Life Is On | Schneider Electric

Unica

Catalogue 2016

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Life Is On

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Unica, elegant and refined

Looking for a unique partner that matches your way of life and your personality? Energy saving, safety and protection, comfort, entertainment and communication; new Unica cares for you.

Designed excellence

Unica products are manufactured according to the highest design specifications. The range provides a large variety of features and functions – all of which you can expect from a high-end Schneider Electric's range.
You can now choose them to fit with your own taste and style. And you can be as creative as you are with the decoration of your living room or the design of your hotel room.

Style and sophistication

Unica has an attractive design and a variety of colours, shapes and materials that cover every end-user requirements.
Strong personality, sober, stylish and ready to switch your home/room into a warm, personal and comfortable place.

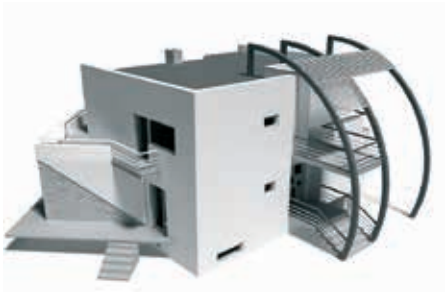
Unica Class

Unica Top

Unica Plus

Solutions for comfort, safety and energy-saving

Imagine exploring the resources of Unica in every detail, in order to enhance the refined and elegant atmosphere of your home. Wouldn't a decorator's bliss be to find that with the numerous shapes and colours would also be included the most imaginative functions for cerebral and sensous comfort? And – at the tip of your finger, getting energy-saving.



Wireless push-button for scenarios

Remote control

Wake-up clock

Remote control

Flodd detector

Living-room

Weekly programmable thermostat
Have your home at the right temperature every time. Saves energy – and keeps you comfortable!

Weekly programmable timer
Will save an unexpected amount of energy and prolong the lifetime of your entertainment system.

Loudspeaker socket
Enjoy the access of your sound system at every point.

Weather station
Making decisions easier while chasing kids into the right clothes

Roller-blind (and/or curtain) switch
Lights out for movie time, or good morning sunshine?
Done in a few seconds.

Switch with indicator lamp
Signals that a light is on at the terrace.

Wireless comfort
Do you want different lighting scenarios?
Or a centralized roller-blind control? No problem! With Unica remote control and movable push-buttons you are in charge from your sofa.

Bedroom

Save the energy – with enhanced comfort
Prefer a cool bedroom at night?
The thermostat adds power only when necessary.

Wireless comfort
With Unica remote control or a wireless switch beside the bed you are in charge from the pillow.

More Unica Top in the bedroom
Wake-up clock. Light dimmer. Weather station. Roller-blind control.

Bathroom

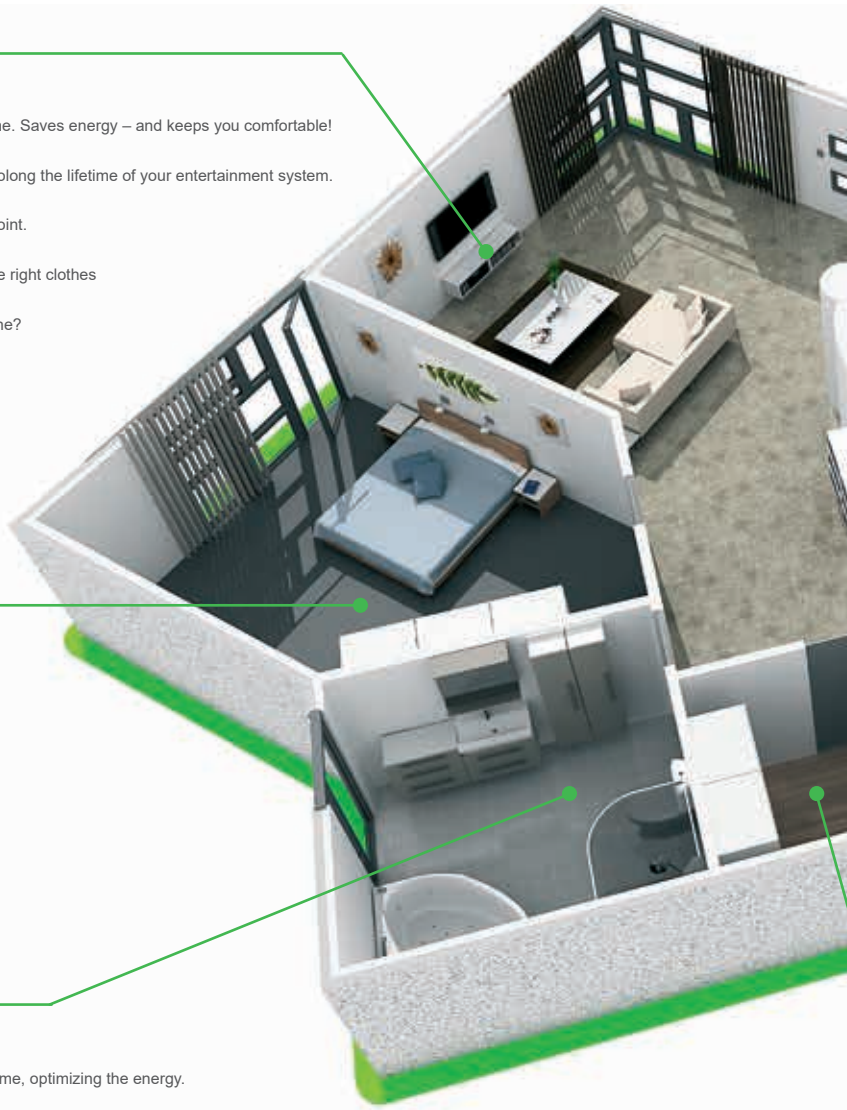
Weekly programmable thermostat
To have the home at the right temperature every time, optimizing the energy.

Signal lamp
If this room is occupied – you will know.

Cord push-button
Be smart! A panic alarm command – just in case!

Emergency light
Ever been in a bathroom without windows during a power failure? Don't be!

Flood detector
Protect your bathroom against flooding.



Staircase


Time delay switch

Time delay switch
For areas where you pass through. Truly energy-saving will make sure the light is only on for a short time,
no need to think about switching off. Can easily be combined with a push-button.


Switch with blue locator lamp

Kitchen


Rotary dimmer

Weekly programmable thermostat
Let the heart of your home be a warm kitchen. But not too warm!

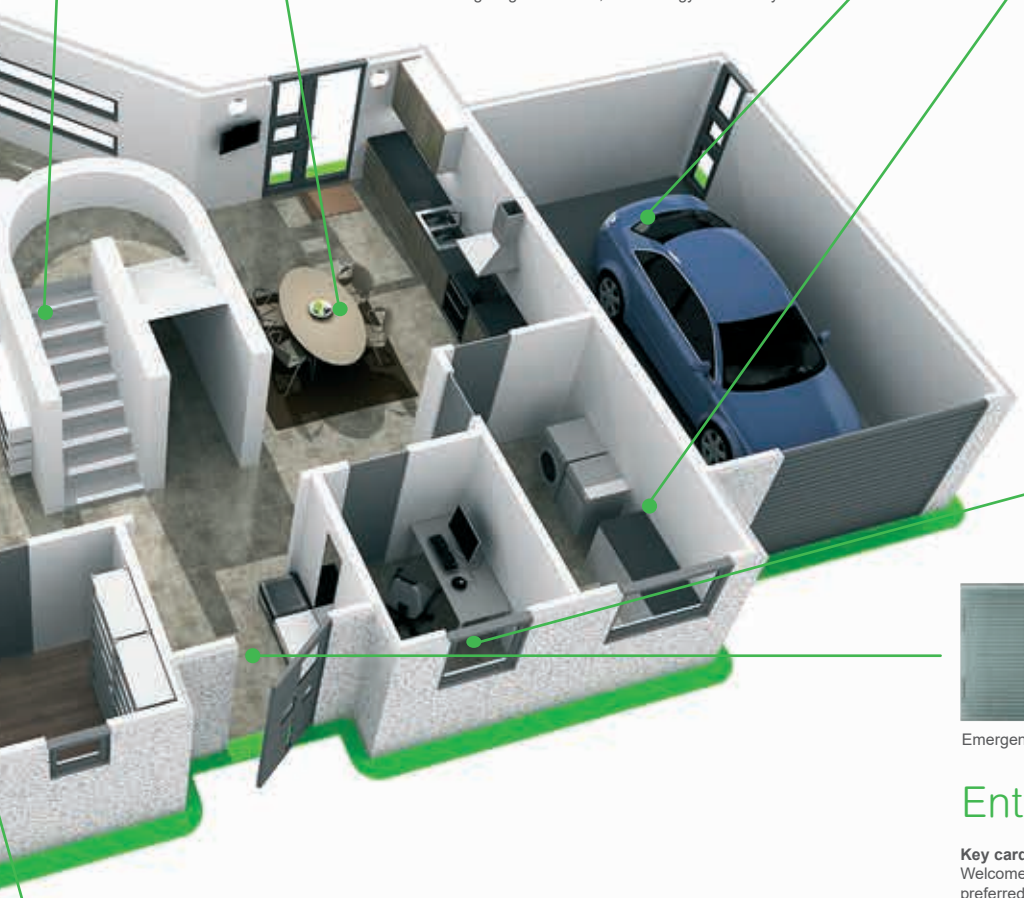
Weekly programmable timer.
Program the working time of some loads. Saves energy!

Double-pole switch
Double electrical safety. Isolate your devices completely from the installation. Extra important in a kitchen.

High rating switch
Need to run high amp loads at the same time?
Without blowing your fuse (or the kitchen fuse).

Alarm-clock
Clock- and alarm function.

Dimmer
Create lighting ambiances, save energy and money.



Storage


Movement and presence detector

Switch with blue locator lamp
Blue lamp. Always on.

Signal lamps
So that you can tell the status of any connected device, without having to go in there and check.

Movement and presence detector
Automatically activates light (or other functions) when you enter.

Garage

Time delay switch
For areas where you pass through. Will make sure the light is only on for a short time.

Basic thermostat
One of the best places to save energy.
A precise control of temperature, without significant drops or increases.

IP44/IP55 covers or surface boxes
For extra safety and protection using electric equipment.

Switch with blue locator lamp
Blue lamp. Always on.

Flood and gas detector
Protect your home against flooding and gas leakage.

Weekly programmable timer

Laundry

Weekly programmable timer.
Program the working time of some loads. Saves energy! And makes sure you are not leaving appliances turned on by mistake.

Basic thermostat
One of the best places to save energy. A precise control of temperature, without significant drops or increases.

IP44/IP55 covers or surface boxes
For extra safety and protection using electrical equipment.


Roller-blind switch


Emergency light

Entrance

Key card switch
Welcome home! Easily turns on preferred lights and devices from one single point.
Activated by you, unlocking the door. Or deactivated, when you lock and leave.

