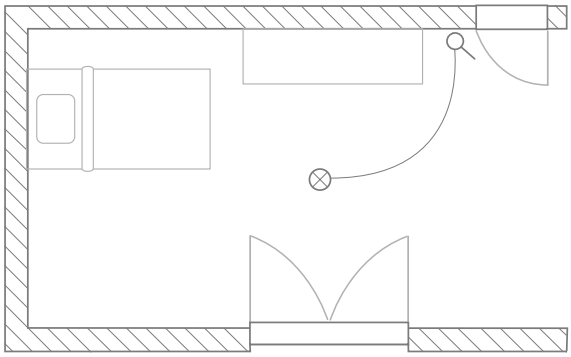
Adding a headboard control in the bedroom

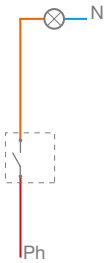
What you will need

- micromodule ref. TRM690G
- micromodule ref. TRM702A

Operation and wiring

Before
a simple switch near the bedroom door.





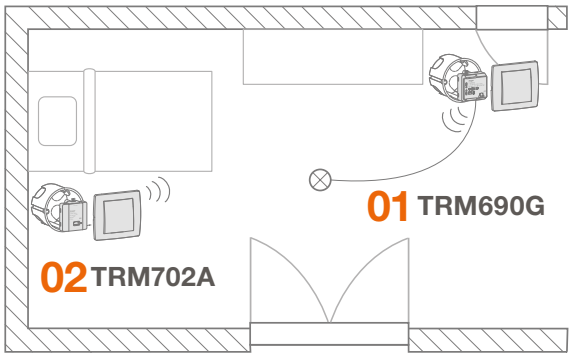
01
Install
the **TRM690G** micromodule behind the existing switch :

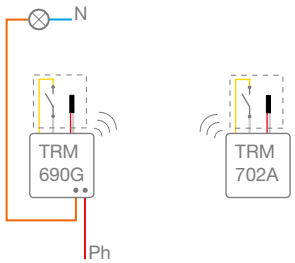
- connect the ceiling lamp return wire and the phase
- connect input 1 to the existing switch

02
Install
the **TRM702A** micromodule behind the new switch of your choice:

- beforehand, install a flush-mounted box
- connect input 1 to the switch

After
multiway switching between the door and the headboard





Dimming the lights in the dining room from several points

When you have guests,
it's always nice to create a cosy
and welcoming atmosphere.

Advantages

- choose the light levels in the room
- have as many control points as you wish
- installation without ruining the decor
- no need to lay wires
- position of control points can be changed at will

Want even more comfort?

- activate the roller blinds
- control all the lighting from the entrance
- create a scenario steering the lights and roller blinds in the dining room
- manage the lights and the blinds with the same remote control…

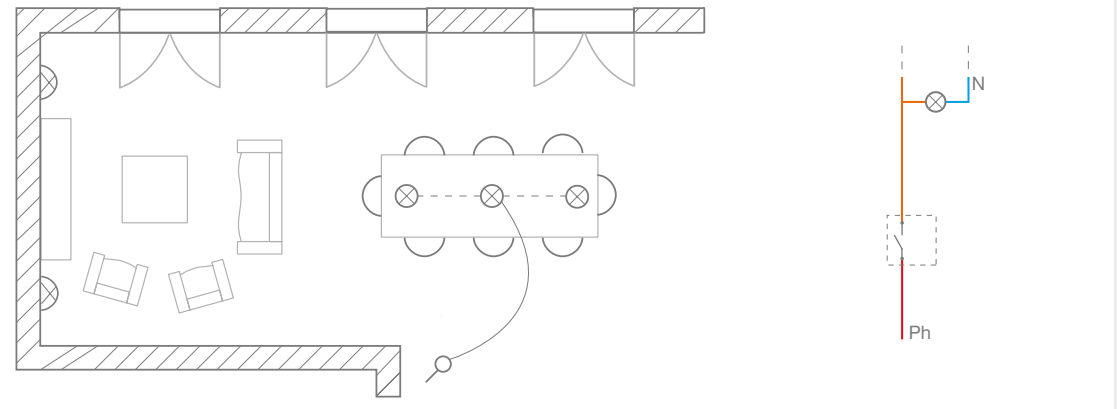
Adding a control switch to dim the lights

What you will need

- micromodule ref. TRM691G
- micromodule ref. TRM702A

Operation and wiring

Before
a simple switch by the entrance of the dining room.



01
Replace
the existing switch with a push button of your choice. The dimmer micromodule cannot be controlled by a switch.