Weekly programmable thermostat
To have the home at the right temperature every time, optimizing the energy.

Switch with blue locator lamp
Blue lamp. Always on.

Emergency light
Find your way out safely in case of a power failure!

Home office

Weekly programmable thermostat
To have the home at the right temperature every time is comfortable and it also optimizes the energy.

Wireless comfort
With Unica remote control or a wireless switch on your desk, you are in charge of almost any function in the room.

Weekly programmable timer
Lights up or starts up (or shuts down) your preferred devices. Will save an unexpected amount of energy and prolong the lifetime of your computer system, printers etc.

Loudspeaker socket
Enjoy the access of your sound system.

Roller-blind (and/or curtain) switch
Lights out or not? Easy peace!

Unica Class, let nature into your home

Unica Class design is all about materials and how these materials project elegance and sophistication. Whether it be the rugged slate look or the simplicity of metal, Unica materials match the tone of any environment.

Unica Class Wood

A distinct refinement
A choice of classical nuances and timeless design that makes your heart click.
Enter in a haven of warm and personal atmosphere.
Wood is natural, durable, exquisite.

Unica Class Tobacco
Two gang two-way switch,
type A2 outer plate

Unica Class Wenge
Double switched socket outlet,
type B outer plate

Unica Class Slate

Natural, rugged elegance
Minerals are timeless and eternal. Those qualities bring a very special ambience into a room. Stone enhances the simplicity in all strict and open interiors. The individual patterns and shapes of minerals also increase a room's personally flavored distinction.

Unica Class Natural slate
One gang two-way switch,
type A2 outer plate

Unica Class Natural slate
Switched socket outlet,
type A outer plate

Unica Class Metal

A clean, cool finish
Introduce a metal finish to convey a clean, cool, modern look for your fittings. The Unica Class metal has a solid clean elegance which enhances sober interior ideas.

Unica Class Ice aluminium
Three gang two-way switch,
type A2 outer plate

Unica Class Ice aluminium
Switched socket-outlet,
type A outer plate

Unica Class Glass

Contemporary class and elegance
Highlight the clean atmosphere in a bright room with Unica Class in white glass. Make it exuberant and exciting with black mirror glass.

Unica Black mirror
Two gang two-way switch,
type A2 outer plate

Unica Class White glass
Double switched socket-outlet,
type B outer plate

Unica Top, elegance and sophistication

When you shape and decorate your home, you do it state of the art – with elegance and passion. With Unica top, you have the right design at hand, it offers sophisticated design and comprehensive functionality. Unica Top is designed with real metal in galvanic and painted finished.

Unica Top High-tech metal

Galvanic metal is a natural material signalling precious longevity. It remains an extensively used feature of interior design, simply because it will embellish both the modern and traditional, and any personal expression in between.

Unica Top metal is both a way to stylishly draw attention to exclusive, comfortable Unica Top functions and to help create a unique atmosphere.

Unica Top Bright chrome
Switched socket-outlet, type A outer plate

Unica Top Matt chrome
Two gang two-way switch, type A2 outer plate

Unica Top Rhodium black
Rotary electronic dimmer, type C outer plate

Unica Top Matte nickel
Double switched socket-outlet, type B outer plate

Unica Top White
Alarm clock, type C outer plate

Unica Top Metal grey
Methane gas detector, type C outer plate

Unica Plus, personal design

Design, versatility, harmony, the intense elegance of colours…
Unica Plus will perfectly fit with the pure aesthetic lines of your interior design.

Unica Plus Metal

Unica Plus Bright chrome
Double pole one-way switch with indicator, type A2 outer plate

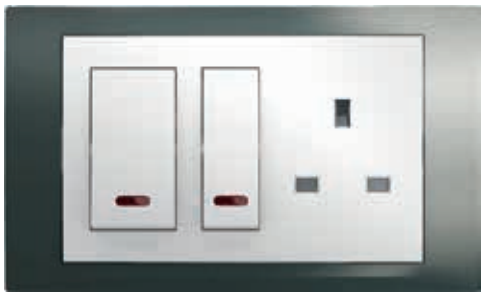
Unica Plus Gold metal
Switched socket-outlet, type A outer plate

Unica Plus Coloured finishes

Unica Plus White
Switched socket-outlet, type A outer plate

Unica Plus Ivory
45 A double pole switch, type A2 outer plate

Unica Plus Champagne
Time delay switch, type C outer plate



Unica Plus Sand
Cooker control unit, type B outer plate

Unica Plus Cacao
Two gang two-way switch, type A2 outer plate

Unica Plus Mist grey
TV/FM socket, type C outer plate

Unica Plus Terracotta
Unswitched british socket-outlet, type A outer plate

A range of colorful combinations

Color is what defines the mood of your home. Now you can customize your Unica Top or Class insert by choosing from two distinctive color schemes: aluminium and graphite. And, by selecting from a range of tastful frame colors, numerous attractive design possibilities are available.

Aluminium

Projecting a modern, powerful and clean finish.

Class Slate with aluminium

Top Bright chrome with aluminium

Graphite

A finish that gives off a natural yet contemporary feel.

Class Slate with graphite

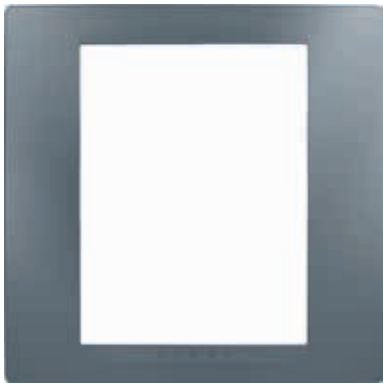
Top Bright chrome with graphite

Outer plates and functions: quick selection guide

Unica Class, Top and Plus are available in four different outer plates sizes, to match perfectly with each function.

Outer plate A

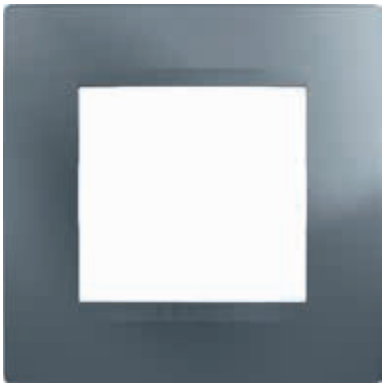
For single socket outlets and fuse connection units.



Internal dimensions: 53 x 70 mm

Outer plate A2

For switches and indicator room panel.



Internal dimensions: 53 x 50 mm

Outer plate B

The option for double functions.

Internal dimensions: 112 x 70 mm

Outer plate C

For all the global modular functions (RJ45, TVs, electronics…..).

Internal dimensions: 45 x 45 mm

Unica functionality

Unica offers a range of controls and functions to bring home owners comfort, safety and reliability.

Comfort controls

Unica delivers control devices such as light dimmers, blind controls, movement detectors, thermostats and other comfort products.

Thermostat

To get the right temperature at home, to save energy and money.
Regulation at finger tips.
Clear indication.

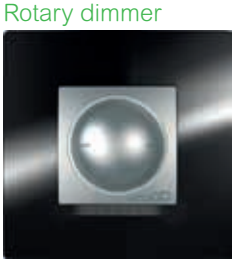
Movement and presence detector

The light when you need it without looking for switches. Good comfort for children, when people wake up at night. Saves energy and money.

Wake-up clock

A clock with many functions; time, temperature, alarm-clock with up to 9 programmable alarms. Same design as other Unica wiring devices.

Rotary dimmer



Create light ambiances as you want them. Saves energy, and money.

Time delay switch

Stops automatically, you don't need to think about switching off. You can regulate the time you want the switch to be on.

Connectivity

Real-time communication, sharing and distributed on-demand entertainment are a natural part of your life. The demands of effective data transfers push things forward at an incredible speed as the connected community grows. TV sockets, RJ45, Multimedia outlets… All available in Unica.

TV-SAT socket-outlet

Main standards available. Different types of gain loss and installation habits.

RJ45 data socket

Main standards available.

HDMI socket

Audio and video transfer

HD15 and mini jack sockets

Video and audio connection

Safety

Unica is designed with safety in mind, to take control of your home, meaning you no longer have to worry about it.

Emergency light

To get some light in case of power failure, it has a battery inside. Suitable in stairs for instance or corridors.

Technical alarms

Gas detectors: they are used to sound an alarm as soon as methane or LPG gas starts dissipating into the ambiant air. Flood detector: it is designed to detect a water leakage in order to prevent water damage.

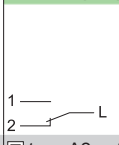
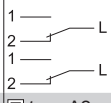
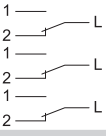
Common characteristics
- Connection: screw terminals
- Ambient air temperature for operation: - 5 to + 40 °C
- Standard: IEC 60669-1
- Degrees of protection: IK01 / IP20
- Wiring practices: comply to BS 7671

16 AX – 250 V AC switches


MGU5.241.18

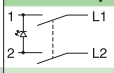

MGU5.242.18


MGU5.243.18

	16 AX 1 gang two-way	16 AX 2 gang two-way	16 AX 3 gang two-way
			
Colour	type A2 outer plate	type A2 outer plate	type A2 outer plate
white	**MGU5.241.18**	**MGU5.242.18**	**MGU5.243.18**
aluminium	**MGU5.241.30**	**MGU5.242.30**	**MGU5.243.30**
graphite	**MGU5.241.12**	**MGU5.242.12**	**MGU5.243.12**
	● Clamping connection capacity: 2.5 mm² rigid/flexible/standard cables		

20 AX – 250 V AC switches with indicator

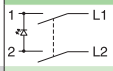

MGU5.222.18S

	20 AX douple pole one-way
	
Colour	type A2 outer plate
white	**MGU5.222.18S**
aluminium	**MGU5.222.30S**
graphite	**MGU5.222.12S**
	● Clamping connection capacity: 4 mm² rigid/flexible/standard cables ● Neon indicator lamp

45 A – 250 V AC switches with indicator


MGU5.252.18


MGU5.257.18

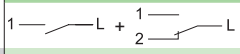
	45 A double pole switch	
		
Colour	type A2 outer plate	type B outer plate
white	**MGU5.252.18**	**MGU5.257.18**
aluminium	**MGU5.252.30**	**MGU5.257.30**
graphite	**MGU5.252.12**	**MGU5.257.12**
	● Clamping connection capacity: 16 mm² rigid/flexible/standard cables ● Neon indicator lamp	

Hotel accessories

Insert + fixing frame

Common characteristics
- Connection: screw terminals
- Wiring practices: comply to BS 7671

MGU5.217.18

	Control unit 10 AX – 250 V AC
	
Colour	type C outer plate
white	**MGU5.217.18**
aluminium	**MGU5.217.30**
graphite	**MGU5.217.12**
	• Clamping connection capacity: 2.5 mm² rigid/flexible cables • Ambient air temperature for operation: - 5 to + 35 °C • Standards: IEC 60669-1 • Degrees of protection: IK01/IP20

MGU5.777.18

	10 A Do not disturb and Clean up room with bell symbol
Colour	type A2 outer plate
white	**MGU5.777.18**
aluminium	**MGU5.777.30**
graphite	**MGU5.777.12**
	• Neon indicator lamp • Clamping connection capacity: 2.5 mm² rigid/flexible/standard cables • Ambient air temperature for operation: - 5 to + 40 °C • Standards: IEC 60669-1 • Degrees of protection: IK01/IP20

MGU5.054.18

	115/240 V shaver unit
Colour	type B outer plate
white	**MGU5.054.18**
aluminium	**MGU5.054.30**
graphite	**MGU5.054.12**
	• Clamping connection capacity: 2.5 mm² • Ambient air temperature for operation: - 5 to + 40 °C • Standards: IEC 61558-2-5 • Degrees of protection: IP21

Energy socket-outlets
Insert + fixing frame

Common characteristics
- Connection: screw terminals
- Ambient air temperature for operation: - 5 to + 40 °C
- Degrees of protection: IK01 / IP20
- Wiring practices: comply to BS 7671


MGU5.049.18

International socket-outlet
1 gang switched sockets-outlet

	13 A - 250 V AC, 2P + E , with neon indicator
Colour	type A outer plate
white	**MGU5.049.18**

- Red neon indicator lamp
- Clamping connection capacity: 3 x 2.5 mm², 2 x 4 mm² rigid/flexible/standard cables
- Standard: universal


MGU5.015.18


MGU5.065.18

British socket-outlets
Unswitched sockets-outlets

	13 A - 250 V AC, 2P + E	
Colour	type A outer plate	type B outer plate
white	**MGU5.015.18**	**MGU5.065.18**
aluminium	**MGU5.015.30**	**MGU5.065.30**
graphite	**MGU5.015.12**	**MGU5.065.12**

- Clamping connection capacity: 2.5 mm², 4 mm² rigid/flexible/standard cables
- Standards: BS 1363-2, SASO 2203

Switched sockets-outlets


MGU5.017.18


MGU5.016.18


MGU5.066.18


MGU5.018.18

	5 A - 250 V AC, 2P + E	
Colour	type A outer plate	
white	**MGU5.017.18**	
aluminium	**MGU5.017.30**	
graphite	**MGU5.017.12**	

- Clamping connection capacity: 1.5 mm² rigid/flexible/standard cables
- Standard: BS 546

	13 A - 250 V AC, 2P + E, with neon indicator	
Colour	type A outer plate	type B outer plate
white	**MGU5.016.18**	**MGU5.066.18**
aluminium	**MGU5.016.30**	**MGU5.066.30**
graphite	**MGU5.016.12**	**MGU5.066.12**

- Red neon indicator lamp
- Clamping connection capacity: 3 x 2.5 mm², 2 x 4 mm² rigid/flexible/standard cables
- Standards: BS 1363, SASO 2203

	15 A - 250 V AC, 2P + E, with neon indicator
Colour	type A outer plate
white	**MGU5.018.18**
aluminium	**MGU5.018.30**
graphite	**MGU5.018.12**

- Red neon indicator lamp
- Clamping connection capacity: 2.5 mm² rigid/flexible/standard cables
- Standard: BS 546

Energy socket-outlets - Control units

Insert + fixing frame

Common characteristics
- Connection: screw terminals
- Ambient air temperature for operation: - 5 to + 40 °C
- Degrees of protection: IK01 / IP20

MGU5.666.18

MGU5.616.18

Duplex switched sockets-outlets

	13 A - 250 V AC, twin gang, douple pole, RCD socket
Colour	
white	**MGU5.666.18**

- Clamping connection capacity: 3 x 2.5 mm^2, 2 x 4 mm^2 rigid/stranded cables
- Standards: BS 7288

Cooker control unit

	13 A - 250 V AC, twin gang cooker control unit
Colour	type B outer plate
white	**MGU5.616.18**
aluminium	**MGU5.616.30**
graphite	**MGU5.616.12**

- Red neon indicator lamp
- Clamping connection capacity: 16 mm^2 rigid/flexible/standard cables
- Standards: BS 4177

Fuse connexion units

Insert + fixing frame

Characteristics
- Connection: screw terminals
- Clamping connection capacity:
  - incoming: 3 x 2.5 mm², 2 x 4 mm² rigid/flexible/standard cables
  - outgoing: 1 x 1.5 mm² rigid/flexible/standard cables
  - input: 1 x 2.5 mm² rigid/flexible/standard cables
- Ambient air temperature for operation: - 5 to + 40 °C
- Standard: BS 1363-4
- Degrees of protection: IK01 / IP20
- Wiring practices: comply to BS 7671

MGU5.633.18

	13 A - 250 V AC, unswitched
Colour	⬚ type A outer plate
☐ white	**MGU5.633.18**
▒ aluminium	**MGU5.633.30**
■ graphite	**MGU5.633.12**

MGU5.634.18

	13 A - 250 V AC, switched, with neon indicator
Colour	⬚ type A outer plate
☐ white	**MGU5.634.18**
▒ aluminium	**MGU5.634.30**
■ graphite	**MGU5.634.12**


MGU3.201T.18

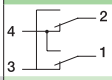

MGU3.101T.18

Inserts

Controls

10 AX – 250 V AC switches

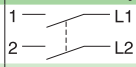
	10 AX one-way screw terminals		10 AX two-way screw terminals	
				
Colour	2 modules	1 module	2 modules	1 module
white	**MGU3.201T.18**	**MGU3.101T.18**	**MGU3.203T.18**	**MGU3.103T.18**
aluminium	**MGU3.201T.30**	**MGU3.101T.30**	**MGU3.203T.30**	**MGU3.103T.30**

	10 AX intermediate screw terminals	
		
Colour	2 modules	1 module
white		**MGU3.105T.18**
aluminium	**MGU3.205T.30**	

MGU3.261.18


MGU3.161.18

16 AX – 250 V AC switches

	16 AX one-way screw terminals		16 AX double pole one-way screw terminals	
				
Colour	2 modules	1 module	2 modules	1 module
white	**MGU3.261.18**	**MGU3.161.18**	**MGU3.262.18**	**MGU3.162.18**
aluminium	**MGU3.261.30**	**MGU3.161.30**	**MGU3.262.30**	
graphite	**MGU3.261.12**	**MGU3.161.12**	**MGU3.262.12**	**MGU3.162.12**

	16 AX two-way screw terminals		16 AX L/R two-way screw terminals	
				
Colour	2 modules	1 module	2 modules	
white	**MGU3.263.18**	**MGU3.163.18**	**MGU3.263.18LR**	
aluminium	**MGU3.263.30**	**MGU3.163.30**		
graphite	**MGU3.263.12**	**MGU3.163.12**		


MGU3.262.18


MGU3.162.18


MGU3.201T.18N


MGU3.101T.18N

10 AX – 250 V AC switches with blue locator lamp

Colour	10 AX one-way screw terminals 4 — 2		10 AX two-way screw terminals 4 / 1 — 2
	2 modules	1 module	1 module
white	MGU3.201T.18N	MGU3.101T.18N	MGU3.103T.18N
aluminium	MGU3.201T.30N	MGU3.101T.30N	MGU3.103T.30N
graphite	MGU3.201T.12N		MGU3.103T.12N
	Blue LED lamp, connected internally		

Colour	10 AX two-way screw terminals 4 / 1 — 2	10 AX intermediate screw terminals 3 — 2 / 4 — 1
	1 module	1 module
white	MGU3.103T.18N	MGU3.105T.18N
aluminium	MGU3.103T.30N	MGU3.105T.30N
graphite	MGU3.103T.12N	
	Blue LED lamp, connected internally	


MGU3.261.18N


MGU3.161.18N

16 AX – 250 V AC switches with blue locator lamp

Colour	16 AX one-way screw terminals 1 — L		16 AX two-way screw terminals 1 / 2 — L	
	2 modules	1 module	2 modules	1 module
white	MGU3.261.18N	MGU3.161.18N	MGU3.263.18N	MGU3.163.18N
aluminium	MGU3.261.30N	MGU3.161.30N	MGU3.263.30N	MGU3.163.30N
graphite	MGU3.261.12N	MGU3.161.12N	MGU3.263.12N	MGU3.163.12N
	Blue LED lamp, connected internally			


MGU3.261.18S


MGU3.161.18S

16 AX – 250 V AC switches with amber indicator lamp

Colour	16 AX one-way screw terminals 1 — N / 1 — L		16 AX double pole one-way screw terminals 1 — L1 / 2 — L2	
	2 modules	1 module	2 modules	1 module
white	MGU3.261.18S	MGU3.161.18S	MGU3.262.18S	MGU3.162.18S
aluminium	MGU3.261.30S	MGU3.161.30S	MGU3.262.30S	MGU3.162.30S
graphite	MGU3.261.12S	MGU3.161.12S	MGU3.262.12S	MGU3.162.12S
	Amber LED lamp, connected internally			

Colour	16 AX two-way screw terminals 1 — N / 2 — L	
	2 modules	1 module
white	MGU3.263.18S	MGU3.163.18S
aluminium	MGU3.263.30S	MGU3.163.30S
graphite	MGU3.263.12S	MGU3.163.12S
	Amber LED lamp, connected internally	

MGU3.206T.18


MGU3.106T.18


MGU3.206T.18C


MGU3.106.18L


MGU3.206T.18N


MGU3.106T.18LN

10 A – 250 V AC push-buttons

	10 A screw terminals	
	4 — 2	
Colour	2 modules	1 module
white	MGU3.206T.18	MGU3.106T.18
aluminium		MGU3.106T.30
graphite		MGU3.106T.12

	10 A screw terminals with bell symbol	10 A screwless terminals with light symbol	
	4 — 2	1 — L	
Colour	2 modules	2 modules	1 module
white	MGU3.206T.18C	MGU3.206.18L	MGU3.106.18L
aluminium	MGU3.206T.30C		

10 A – 250 V AC push-buttons with blue locator lamp

	10 A screw terminals		10 A screw terminals with light symbol
	4 — 2		4 — 2
Colour	2 modules	1 module	
white	MGU3.206T.18N	MGU3.106T.18N	MGU3.106T.18LN
aluminium	MGU3.206T.30N	MGU3.106T.30N	
graphite		MGU3.106T.12N	

Blue LED lamp, connected internally


MGU3.701.18

Key and rotary switches

	Key switch - 2 positions
Colour	2 modules
white	MGU3.701.18
aluminium	MGU3.701.30
graphite	MGU3.701.12


MGU3.579.18

	40- 3000 W/VA rotary switch - 4 positions
	0 1 2 3
Colour	2 modules
white	MGU3.579.18
aluminium	MGU3.579.30
graphite	MGU3.579.12

Replacement lamps

LED for 250 V AC switches and push-buttons with locator/indicator lamp

Colour		
amber	MGU0.825.AL	MGU0.822.AL
blue	MGU0.825.AZL	MGU0.822.AZL
	For switches and push-buttons with screwless terminals from November 2011 (except intermediate switches)	• Before November 2011, for all switches and push-buttons, • From November 2011, for switches and push-buttons with srew terminals and intermediate switches.