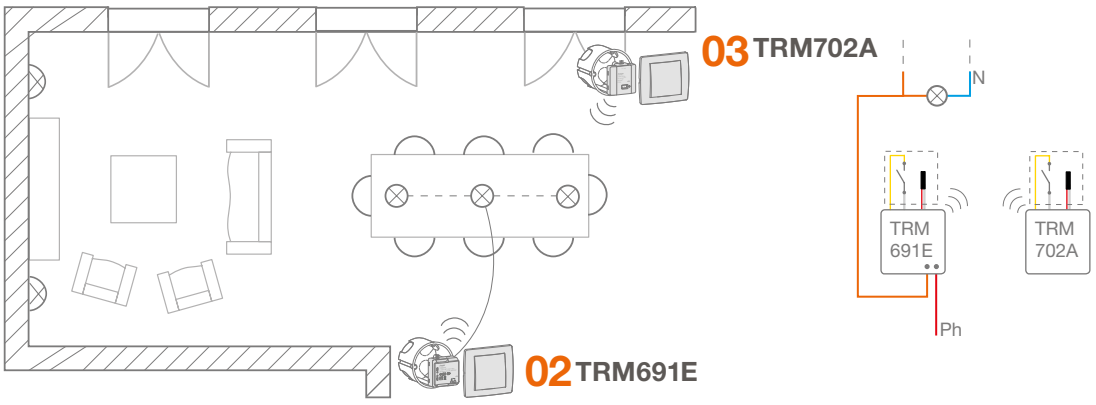
02
Install
the **TRM691** dimmer micromodule behind the push button :

- connect the ceiling lamp return wire and the phase
- connect input 1 to the push button

03
Install
the **TRM702A** micromodule behind the new push button of your choice:

- beforehand, install a flush-mounted box
- connect input 1 to the push button

After
multiway dimmer switching between the living room and the dining room.



Controlling all the living room's rolling shutters from a single switch

Isn't it a bother to individually close every shutter in the living room before going to bed?

Advantages

- no unnecessary moving around,
- adapt lighting conditions to what you are doing (reading, watching TV…),
- keep the option of individually operating each shutter.

Want even more comfort?

- add a remote control for centralised and individual control
- centralise all the rolling shutters of one zone (floor, group of rooms…)
- create a scenario steering the lights and shutters in the living room


POOR PEOPLE
xy
POETRY

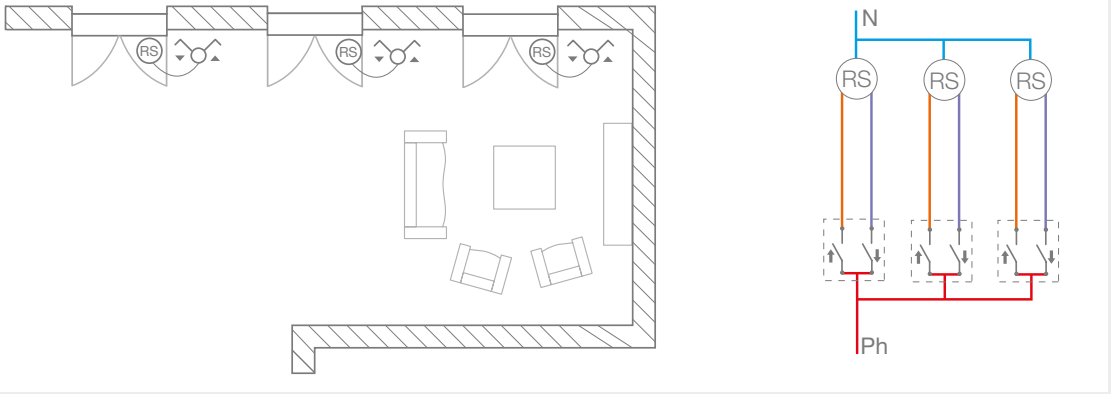
Adding a centralised control to manage your rolling shutters

What you will need

- micromodule ref. TRM692G
- micromodule ref. TRM702A

Operation and wiring

Before
3 individual commands for the rolling shutters.



01

Install
the **TRM692G** micromodules behind each individual rolling shutter control :

- connect the phase, the neutral* and the ↑ / ↓
- connect input 1 (up) and input 2 (down) to the existing double switch

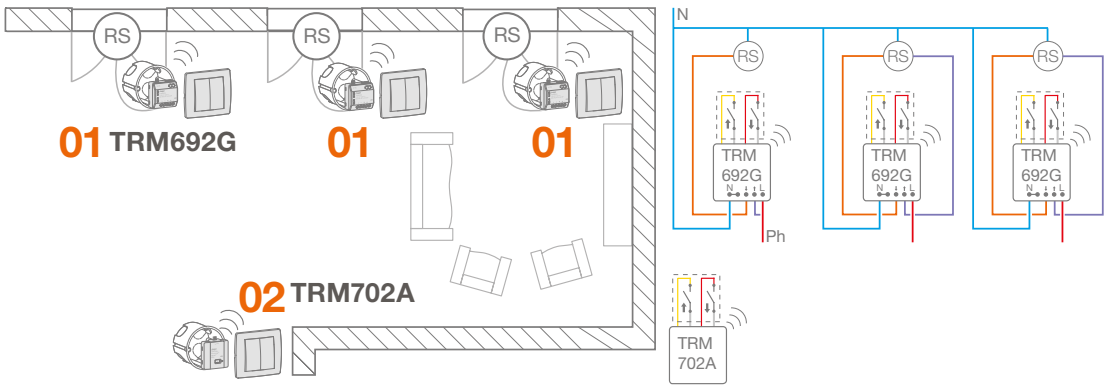
*To avoid running the neutral behind the equipment, it is possible to install the micromodule in the shutter box or in the distribution box that is often right next to it. The inputs can be connected up to 10m.

02

Install
the TRM702A micromodule behind the new double switch of your choice :

- beforehand, install a flush-mounted box
- connect input 1 to the push button

After
3 individual controls and 1 centralised control for the rolling shutters.



Raising the awning and switching on the outdoor lights simultaneously

Don’t miss a moment with your friends by going to wind in the awning and switch on the lights…
Manage these functions from the same remote control.

Advantages

- have a control outside (remote control),
- adjust the awning without moving.

Want even more comfort?

- add a water-resistant control point outside
- create a scenario to steer the outdoor lights and the awning
- manage the automatic sprinkler

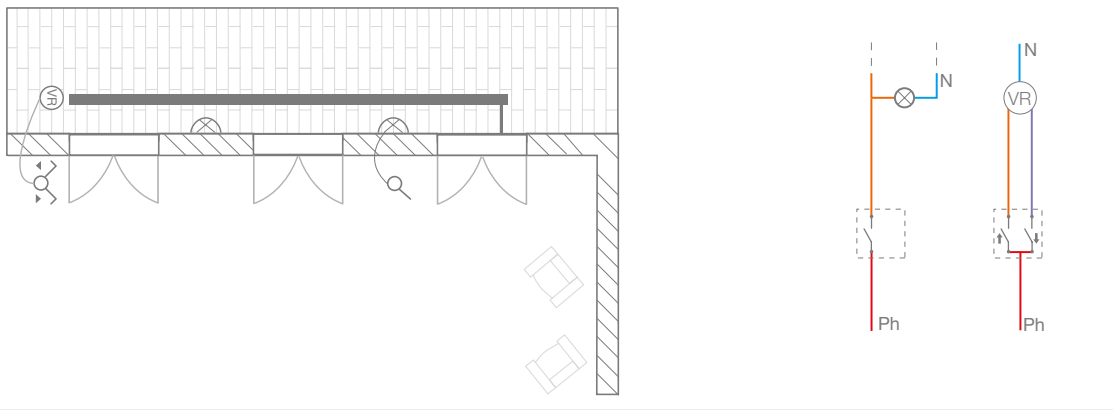
Managing the awning and the outdoor lights from a single remote control

What you will need

- 1 micromodule ref. TRM690G
- 1 micromodule ref. TRM692G
- 1 remote control ref. TU444

Operation and wiring

Before
One switch for outdoor lights and 1 control for the awning.



01
Install
a **TRM690G** micromodule behind the existing switch:

- connect the phase and the terrace lamp return wire
- connect input 1 to the existing switch

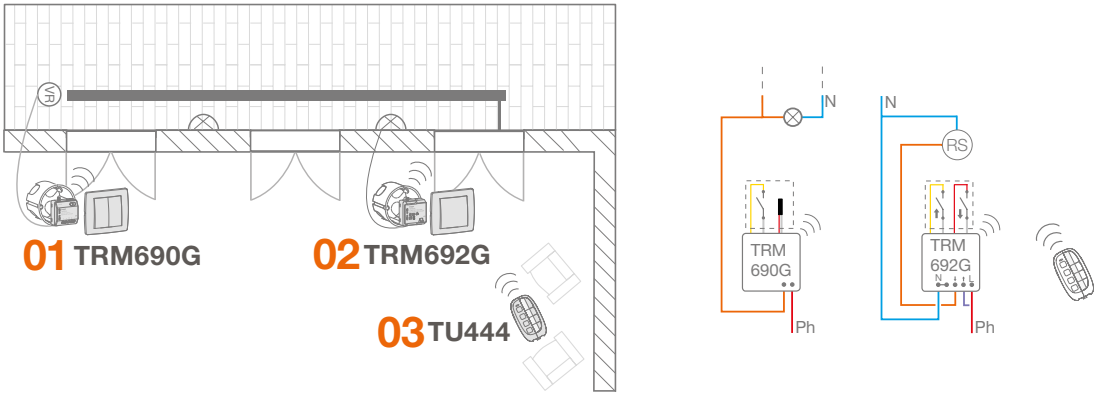
02
Install
a **TRM692G** micromodule behind the existing awning control:

- connect the phase, the neutral* and the ↑ / ↓
- connect input 1 (up) and 2 (down) to the existing double switch

*To avoid running the neutral behind the equipment, it is possible to install the micromodule in the shutter box or in the distribution box that is often right next to it. The inputs can be connected up to 5m.

03
Pair
the push buttons of remote control **TU444** with **TRM690G** and **TRM692G** as shown opposite

After
a double control for outside lights and 1 double control for the awning (on the remote control and indoors).



Input	Output		
	Output to be paired	Choice of function	Colour code
Push button 1 on remote control - raise awning	TRM692G	up, stop	
Push button 2 on remote control - lower awning	TRM692G	down, stop	
Push button 3 on remote control - outdoor lights	TRM690G	on off ON/OFF (remote switch)	
Push button 4 on remote control - can be freely configured	Push button 4 is available to control a scenario, for example		

Input 1 of TRM690G is pre-paired to receive a switch or push button, and to control the local output in remote switch mode.