MGU0.825.AL


MGU0.825.AZL


MGU0.822.AL


MGU0.822.AZL

LED for 12 V AC push-buttons

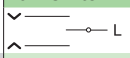
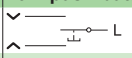
Colour	
yellow	MGU0.823.AM


MGU0.823.AM

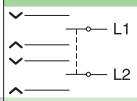
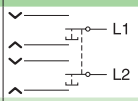
Specialized controls

Mechanisms for roller blinds

MGU3.108T.18

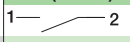
	10 A switch with screw terminals	10 A push-button with screw terminals
		
Colour	1 module	1 module
white	**MGU3.108T.18**	**MGU3.107T.18**
aluminium	**MGU3.108T.30**	**MGU3.107T.30**
graphite	**MGU3.108T.12**	**MGU3.107T.12**
	With mechanical and electrical safety latching to prevent simultaneous activation in both directions	

MGU3.109T.18

	10 AX double pole switch with screw terminals	10 AX double pole push-button with screw terminals
		
Colour	1 module	1 module
white	**MGU3.109T.18**	
aluminium	**MGU3.109T.30**	**MGU3.127T.30**
graphite	**MGU3.109T.12**	**MGU3.127T.12**
	With mechanical and electrical safety latching to prevent simultaneous activation in both directions	

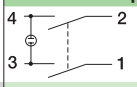
32 A – 250 V high rating switches

MGU3.231.18

	32 A (25 AX) one-way with screw terminals
	
Colour	2 modules
white	**MGU3.231.18**
aluminium	**MGU3.231.30**
graphite	**MGU3.231.12**

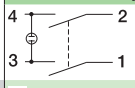
20 AX – 250 V high rating switch with amber indicator lamp

MGU3.224.18S

	20 AX double pole one-way
	
Colour	2 modules
white	**MGU3.224.18S**
aluminium	**MGU3.224.30S**
graphite	**MGU3.224.12S**
	Amber neon lamp, connected internally

32 AX – 250 V high rating switch with amber indicator lamp

MGU3.232.18S

	32 AX double pole one-way
	
Colour	2 modules
white	**MGU3.232.18S**
aluminium	**MGU3.232.30S**
graphite	**MGU3.232.12S**
	Amber neon lamp, connected internally

Comfort controls

Rotary electronic dimmers switches


MGU3.511.18


MGU3.559.18


MGU3.510.18

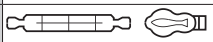
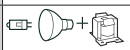
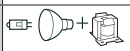
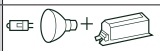
	40-400 W/VA one/two way switch	60-400W/VA one way switch
Colour	2 modules	1 module
white	**MGU3.511.18**	**MGU3.559.18**
aluminium	**MGU3.511.30**	**MGU3.559.30**
graphite	**MGU3.511.12**	**MGU3.559.12**
	• One pulse to switch on (or off) and rotation to regulate load	

	400 VA, 1-10 V for fluorescent tubes
Colour	2 modules
white	**MGU3.510.18**
aluminium	**MGU3.510.30**
graphite	**MGU3.510.12**
	• Max. control current: 200 mA • Compliant with the interference suppression (EMC) standard EN 60669-2-1 • 4-wire connection

Push-button dimmer switch


MGU3.515.18

	Multi-load Variapush (pulse control) 20-350 W/VA
Colour	2 modules
white	**MGU3.515.18**
aluminium	**MGU3.515.30**
graphite	**MGU3.515.12**
	Compliant with the interference suppression (EMC) standard EN 60669-2-1

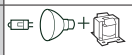
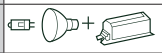
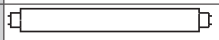
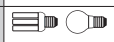
MGU3.511.XX	MGU3.559.XX	MGU3.510.XX	MGU3.515.XX		
				Maximum loads	
400 W	400 W		250 W		230 V AC incandescent lamps
400 W	400 W		350 W		230 V AC halogen lamps
400 VA			350 VA		ELV halogen lamps with ferromagnetic transformer (non toroidal)
			300 VA		ELV lamps with toroidal transformer
			350 VA		ELV halogen lamps with electronic transformer
		400 VA 1-10 V			• 230 V AC fluorescent tube, Φ 26 or Φ 38 mm with 1-10 V electronic ballast • 230 V AC fluorescent tube, 36 W with 10 electronic ballasts (1-10 V) • 230 V AC fluorescent tube, 2 x 16 W, Φ 26 or Φ 30 mm with 5 electronic ballasts (1-10 V) • Maximum control of 50 electronic ballasts (1-10 V) with an external relay
			200 W		230 V AC fans
			350 W		230 V AC convectors
					230 V AC motors
				Installation	
				Installed in place of a switch	
				May be controlled by push-buttons: up to 25 push-buttons in the surrounding area	

MGU3.524.18

Movement and presence detectors

	300 W detector	2300 W detector
Colour	2 modules	2 modules
white	**MGU3.524.18**	**MGU3.525.18**
aluminium	**MGU3.524.30**	**MGU3.525.30**
graphite	**MGU3.524.12**	**MGU3.525.12**

- Adjustable disconnection time and brightness
- Optional switching of the load connected to the control switch using conventional auxiliary push-buttons

MGU3.524.XX	MGU3.525.XX		
		Maximum loads	
300 W	2300 W		230 V AC incandescent lamps
300 W	2000 W		230 V AC halogen lamps
	1050 VA		ELV halogen lamps with wire-wound transformer (non toroidal)
	1150 VA		ELV halogen lamps with electronic transformer
	2000 VA cos φ ≥ 0,9		230 V AC fluorescent tubes Φ 26 or Φ 38 mm
	500 VA		230 V AC compact fluorescent lamps
	200 VA		230 V AC fans
300 W cos φ ≥ 0.95	2300 W		230 V AC convectors
	200 VA		230 V AC contactors
		Installation	
		Parallel connection: max. 2 detectors for a load	
		Possibility of using up to 5 push-buttons in the surrounding area	

MGU3.501.18

MGU3.505.18

MGU3.503.18

MGU3.535.18

MGU3.541.18

Thermostats

	8 A basic thermostat	8 A resistive/5 A inductive weekly programmable thermostat
Colour	2 modules	2 modules
white	**MGU3.501.18**	**MGU3.505.18**
aluminium	**MGU3.501.30**	**MGU3.505.30**
graphite	**MGU3.501.12**	**MGU3.505.12**
	Used to control heating and air conditioning according to pre-programmed times and temperatures	

	10 A floor thermostat
Colour	
white	**MGU3.503.18**
aluminium	**MGU3.503.30**
graphite	**MGU3.503.12**
	Delivered with 4 m temperature sensor

Time delay switch

	8 A press activated time delay switch
Colour	2 modules
white	**MGU3.535.18**
aluminium	**MGU3.535.30**
graphite	**MGU3.535.12**
	• For all load types • Adjustable disconnection time (2 s - 12 min.) • Optional switching on using conventional push-button • Included night blue locator lamp

Weekly programmable timer

	Weekly programmable
Colour	2 modules
white	**MGU3.541.18**
aluminium	**MGU3.541.30**
graphite	**MGU3.541.12**
	• 230 V 1200 W (incandescent and halogen) • 1000 VA (halogen 12 V with electromagnetic transformer) • 28 intervals

Modular functions

Type C outer plate

MGU3.546.18

Weatherstation

	Weatherstation
Colour	2 modules
white	**MGU3.546.18**
aluminium	**MGU3.546.30**
graphite	**MGU3.546.12**

- Ambient temperature
- Atmospheric pressure
- Relative humidity

MGU3.545.18

Wake up clock

	Wake up clock
Colour	2 modules
white	**MGU3.545.18**
aluminium	**MGU3.545.30**
graphite	**MGU3.545.12**

- Double alarm
- "SNOOZE" function
- Indication of ambient temperature

MGU3.540.18

Key card switches

	8 A timed		10 A	
	for Unica Top	for Unica Class	for Unica Top	for Unica Class
Colour	2 modules	2 modules	2 modules	2 modules
white	**MGU3.540.18**		**MGU3.283.18**	
aluminium	**MGU3.540.30**	**MGU3.540.30CS**	**MGU3.283.30**	**MGU3.283.30CS**
graphite	**MGU3.540.12**	**MGU3.540.12CS**	**MGU3.283.12**	**MGU3.283.12CS**
	With locator lamp			

Supplementary lamp for key card switch
MGU0.824

MGU0.824

Technical alarms

Detectors

	Methane gas detectors - 12 V AC/DC	LPG gas detectors - 12 V AC/DC
Colour	2 modules	2 modules
white	**MGU3.710.18**	**MGU3.711.18**
aluminium	**MGU3.710.30**	**MGU3.711.30**
graphite	**MGU3.710.12**	**MGU3.711.12**

MGU3.710.18

MGU3.711.18

	Flood detectors - 12 V AC/DC	Sensor for flood detectors
Colour	2 modules	
white	**MGU3.713.18**	**MGU3.712** (white)
aluminium	**MGU3.713.30**	**MGU3.712** (white)
graphite	**MGU3.713.12**	

MGU3.713.18

MGU3.712

Power supplies

	230 V AC/ 12 V AC - 50/60 Hz
Colour	2 modules
white	**MGU3.716.18**
aluminium	**MGU3.716.30**
graphite	**MGU3.716.12**

MGU3.715.18

Socket-outlets

German socket-outlets

MGU3.037.18

	16 A 2P + E, shuttered, screw terminals	16 A 2P + E, shuttered, screw terminals, hinged flap
Colour	2 modules	2 modules
white	**MGU3.037.18**	**MGU3.037.18TA**
aluminium	**MGU3.037.30**	**MGU3.037.30TA**
graphite	**MGU3.037.12**	**MGU3.037.12TA**
red	**MGU3.037.03**	
green	**MGU3.037.06**	
orange	**MGU3.037.61**	
	Side earth	

MGU3.037.18SL

	16 A 2P + E, shuttered, screw terminals with lamp
Colour	2 modules
white	**MGU3.037.18SL**
aluminium	**MGU3.037.30SL**
graphite	**MGU3.037.12SL**
red	**MGU3.037.03SL**
	Side earth

French socket-outlets

MGU3.039.18

	16 A 2P + E, shuttered, screw terminals
Colour	2 modules
white	**MGU3.039.18**
aluminium	**MGU3.039.30**
graphite	**MGU3.039.12**
red	**MGU3.039.03**
	Pin earth

MGU3.039.18SL

	16 A 2P + E, shuttered, screw terminals with lamp
Colour	2 modules
white	**MGU3.039.18SL**
aluminium	**MGU3.039.30SL**
graphite	**MGU3.039.12SL**
red	**MGU3.039.03SL**
	Pin earth

Italian socket-outlets

MGU3.030.18

	10 A 2P, Italian earth, shuttered, screw terminals
Colour	1 module
white	**MGU3.030.18**
aluminium	**MGU3.030.30**
graphite	**MGU3.030.12**

MGU3.023.18

	16 A 2P, Italian earth, shuttered, screw terminals
Colour	1 module
white	**MGU3.023.18**
aluminium	**MGU3.023.30**
graphite	**MGU3.023.12**

British socket-outlets

MGU3.045.18

MGU3.046.18

	13 A 2P + E, shuttered, screw terminals	15 A 2P + E, shuttered, screw terminals
Colour	2 modules	2 modules
white	**MGU3.045.18**	**MGU3.046.18**
aluminium	**MGU3.045.30**	**MGU3.046.30**
graphite	**MGU3.045.12**	**MGU3.046.12**


MGU3.031.18


MGU3.033.18

European socket-outlets

	10 A 2P, shuttered, screw terminals	16 A 2P, shuttered, screw terminals
Colour	1 module	2 modules
white	**MGU3.031.18**	**MGU3.033.18**
aluminium	**MGU3.031.30**	**MGU3.033.30**
graphite	**MGU3.031.12**	**MGU3.033.12**
	Only for replacements in installations without an earthing connection	Only for replacements


MGU3.021.18

Euroamerican socket-outlets

	2P, shuttered, screw terminals	2P + E, shuttered, screw terminals	
Colour	1 module	2 modules	1 module
white	**MGU3.021.18**	**MGU3.048.18**	**MGU3.043.18**
aluminium	**MGU3.021.30**	**MGU3.048.30**	
graphite	**MGU3.021.12**		
	• 10 A - 250 V AC for cylindrical pins • 15 A - 125 V AC for flat pins		


MGU3.048.18


MGU3.043.18

American socket-outlets

	15 A 2P + E, screw terminals
Colour	1 module
white	**MGU3.028.18**
aluminium	**MGU3.028.30**
graphite	**MGU3.028.12**


MGU3.028.18

Data sockets

RJ45 data sockets


MGU3.411.18


MGU3.410.18

Colour	Category 5e, unshielded		Category 5e, shielded	
	2 modules	1 module	2 modules	1 module
white	**MGU3.411.18** (1)	**MGU3.410.18** (1)	**MGU3.413.18** (2)	**MGU3.412.18** (2)
aluminium	**MGU3.411.30** (1)	**MGU3.410.30** (1)	**MGU3.413.30** (2)	**MGU3.412.30** (2)
graphite	**MGU3.411.12** (1)	**MGU3.410.12** (1)	**MGU3.413.12** (2)	**MGU3.412.12** (2)
Colour	**Category 6, unshielded**		**Category 6, shielded**	
	2 modules	1 module	2 modules	1 module
white	**MGU3.415.18** (3)	**MGU3.414.18** (3)	**MGU3.417.18** (4)	**MGU3.416.18** (4)
aluminium	**MGU3.415.30** (3)	**MGU3.414.30** (3)	**MGU3.417.30** (4)	**MGU3.416.30** (4)
graphite	**MGU3.415.12** (3)	**MGU3.414.12** (3)	**MGU3.417.12** (4)	**MGU3.416.12** (4)
Colour	**Category 6_A, unshielded**		**Category 6_A, shielded**	
	2 modules	1 module	2 modules	1 module
white	**MGU3.445.18** (5)	**MGU3.444.18** (5)	**MGU3.447.18** (6)	**MGU3.446.18** (6)
aluminium	**MGU3.445.30** (5)	**MGU3.444.30** (5)	**MGU3.447.30** (6)	**MGU3.446.30** (6)
graphite	**MGU3.445.12** (5)	**MGU3.444.12** (5)	**MGU3.447.12** (6)	**MGU3.446.12** (6)

RJ45 data connector covers


MGU9.421.18


MGU9.420.18

Colour	LexCom		Infraplus	
	2 modules	1 module	2 modules	1 module
white	**MGU9.421.18**	**MGU9.420.18**	**MGU9.411.18**	**MGU9.410.18**
aluminium	**MGU9.421.30**	**MGU9.420.30**	**MGU9.411.30**	**MGU9.410.30**
graphite	**MGU9.421.12**	**MGU9.420.12**	**MGU9.411.12**	**MGU9.410.12**
Colour	**Universal**			
	2 modules	1 module		
white	**MGU9.460.18**	**MGU9.461.18**		
aluminium	**MGU9.460.30**	**MGU9.461.30**		
graphite	**MGU9.460.12**	**MGU9.461.12**		

See technical information pages for compatility table

Actassi S-one RJ45 connectors reference numbers included into Unica data sockets:
(1) VDIB17725U, (2) VDIB17725B, (3) VDIB17726U, (4) VDIB17726B, (5) VDIB1772XU, (6) VDIB1772XB.


VDIB17725U


VDIB17725B


VDIB17726U


VDIB17726B


VDIB1772XU


VDIB1772XB

Optical fibre center plates

Common characteristics
- Ambient air temperature for operation: 5 to 35 °C
- Standard: IEC 60874
- Degree of protection: IP20/ IK04.


MGU9.439.18


MGU9.438.18

Colour	SC/SC APC simplex type	SC/SC APC duplex type
white	**MGU9.439.18**	**MGU9.438.18**
aluminium		**MGU9.438.30**
graphite		**MGU9.438.12**

- Support to receive any SC simplex and duplex adapters
- Support to receive **Actassy** optical fibre adapters:
  - SC Duplex multi mode adapters: ref. n° VDIB6031001 and VDIB6031002
  - SC Duplex single mode adapters: ref. n° VDIB6032001 and VDIB6032002
  - SC APC Duplex single mode adapter: ref. n° VDIB6082001
  - SC APC Simplex single mode adapter: ref. n° VDIB6072001.


VDIB6031001
VDIB6031002


VDIB6032001
VDIB6032002


VDIB6082001


VDIB6072001

TV/FM/SAT sockets

TV/FM sockets

MGU3.451.18

	TV/FM socket for parallel distribution systems		
Colour	2 modules		
white	**MGU3.451.18**		
aluminium	**MGU3.451.30**		
graphite	**MGU3.451.12**		
	• 47-860 MHz • Individual socket		
	TV/FM sockets for series distribution systems		
Colour	2 modules	2 modules	
white	**MGU3.452.18**	**MGU3.453.18**	
aluminium	**MGU3.452.30**	**MGU3.453.30**	
graphite	**MGU3.452.12**	**MGU3.453.12**	
	• 47-860 MHz • End-of-line (terminal socket)	• 47-860 MHz • Intermediate socket (passage socket)	

R-TV/SAT sockets

MGU3.454.18

	R-TV/SAT socket for parallel distribution systems	R-TV/SAT socket for series distribution systems
Colour	2 modules	2 modules
white	**MGU3.454.18**	**MGU3.455.18**
aluminium	**MGU3.454.30**	**MGU3.455.30**
graphite	**MGU3.454.12**	**MGU3.455.12**
	• 10-2400 MHz • Individual socket	• 10-2400 MHz • End-of-line (terminal)

	R-TV/SAT socket for series distribution systems
Colour	2 modules
white	**MGU3.456.18**
aluminium	**MGU3.456.30**
graphite	**MGU3.456.12**
	• 10-2400 MHz • Intermediate socket (passage)

R/TV/SAT sockets

MGU3.450.18

	R/TV/SAT socket for parallel distribution systems
Colour	2 modules
white	**MGU3.450.18**
aluminium	**MGU3.450.30**
graphite	**MGU3.450.12**
	• R: 5-108 MHz / TV: 125-862 MHz / SAT: 950-2400 MHZ • Individual socket

TV/SAT sockets

MGU3.468.18

	TV/SAT Female socket-F type
Colour	1 module
white	**MGU3.468.18**
aluminium	**MGU3.468.30**
graphite	**MGU3.468.12**


MGU3.462.18


MGU3.464.18

SAT single shielded sockets

	Male individual	Male terminal
Colour	2 modules	2 modules
white	**MGU3.462.18**	**MGU3.464.18**
aluminium	**MGU3.462.30**	**MGU3.464.30**
graphite	**MGU3.462.12**	**MGU3.464.12**
	5-2150 MHz	

	Male passage
Colour	2 modules
white	**MGU3.463.18**
aluminium	**MGU3.463.30**
graphite	**MGU3.463.12**
	5-2150 MHz


MGU3.465.18


MGU3.467.18

TV single shielded sockets

	Female individual	Female terminal
Colour	2 modules	2 modules
white	**MGU3.465.18**	**MGU3.467.18**
aluminium	**MGU3.465.30**	**MGU3.467.30**
graphite	**MGU3.465.12**	**MGU3.467.12**
	5-862 MHz	

	Female passage
Colour	2 modules
white	**MGU3.466.18**
aluminium	**MGU3.466.30**
graphite	**MGU3.466.12**
	5-862 MHz


MGU9.440.18


MGU9.441.18

TV/FM/SAT cover plates

	TV/FM	R-TV/SAT
Colour	2 modules	2 modules
white	**MGU9.440.18**	**MGU9.441.18**
aluminium	**MGU9.440.30**	**MGU9.441.30**
graphite	**MGU9.440.12**	**MGU9.441.12**

Telephone sockets

RJ11 and RJ12

Screw connection. As per RD 1/1998 and RD 279/1999 (ICT): socket for the Terminal Access Database (TAD) for the telephony service.