The inputs of TRM692G are pre-paired to function with switches (In1 = up, In2 = down) and control the connected shutter.

Controlling the garage door and lights without getting out of the car

An early morning start under the autumn rain. Don’t feel like getting out of the car to switch off the light you left on in the garage? With our wireless solutions, control the lights and the garage door with the same remote control!

Advantages

- save time getting in and out of the garage,
- only one remote control for 2 functions.

Want even more comfort?

- supplement your installation with a motion sensor (TRE500) to link with outdoor lighting,
- set a timer on the lights so you won’t forget them,
- create a different scenario for arrival and departure,
- centralise the front gate control on the same remote.


140
160
180
200
1
2
3
4
5
6

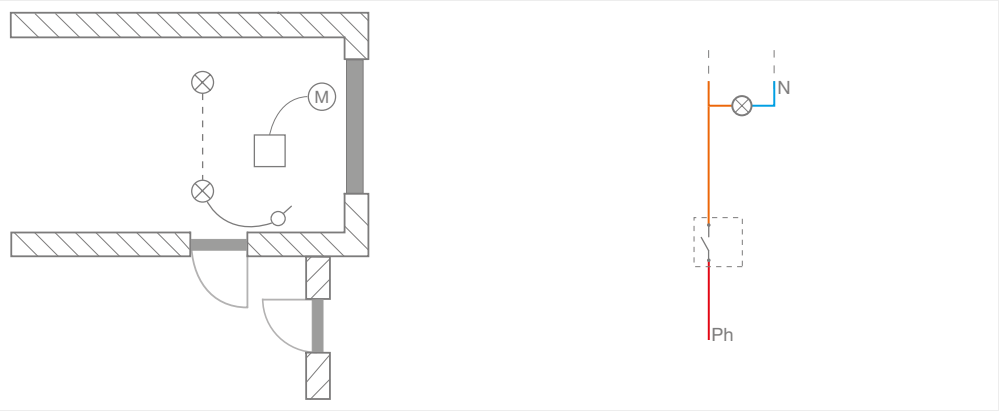
Combining light and garage door controls in one remote control

What you will need

- 1 micromodule ref. TRM690G
- 1 micromodule ref. TRM694G
- 1 remote control ref. TU402

Operation and wiring

Before
one remote control for the garage door and a simple switch for the lights.



01
Install
a **TRM690G*** micromodule behind the existing switch:

- connect the phase and the garage lamp return wire
- connect input 1 to the existing switch

*if fluorescent tubes are installed, or if there is water-resistant surface-mounted equipment, install a TRM693G at lamp level. In that case, connect a TRM702A transmitter behind the existing switch.

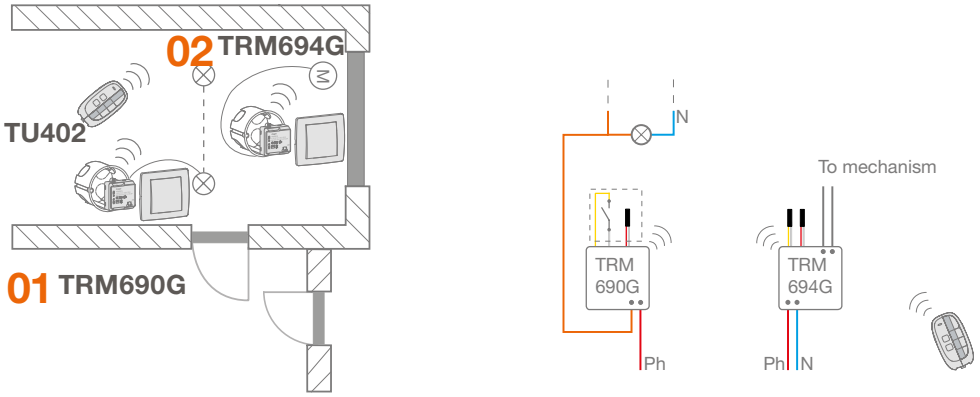
02
Interface
the garage door mechanism with a **TRM694G** micromodule:

- connect the phase and the neutral
- connect the potential-free contact to the mechanism

03
Pair
the push buttons on the **TU402** remote control with the **TRM690G**** and the **TRM694G** as shown below.

** or TRM693G (in that case, pair input 1 of TRM702A with TRM693G).

After
one remote control to manage everything, and still the option of operating the lights locally.



Input	Output		
	Output to be paired	Choice of function	Colour code
Push button 1 on remote control - garage lights	TRM690G	on off ON/OFF (Remote switch)	
Push button 2 on remote control - garage door	TRM694G	Timer*	

Input 1 of the TRM690G is pre-paired to connect to a switch or push button, to control the local output in remote switch mode.

*Pressing the push button will close the potential-free contact connected to the automatic system for 400ms. This duration can be adjusted (see operating manual). If switch mode ⎓ is selected, impulse duration will be the same as duration of pressure on remote control push button.