MGU3.492.18


MGU3.490.18


MGU3.497.18


MGU3.491.18

Colour	RJ11- 4 contacts screw	
	2 modules	1 module
white	MGU3.492.18	MGU3.490.18
aluminium	MGU3.492.30	MGU3.490.30
graphite	MGU3.492.12	MGU3.490.12

Colour	RJ12- 6 contacts screwless		RJ12- 6 contacts screw	
	2 modules	1 module	2 modules	1 module
white	MGU3.493.18	MGU3.495.18	MGU3.497.18	MGU3.491.18
aluminium	MGU3.493.30	MGU3.495.30	MGU3.497.30	MGU3.491.30
graphite	MGU3.493.12	MGU3.495.12	MGU3.497.12	MGU3.491.12

British telephone sockets


MGU3.499.18

Colour	6 contacts screwless
	1 module
white	MGU3.499.18
aluminium	MGU3.499.30
graphite	MGU3.499.12

Indication

Indicator lamps


MGU3.775.18A


MGU3.775.18R


MGU3.775.18V


MGU3.775.18T

Colour	Orange	Red
	1 module	1 module
white	MGU3.775.18A	MGU3.775.18R
aluminium	MGU3.775.30A	MGU3.775.30R
graphite	MGU3.775.12A	MGU3.775.12R

Colour	Green	Colourless
	1 module	1 module
white	MGU3.775.18V	MGU3.775.18T
aluminium	MGU3.775.30V	MGU3.775.30T
graphite	MGU3.775.12V	MGU3.775.12T

Buzzer and electronic doorbell


MGU3.785.18


MGU3.786.18

Colour	230 V, 50-60Hz buzzer	230 V electronic doorbell
	2 modules	2 modules
white	MGU3.785.18	MGU3.786.18
aluminium	MGU3.785.30	MGU3.786.30
graphite	MGU3.785.12	MGU3.786.12
	With adjustable tone	5 tunes

Emergency light


MGU3.776.T

Emergency light
2 modules
MGU3.776.T

Pilotlamp


MGU3.780.T

Autonomous pilotlamp
2 modules
MGU3.780.T

Multimedia sockets

USB data connectors

MGU3.429.18

	USB data connector
Colour	1 module
white	**MGU3.429.18**
aluminium	**MGU3.429.30**
graphite	**MGU3.429.12**

- Output connectors: USB 2.0
- Connection: screw terminals
- Clamping connection capacity: up to 1.5 mm^2 rigid/stranded/flexible
- Ambient air temperature for operation: - 5°C to + 40°C
- Standards: IEC 998-1, IEC 998-2-1
- Protection degrees: IP21/IK04

HDMI sockets

MGU3.430.18

	HDMI prewired socket
Colour	1 module
white	**MGU3.430.18**
aluminium	**MGU3.430.30**
graphite	**MGU3.430.12**

- Ambient air temperature for operation: - 5°C to + 40°C
- Standards: EN 50157, EN 50049
- Protection degrees: IP21/IK04

RCA sockets

MGU3.431.18

	3 RCA female socket
Colour	1 module
white	**MGU3.431.18**
aluminium	**MGU3.431.30**
graphite	**MGU3.431.12**

- Connection: screw terminals
- Clamping connection capacity: up to 1.5 mm^2 rigid/stranded/flexible
- Ambient air temperature for operation: - 5°C to + 40°C
- Protection degrees: IP21/IK04

HD15 sockets

MGU3.432.18

	HD15 female socket
Colour	1 module
white	**MGU3.432.18**
aluminium	**MGU3.432.30**
graphite	**MGU3.432.12**

- Ambient air temperature for operation: - 5°C to + 40°C
- Protection degrees: IP21/IK04

Mini jack sockets

MGU3.433.18

	Mini jack 3.5 mm socket
Colour	1 module
white	**MGU3.433.18**
aluminium	**MGU3.433.30**
graphite	**MGU3.433.12**

- Ambient air temperature for operation: - 5°C to + 40°C
- Protection degrees: IP21/IK04

Multimedia sockets (cont'd)

USB charger

Characteristics
- Rated operation voltage: 100/240 V AC - 50/60 Hz
- Input power: 7.5 W
- Output power: 5 V DC - 1 A
- Output connectors: USB 2.0
- Cables: 1.5 to 2.5 mm² rigid/stranded/flexible
- Protection type: short-circuit protection
- Ambient air temperature for operation: - 5°C to + 40°C
- Standard: EN 60950-1, EN 62684, EN 301 489-4, EU-directive 2002/95/EC, WEEE-directive 2002/96/EC
- Electrical insulation class: class II
- Environmental characteristic: REACH Regulation (EC) N° 19072006
- Compatibility: Apple, Atmel, Emblaze mobile, Huawei Technologies, LGE, Motorola Mobility, Nokia, Qualcomm, Research in Motion, Samsung, Sony Ericsonn, TCT mobile (ALCATEL) and Texas Instruments.


MGU3.428.18

	Single USB
Colour	1 module
white	**MGU3.428.18**
aluminium	**MGU3.428.30**
graphite	**MGU3.428.12**
	• Consumption without load: < 0.1 W

Complementary offers

Cable outlet


MGU3.862.18


MGU3.860.18

	16 A	
Colour	2 modules	1 module
white	**MGU3.862.18**	**MGU3.860.18**
aluminium	**MGU3.862.30**	**MGU3.860.30**
graphite	**MGU3.862.12**	**MGU3.860.12**
	• 3 x 2.5mm² connection terminals • Anti-tug clamps	

Blind cover plates


MGU9.866.18

MGU9.865.18

	Blind cover plate		
Colour	2 modules	1 module	1/2 module
white	**MGU9.866.18**	**MGU9.865.18**	**MGU9.864.18**
aluminium	**MGU9.866.30**	**MGU9.865.30**	**MGU9.864.30**
graphite	**MGU9.866.12**	**MGU9.865.12**	**MGU9.864.12**

	Blind cover plate with groove
Colour	1 module
white	**MGU9.868.18**
aluminium	**MGU9.868.30**
graphite	**MGU9.868.12**

Loudspeaker accessories


MGU3.486.18


MGU3.487.18

	Loudspeaker socket	
Colour	2 modules	1 module
white	**MGU3.486.18**	**MGU3.487.18**
aluminium	**MGU3.486.30**	**MGU3.487.30**
graphite	**MGU3.486.12**	**MGU3.487.12**
	Pressure-fixing of terminals	

Unica Wireless

Unica Wireless is a range of wireless products which use radio technology (RF) to exchange information. The products are highly suitable for refurbishment work in residential and small building environments without damaging the walls. They make it considerably easier and far more pleasant to control lighting and roller blinds in the home. They are simple to install and program.

Scenario 1: Add a switch

Add a switch beside the bed to switch the bedroom ceiling lamp on or off without getting up.

- Replace the existing switch with a Unica Wireless combined module.
- Stick a new battery-powered push-button onto the wall beside the bed.
- Link them by simple programming.

Scenario 2: Create a centralised roller-blind control system

Create a centralised roller-blind control system to open or close all the blinds in the house with just one button.

- Replace each individual roller-blind control with a Unica Wireless roller-blind module.
- Stick a Unica Wireless battery-powered push-button for the centralised control in the required position.
- Link them by simple programming.

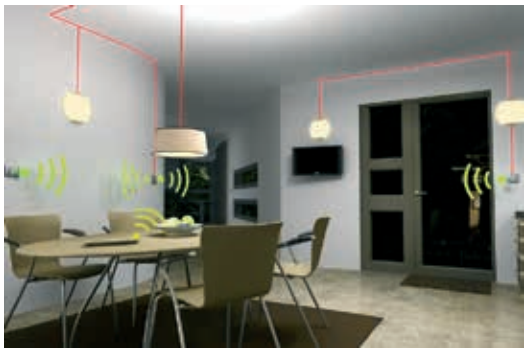
Scenario 3: Create lighting scenarios

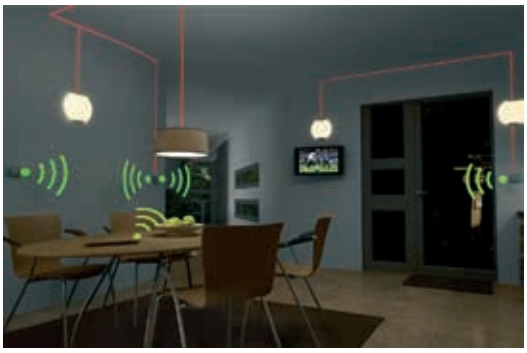
Create lighting scenarios to change the lighting atmosphere instantly in different rooms: for watching TV, cooking, etc.

- Replace the existing switches by Unica Wireless combined modules.

If necessary, add mobile socket outlets to connect standard lamps, table lamps, etc.

- Add a battery-powered push-button with the symbols corresponding to the various scenarios.
- Link them by simple programming.

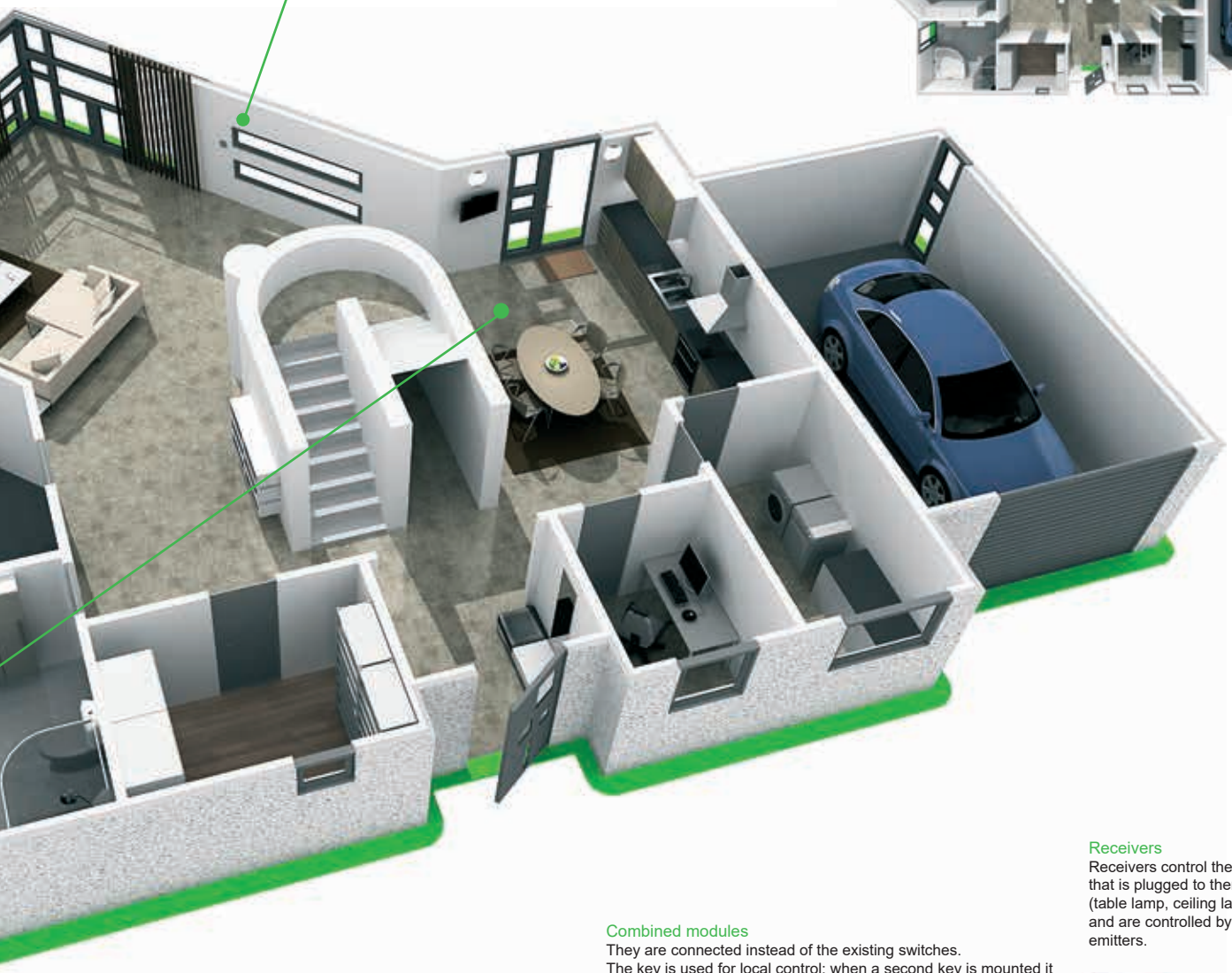




Scenario 4: Control the lighting and roller-blinds in each room

Control the lighting and roller blinds in each room by grouping all the controls together in one place and duplicating them on a remote control.

- Replace the existing switches (light, blinds) by wireless combined modules.
- Stick battery-powered push-buttons in convenient places.
- Add a remote control containing the main functions.
- Link them by simple programming.

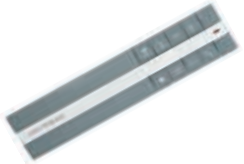


Emitters

Emitters are battery-operated and can be screwed or stuck wherever you wish to add a control point, without connecting them to the mains supply.

Battery-powered push-button

Keyring remote control



Metal remote control

Universal wireless emitter

Combined modules

They are connected instead of the existing switches.
The key is used for local control; when a second key is mounted it can be used as an emitter to pilot another wireless receiver.

Combined relay or dimmer

Combined module for roller-blind

Receivers

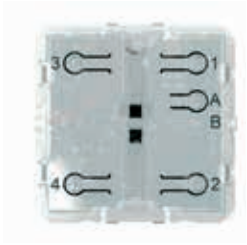
Receivers control the load that is plugged to them (table lamp, ceiling lamp, etc.) and are controlled by the emitters.

Mobile socket-outlet, relay or dimmer

Universal wireless receiver (relay)

A complete range of wireless products

Flexibility



The emitters and combined units can be 1 or 2-key units. They are supplied with a kit of rockers which allow to mount the product with 1 or 2 keys according to the requirements of the application.

The icons are removable and can be easily replaced to match the function of the product.

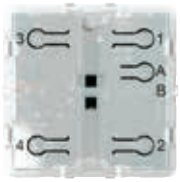
Simplified programming

Emitters and receivers are linked by simple
mming.

Battery-powered push-button Combined module

The rockers can be removed to access the programming keys.

To link wireless products, simply:
- Press the «A» key on the emitter.
- Press the pole (1, 2, etc.) on each emitter.
- Press the «A» key on the receivers.
- Finally, press the «A» key on one of the products.



Personalize

The wireless products are available in 4 different finishings:
- White or Ivory for Unica Basic, Unica Colors and Unica Plus.
- Aluminium or Graphite for Unica Top and Unica Class.

A range designed to be integrated into Unica

The Unica wireless products can be used with Unica Basic, Unica Colors, Unica Plus and Unica Top cover frames for a perfect matching with your home.

Integration of an emitter:
- The emitter is supplied with a flat integrated fixing frame.
- It can be easily glued or screwed on any type of wall.

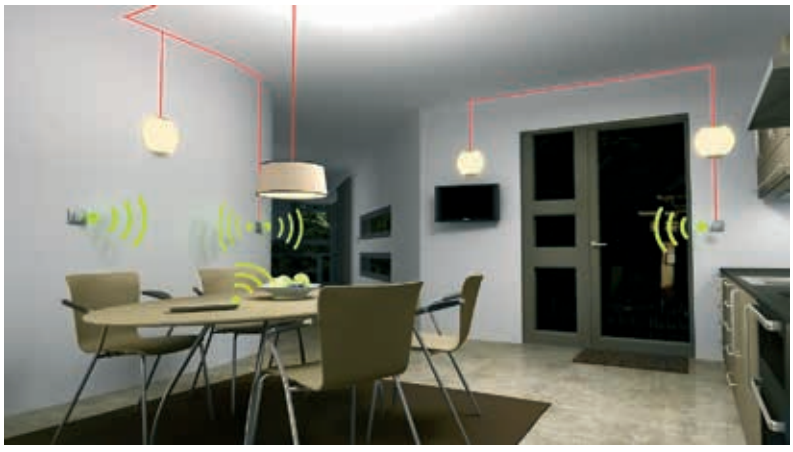
1 emitter 1 cover frame 1 Unica wireless solution

Integration of a combined module:

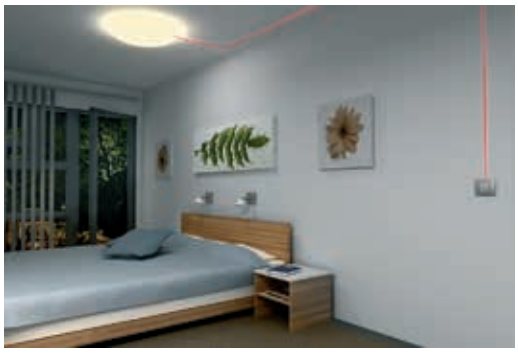
1 fixing frame 1 combined module 1 cover frame 1 Unica wireless solution

Technical advantages

- Unica Wireless products have an outdoor range of 300 m and an indoor range of 10 to 50 m. For battery-powered products, the wireless technology link has been optimised to extend the life of the battery (5 to 7 years, depending on its use).
- There are two possible programming modes:
  - The Control mode is used to set up a link between emitters and receivers for simple control function (on, off, dim).
  - The Scenario mode allows you to link with a particular button the lighting atmospheres you have created.
- The kit of rockers supplied permits to have 1 or 2 keys, depending on the application. It is also a good way to start with a simple application (one key) and then upgrade to a more sophisticated application, by simply moounting 2 keys.
- The symbols on the rockers can be easily removed and replaced.
- The programming is not lost when you change the battery (or during a mains power failure).



Add switches for more comfort



Initial situation

In the bedroom, the ceiling lamp is controlled by a single switch.

Requirement

Add switches to control the lighting from the head of the bed.

The conventional solution

Create a wired two-way switch.

The disadvantages

- Wires, cables and shields have to be drawn through the wall.
- Dust and damaged walls.
- Lengthy, tedious and expensive work.
  - Cabling has to be installed (wires, cable, shield).
  - Cabling has to be changed.

The Unica Wireless solution

- Replace the existing switch by an Unica Wireless combined module.
- Stick two battery-powered emitters onto the wall beside the bed.
- Link them, using the programming system.

The advantages

- Quick and easy to install.
- No damage.
- Most affordable solution.

Optional functions

- Use a combined dimmer to add the «dimming» function.
- Add a remote control.
- Control bedside lamps from the main switch, by adding a mobile socket outlet.

1 

2 

Unica Wireless products to be used

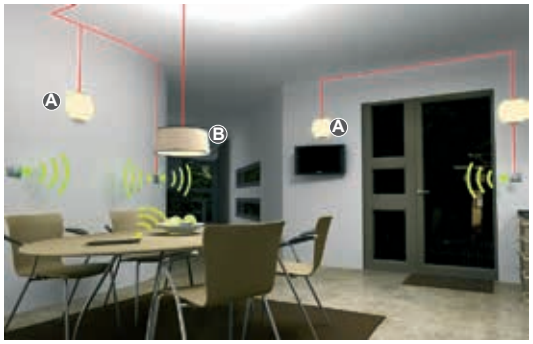
Descriptions	References
1 - Combined module (relay or dimmer)	**MGU3.572.XX** **MGU3.573.XX**
2 - Battery-powered push-buttons (Unica Colors and Unica Basic) Battery-powered push-buttons (Unica Top and Unica Plus) Battery-powered push-buttons (Unica Class)	**MGU84.071.XX** **MGU86.071.XX** **MGU88.071.XX**

Initial situation

Each light has its own mechanical switch.

Requirement

Create scenarios to control the lighting atmosphere at the touch of a single button.



Scenario 1

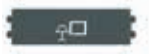
«cooking»

A program that can be set to switch on the kitchen and dining lighting at the same time:

A- the kitchen wall light is set to 100%
B- the dinner table ceiling light is set to 100%

Scenario 2

«watching television»



A program that can be set to adapt the lighting for watching television:

A- the kitchen wall light is set to 30%
B- the dinner table ceiling light is set to 40%

Battery-powered push-buttons with set of symbold for scenarios

Scenario 3

«coming home»

A program that can be set to switch on the various lights that have been preset for when you arrive home.

Note: the scenario should always include a function that switches off all the lights.

Scenario 4

«going out/all lights off»

A program that can be set to switch off all the lights.

Optional functions

- Add a remote control.
- Add the roller blind control to a scenario.

Unica Wireless products to be used

Descriptions	References
1 - Battery-powered push-buttons (Unica Colors and Unica Basic) Battery-powered push-buttons (Unica Top and Unica Plus) Battery-powered push-buttons (Unica Class)	**MGU84.071.XX** **MGU86.071.XX** **MGU88.071.XX**
2 - Mobile socket-outlet	**CCT1A0XX**
3 - Combined modules	**MGU3.572.XX** **MGU3.573.XX**
4 - Set of symbols for scenarios	**MGU0.570.XX**
5 - Metal remote control	**CCT1A000**

Centralised roller blind control

Initial situation

Each electric blind has its own individual control. You have to go from one blind to another to close them.

Requirement

Open or close all the roller blinds with just one button.

The conventional solution

Create a wired centralised control system.

The disadvantages

- Wires, cables and shields have to be drawn through the wall.
- Dust and damaged walls.
- Lengthy, tedious and expensive work.
- Cabling has to be installed (wires, cable, shield).

The Unica Wireless solution

- Replace each individual roller blind control by an Unica Wireless roller blind module.
- Stick an Unica Wireless push-button in the required position, for centralised control.
- Link them, using the simplified programming system.

The advantages

- Simple, quick and less expensive to install.
- No damage.
- One of the wireless modules for roller blinds can be used as the centralised control (using the second key).

Optional functions

Add a remote control.