Adapting your electrical installation to suit your current needs

Theo, 15, would like a room that matches his personality. He would like a new desk, and a corner where he and his friends can play video games. With our quicklink solutions, the setup can adapt to suit his changing needs.

Advantages

- divide the lighting throughout the different areas of the room,
- limit the risk of falling over while getting up to switch on the ceiling lamp,
- no need for major works that ruin the decor,
- easily change the location of control points.

Want even more comfort?

- create a master light switch at the entrance of the room,
- create a scenario steering the lighting and the rolling shutters.

*by installing kallysta quicklink WKT30xR equipment.


BE HAPPY
JOHN STEINBECK
STEINBECK

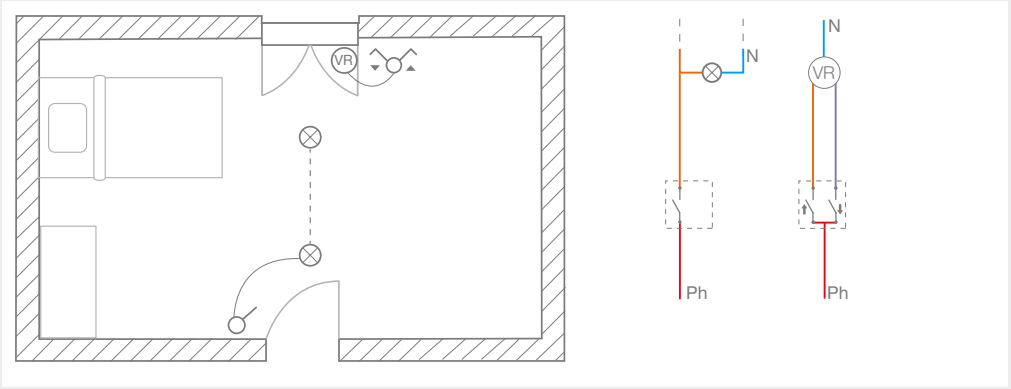
Adding control points wherever you like

What you will need

- micromodule ref. TRM691E
- micromodule ref. TRM692G
- micromodule ref. TRM702A
- remote control ref. TU444

Operation and wiring

Before
a simple switch for the bedroom lights and a control for the rolling shutters.



01
Replace
the existing switch with a push button of your choice. The dimmer micromodule cannot be controlled by a switch.

02
Install
the **TRM691E** dimmer micromodule behind the push button:

- connect the ceiling lamp return wire and the phase
- connect input 1 to the push button

03
Install
the **TRM702A** micromodule behind the new double push button*:

- beforehand, install a flush-mounted box near the headboard
- connect input 1 to the first push button
- connect input 2 to the second push button

*the second push button will be used as a master switch

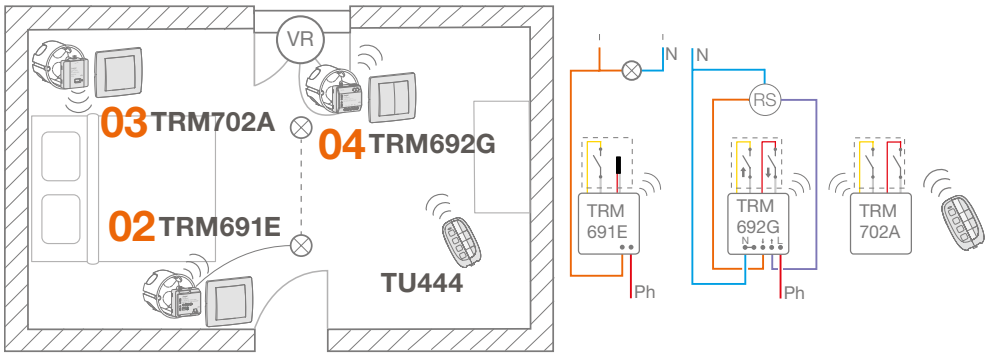
04
Install
the **TRM692G** micromodule behind the individual control of the rolling shutters:

- connect the phase, the neutral* and the ↑ / ↓
- connect input 1 (up) and input 2 (down) to the existing double switch

*to avoid running the neutral behind the equipment, it is possible to install the micromodule in the shutter box or in the distribution box that is often right next to it. The inputs can be connected up to 5m.

05
Pair
the push buttons of the TU444 remote control with the second push button by the headboard, as shown below.

After
dimmable lighting, a rolling shutter control, a socket switch, a master switch and a multi-purpose remote control



Input	Output		
	Output to be paired	Choice of function	Colour code
Push button 1 on remote control - roller blinds up	TRM692G	up, stop	
Push button 2 on remote control - roller blinds down	TRM692G	down, stop	
Push button 3 on remote control - ceiling light dimmer	TRM691E	ON/OFF dimmer +/-	
Push button 4 on remote control - TV socket switch	TRC270F	on off ON/OFF (Remote switch)	
Push button on TRM702A Input2 from kit - master switch	TRM691E TRC270F	off OFF dimmer - off OFF	

The inputs of TRM692G are pre-paired to work with switches (In1 = up, In2 = down) and control the connected rolling shutter.

Managing the lighting in a hallway and/or a stairwell

No need to cross the hall
to switch off the lamp…

Advantages

- avoid unnecessary moving around to adjust the lighting
- make the stairs safer by adding control points
- no need for major works that ruin the decor,
  no need to alter the electrical switchboard

Want even more comfort?

- centralise all the lighting
- switch stairwell lights on/off from
  the living room and/or with a remote control

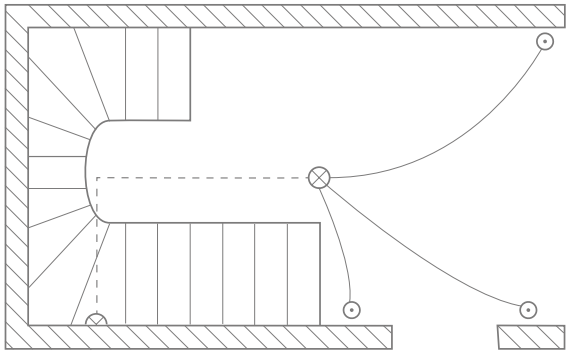
Adding a control point on a remote switch or an existing timer

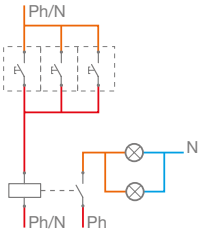
What you will need

- 1 micromodule ref. TRM600
- 1 micromodule ref. TRM702A

Operation and wiring

Before
3 control points in the stairwell and the hallway.





01
Install
a **TRM600** micromodule behind one of the existing push buttons:

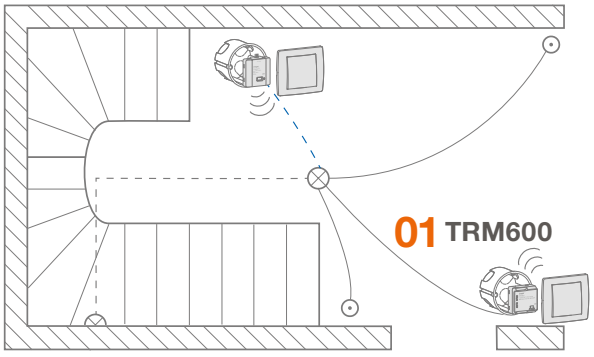
- connect the contact in parallel on the push button

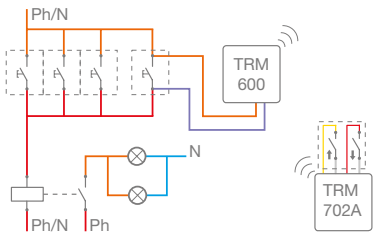
02
Install
a **TRM702A** micromodule behind the push button of your choice:

- beforehand, install a flush-mounted box in the desired location
- connect input 1 to the push button

03
Install
the new push button as shown below.

After
a 4th control point has been added.





Input	Output		
	Output to be paired	Output to be paired	Colour code
Push button on Input 1 of TRM702A - stairwell lights	TRM600*	Timer*	

*Pressing the push button will close the contact connected to the existing push button for a duration of 200ms. This will activate the existing remote switch.

Micromodules
quicklink solutions for lighting and electric shutters

Robust and reliable, Hager's micromodules are compatible with all devices on the market. They enable you to control lighting and electric shutters remotely, and to add wireless control points, with no need for works or damage to your interior decoration.

Characteristics
- IP20
- Operating temperature: -10°C to +50°C
- Bidirectional
- Frequency: 868.3 MHz radio KNX
- Range: 30m indoors (inc. through 2 slabs of concrete) and 100 in open field
- Possible to connect switch or push button
- No outside antenna
- Multiple control inputs (lighting, rolling shutters, scenarios, etc.)
- All micromudules feature 2 inputs for potential-free contacts
- To be installed in 40mm* or 50mm flush-mounted boxes or in distribution boxes, depending on the set-up and equipment

Connection capacity :
- 0,5 à 1,5 mm²

⚠ Regarding unused inputs: take care not cut the wires, and do not remove the insulation sleeves, as they function as a radio antenna.

Linked to coviva, they enable remote and local control by smartphone or tablet.

quicklink enables toolless configuration, by using the buttons found on the device.

2 years warranty

TRM702A

2 input micromodule, battery powered

- lithium battery powered CR 2430 3 V (battery included)
- LED indicator light
- 2 inputs for potential-free contacts

All types of controls
- up / down
- on / off
- scenario
- …

Description	Dimensions H x W x D (mm)	Cat. Ref.
2 input micromodule, battery powered	41 x 39,5 x 11	**TRM702A**

TRM694G

Multipurpose micromodule

For controlling:
- garage doors, gates
- push controlled mechanism
- door release
- SELV output

- 1 × 4A potential-free output
- 2 inputs for potential-free contacts

Description	Dimensions H x W x D (mm)	Cat. Ref.
Multipurpose micromodule	40 x 40 x 20	**TRM694G**

TRM600

Micromodule for remote switches and timers

Enables a wireless control point to be added to an existing remote switch or timer circuit.
Generates a pulse contact lasting 200 ms.
Connects behind a push-button in the existing circuit.

Description	Dimensions H x W x D (mm)	Cat. Ref.
Micromodule for remote switches and timers	40 x 40 x 18	**TRM600**

Automatic recognition of control type
(switch or push button)
Available for inputs paired to On/Off remote switches

Lighting functions
- On/Off (remote switch)
- On
- Off
- On/Off (switch)
- On/Off dimming
- ON dimming '+'
- OFF, dimming '-'
- Timer
- Scenario

Repeater function
All products powered by mains are repeaters, boosting the signal.

TRM693G
This module is suitable for all kinds of lighting loads, including CFL and LED.

Rolling shutter functions
- Up
- Down
- Scenario
- Up / down (switch)
- Force up
- Force down
- Repeat

TRM690G

TRM690G

TRM693G

Micromodules for controlling lighting
Incandescent, LV halogen, VLV halogen, dimmable LED (3 to 50W only), and 2 inputs for potential-free contacts. Equipped with zero-crossing technology to ensure greater product longevity.

Description	Dimensions H x W x D (mm)	Cat. Ref.
On / Off without neutral wire (2 wires) 200 W 230 V	40 x 40 x 18	**TRM690G**
On / Off dimmer without neutral wire (2 wires) 200 W	40 x 40 x 18	**TRM691E**
On / Off with neutral wire (2 wires) 3 A 230 V	40 x 40 x 20	**TRM693G**

TRM692G

Micromodule for controlling roller blinds / shutters / awnings
- 1 × 3A 230V output for 1 230 V motor
- 2 inputs for potential-free contacts

Description	Dimensions H x W x D (mm)	Cat. Ref.
Micromodule for roller blinds, 4 wires (↑,↓, Ph, N)	40 x 40 x 20	**TRM692G**

quicklink wireless transmitters enable you to easily add or increase control points without the need for messy wiring works. The TU444 remote control enables steering of a quicklink system and/or a wireless/mixed alarm system.

Characteristics
- unidirectional transmitters in use and bidirectional in configuration
- frequency: 868.3 MHz wireless KNX
- low battery indication
- average battery lifespan: 5 years
- range: 30 m indoors (including through 2 concrete slabs), 100 m minimum in open field

quicklink enables toolless configuration, by using the buttons found on the device.

2 years warranty

TU444

TU418

Remote controls
CR 2430 – 3V battery included

Description	Cat. Ref.
2 buttons	**TU402**
4 buttons	**TU444**
6 buttons	**TU406**
6 buttons - 18 channels	**TU418**

TRC301B

Wireless magnetic opening contact sensor
2 × LR03 batteries supplied

Description	Cat. Ref.
Wireless magnetic opening contact sensor	**TRC301B**

D8924

Cabled opening contact sensor
To be connected with TRC301B NF contact (magnetic)

Description	Colour	Cat. Ref.
- surface mounted terminal block	white	**D8924**
- universally protected - 1m cable	white	**D8931**

TRC321B

Wireless light sensor with suction
For controlling shutters
(sun protection, twilight switch function)
- suction cell
- fibre-optic
- 1.5 m cable

Description		Cat. Ref.
Wireless light sensor with suction	white	**TRC321B**

quicklink wall sensor
Can be affixed in an area without mains and controlled by a 230V wireless receptor with resistive 10A dry contact.

Characteristics
- available in battery or solar version
- detection angle: 220°
- IP55 / IK04
- unidirectional transmitters in use and bidirectional in configuration
- frequency: 868.3 MHz wireless KNX
- range: 100m in open field
- 3 × 1.5V batteries included

2 years warranty

TRE500

Wall-mounted motion sensor

Description	Colour	Cat. Ref.
Battery-operated transmitter pack + 1 10A contact receiver	white	**TRE700**
battery transmitter	white	**TRE500**
	charcoal	**TRE501**
solar transmitter	white	**TRE510**
solar transmitter	charcoal	**TRE511**

TRE302

IP55 switches
Possibility of connecting remote potential-free contacts

Description	Cat. Ref.
quicklink 2 input mural IP55 push button	**TRE302**

KNX wireless receivers act as power interfaces for controlling electronic receivers.

Characteristics
- bi-directional receivers
- frequency: 868.3 MHz wireless KNX

Lighting functions
- ON/OFF (remote switch)
- ON
- OFF
- ON/OFF (switch)
- timer
- force ON
- force OFF

Rolling shutter functions
- available in battery or solar version
- detection angle: 220°
- IP55 / IK04
- unidirectional transmitters in use and bidirectional in configuration
- frequency: 868.3 MHz wireless KNX
- range: 100 m in open field
- 3 × 1.5V batteries provided

TRB201

ON/OFF receiver, to be flush-mounted

Description	Cat. Ref.
- 1 ON/OFF output 16A / 230V AC1	**TRB201**

TRE600

LED projector with motion sensor
60W LED lamp (300W halogen equivalent)
- 220° / 360° detection angle
- energy class A
- 5700 K
- 3400 lumen

Description	Colour	Cat. Ref.
LED projector with motion sensor	white	**TRE600**

TRC270F

KNX wireless socket switch
- 16A / 230V AC1
- Local control on the socket

Description	Cat. Ref.
KNX wireless socket switch	**TRC270F**

TRE202

ON/OFF surface-mounted IP55 receivers

Description	Dimensions H x W x D (mm)	Cat. Ref.
1 × 10A / 230V AC1 output (potential-free)	150 x 85 x 35	**TRE201**
2 × 10A / 230V AC1 outputs (potential-free)	150 x 85 x 35	**TRE202**

TRE221

IP55 surface-mounted rolling shutter/blind receiver
- 1 roller blind up/down output
- 4 wires (↑, ↑, Ph, N) 10A / 230V AC1

Description	Dimensions H x W x D (mm)	Cat. Ref.
Wireless KNX IP55 surface-mounted rolling shutter/blind receiver	150 x 85 x 35	**TRE221**

TRE400

1 input + 1 output IP55 surface-mounted receiver
- 1 input 1 potential-free contact
- 1 × 10 A / 230 V AC1 output (potential-free)

Description	Cat. Ref.
1 input + 1 output IP55 surface-mounted wireless KNX receiver	**TRE400**

quicklink push buttons
They enable you to easily add or increase control points without the need for messy wiring works.

They are extra flat and can be glued or screwed directly to the wall.

Caps
Available in 4 colours: glacier white, carbon, dune, and titanium.

kallysta plates
- 43 decorative plates available
- compatible with horizontal and vertical multi-device mounts

WKT306R

KNX wireless push button mechanism, battery-operated
Included:
- 1 protective cover
- 1 double-sided sticker
- 1 CR 2430 – 3V battery

LED indicator light

Description	Cat. Ref.
2 buttons 2 inputs	**WKT302R**
4 buttons 4 inputs	**WKT304R**
6 buttons 6 inputs	**WKT306R**
spare battery	**TG401**

WKT990C

WKT990T

Set of 5 label holders
Caution: do not use label holder with infrared cell bus push buttons

Description	Cat. Ref.
glacier white	**WKT990B**
carbon	**WKT990C**
dune	**WKT990D**
titanium	**WKT990T**

WKT942B

WKT952B

kallysta printed plates, 2 buttons
- for dimmers
- for rolling shutters

Description	Cat. Ref. Rolling shutters	Cat. Ref. Dimmer
glacier white	**WKT942B**	**WKT952B**
carbon	**WKT942C**	**WKT952C**
dune	**WKT942D**	**WKT952D**
titanium	**WKT942T**	**WKT952T**

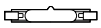
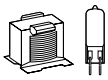
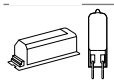
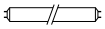
WKT942B

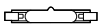
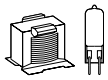
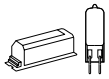
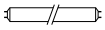
WKT952B

Push button caps
Labels included
Dimensions: 57 x 57mm

Description	Cat. Ref. 2 buttons	Cat. Ref. 4 buttons	Cat. Ref. 6 buttons
glacier white	**WKT902B**	**WKT904B**	**WKT906B**
carbon	**WKT902C**	**WKT904C**	**WKT906C**
dune	**WKT902D**	**WKT904D**	**WKT906D**
titanium	**WKT902T**	**WKT904T**	**WKT906T**

Compatible load characteristics

	Types of load	TRM690G / TRM691E		TRM693G	
	Incandescent lamps	230 V v	10 ... 200 W	230 V v	500 W
	Halogen lamps	230 V v	10 ... 200 W	230 V v	500 W
	VLV halogen lamps (12 or 24V) with ferromagnetic transformers	12 V DC 24 V DC	10 ... 175 VA	230 V v	250 VA
	VLV halogen lamps (12 or 24V) with electronic transformers	12 V DC 24 V DC	10 ... 175 VA	230 V v	250 VA
	Uncompensated fluorescent lamps	-	-	230 V v	150 W
	Fluorescent lamps with electronic ballast		-		150 W
LED	LEDs	-	-	230 V v	150 W
LED ⌀	Dimmable LEDs	LED 230 V	3 ... 50 W 10 lamps max.	-	-
	Inductive loads	230 V v	-	230 V v	3 A cos ϕ 0,6

TRM694G		Types of load	
AC1	12 - 24 V v/ s 230 V	Resistive loads	4 A
DC	12 - 24 V	Inductive loads	4 A - 12 V s 2 A - 24 V s
AC cos ↑ 0.6	12 - 230 V v	Inductive loads	4 A
	230 V v	Incandescent lamps	600 W
	230 V v	Halogen lamps	600 W
	12 V DC 24 V DC	VLV halogen lamps (12 or 24V) with ferromagnetic transformers	600 VA
	12 V DC 24V DC	VLV halogen lamps (12 or 24V) with electronic transformers	600 VA
	230 V v	Uncompensated fluorescent lamps	40 W
	230 V v	Compact fluorescent lamps	40 W
LED	230 V v	LEDs	40 W
LED ⌀	230 V v	Dimmable LEDs	40 W

Notes

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