1

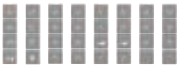
2

3

Unica Wireless products to be used

Descriptions	References
1 - Battery-powered push-buttons (Basic and Colors) Battery-powered push-buttons (Plus and Top) Battery-powered push-buttons (Unica Class)	**MGU84.071.XX** **MGU86.071.XX** **MGU88.071.XX**
2 - Combined module for roller blinds	**MGU3.574.XX**
3 - Metal remote control	**CCT1A000**

Unica Wireless range

Product type	Description	Notes	Reference	Rockers supplied
Emitters				
	Battery-powered push-button	The push-button can control receivers for both light and/or roller blinds. It can be mounted with one or two keys using the kit of rockers supplied. Can be screwed or stuck; no connection required. Supplied with a 3 V battery.	**MGU84.071.XX** (Unica Colors & Basic) **MGU86.071.XX** (Unica Top & Plus) **MGU88.071.XX** (Unica Class)	
	Universal emitter	The universal emitter transforms any conventional push-button into a wireless emitter. Can be fitted in the flush-mounted boxes behind the push-buttons. Supplied with a 3 V battery. Can control receivers for both light and/or roller blinds.	**CCT1A030**	
	Metal remote control	8 keys that can be programmed in simple or scenario mode. Sleek design and elegant aesthetic. Supplied with batteries and 32 symbols.	**CCT1A000**	
	Keyring remote control	4 keys to program in simple or scenario mode. Convenient design to be used as a keyring or to be placed in the pocket.	**CCT1A010**	
Combined modules (emitters-receivers)				
	Combined module relay (with neutral)	Relay, with neutral, max. 10 A / 2300 W. Can replace an existing switch in a box, minimum 40 mm. Can be fitted with one or two keys, using the kit of rockers supplied. When only one rocker is mounted, it pilots the local load. When a second rocker is mounted, it can pilot remotely other wireless receivers.	**MGU3.572.XX**	
	Combined module dimmer	Universal dimmer **(1)**, without neutral, 20-315 W. Can replace an existing switch in a box, minimum 40 mm. When only one rocker is mounted, it pilots the local load. When a second rocker is mounted, it can pilot remotely other wireless receivers.	**MGU3.573.XX**	
	Combined module roller blind	Relay for roller blinds, max. 3 A / 690 W. Can replace an existing mechanical command for roller-blind. To be installed in a box, minimum 40 mm. Can be fitted with one or two keys using the kit of rockers supplied. When only one rocker is mounted, it pilots the local roller-blind. When a second rocker is mounted, it can pilot remotely other wireless receivers.	**MGU3.574.XX**	

(1) Universal: controls the main types of lamps with dimmable lighting; with auto-detection of the type of lamp.

Unica Wireless range

Product type	Description	Notes	Reference
Receivers			
	Mobile socket-outlet relay German standard	Relay, max. 10 A. Plugs into a fixed socket. With a key for local control (ON/OFF)	**CCT1A020**
	Mobile socket-outlet dimmer German standard	Universal dimmer (1), max. 250 W. Plugs into a schuko fixed socket. With a key for local control (ON/OFF/dimming)	**CCT1A021**
	Mobile socket-outlet relay French standard	Relay, max. 10 A. Plugs into a french fixed socket. With a key for local control (ON/OFF)	**CCT1A022**
	Mobile socket-outlet dimmer French standard	Universal dimmer **(1)**, max. 250 W. Plugs into a french fixed socket. With a key for local control (ON/OFF/dimming)	**CCT1A023**
	Universal receiver relay	Receiver relay, max. 10 A. To be hidden mounted (in a box, minimum 40 mm) or in a false-ceiling.	**CCT1A031**
Accessories			
	Test kit	Two identical products to test the signal strengh between two locations. The led indicates the reception level: green, orange, red. Supplied in a mini-suitcase.	**CCT1A090**

(1) Universal: controls the main types of lamps with dimmable lighting; with auto-detection of the type of lamp.



MGU84.071.18

Emitters

Battery powered push-button

Colour	For Unica Top cover frames	For Unica Class cover frames
white	MGU86.071.18	MGU88.071.18
alu	MGU86.071.30	MGU88.071.30
graphite	MGU86.071.12	MGU88.071.12

- Can control wireless receivers for light and/or roller blinds
- Supplied with a lithium battery, 1 large rocker, 2 narrow rockers and a set of symbols
- Flat fixing frame integrated to the product

Combined modules

Combined relay (on/off)



MGU3.572.18

Colour	With neutral
white	MGU3.572.18
alu	MGU3.572.30
graphite	MGU3.572.12

- Supplied with 1 large rocker and 2 narrow rockers
- Wireless receiver and emitter in one single product

Combined dimmer



MGU3.573.18

Colour	Without neutral
white	MGU3.573.18
alu	MGU3.573.30
graphite	MGU3.573.12

- Supplied with 1 large rocker and 2 narrow rockers
- Wireless receiver and emitter in one single product

Combined roller blind



MGU3.574.18

Colour	With neutral
white	MGU3.574.18
alu	MGU3.574.30
graphite	MGU3.574.12

- Supplied with 1 large rocker and 2 narrow rockers
- Wireless receiver and emitter in one single product


CCT1A020


CCT1A022


CCT1A021


CCT1A023

Receivers

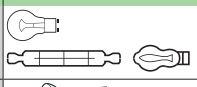
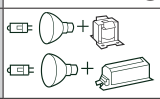
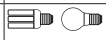
Mobile socket-outlets relay (on/off)

Colour	German type mobile socket-outlet	French type mobile socket-outlet
☐ white	**CCT1A020**	**CCT1A022**
	With one key for local control (switch)	

Mobile socket-outlets dimmer

Colour	German type mobile socket-outlet	French type mobile socket-outlet
☐ white	**CCT1A021**	**CCT1A023**
	With one key for local control (dimmer)	

Mobile socket-outlets load table

CCT1A020 CCT1A022	CCT1A021 CCT1A023	Loads	
2300 W	250 W		230 V AC incandescent lamps and halogen lamps
1840 VA	250 VA		230/12 V AC halogen lamps with ferromagnetic transformer (non toroidal) or with electronic transformer
1840 VA cos φ ≥ 0,9			230 V AC fluorescent tubes Φ 28 or Φ 38 mm (100 µF)
1840 VA			230 V AC compact fluorescent lamps
1840 W			230 V AC LED lamps
1380 W			230 V AC motors, ventilators

Remote controls

Metal remote control



CCT1A000

	8 keys to be customized
	
Colour	
■ dark grey	**CCT1A000**
	● Can control lights or/and roller blinds ● 8 keys to program in simple mode and scenario mode ● Supplied with 2 AAA batteries and 32 symbols

Keyring remote control


CCT1A010

	4 keys
	
Colour	
■ dark grey	**CCT1A010**
	● 4 keys to control lights and/or roller blinds ● Convenient design to be used as a keyring or to be placed in a pocket ● Supplied with Lithium CR2032 batteries

Complementary offer

Universal modules


CCT1A030

	Universal emitter
	
Colour	
□ white	**CCT1A030**
	● Converts mechanical push-button into a wireless emitter ● 4 RF channels ● Supplied with a lithium battery ● Never use switches, only push-buttons
	Universal receiver relay
	
Colour	
■ grey	**CCT1A031**
	● Flush mounted or hidden in the ceiling ● Light: 10 A max. ● Engine: 3 A max.


CCT1A031

Test kit



CCT1A090

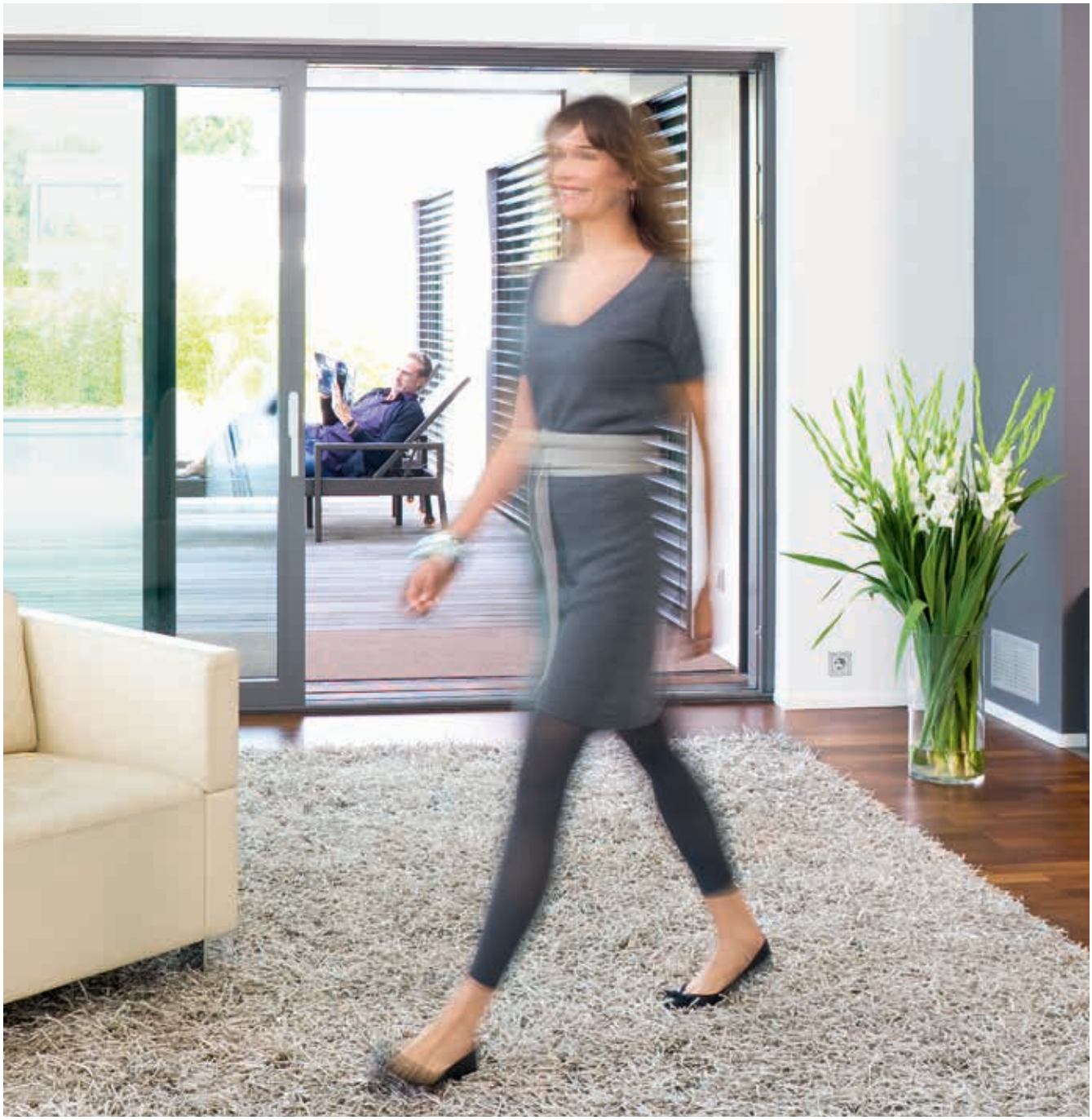
	RF signal tester
	
Colour	
■ dark grey	**CCT1A090**
	Kit content : 2 testers to check the quality of the RF signal transmission between two product locations

Accessories


MGU0.570.18

	Set of scenario symbols
Colour	
□ white	**MGU0.570.18**
■ alu	**MGU0.570.30**
■ graphite	**MGU0.570.12**
	Set content: 2x cooking, 2x diner, 2x little light, 2x much light, 2x at home, 2x leaving home, 2x TV, 2x empty.

Unica for KNX system



Greater flexibility and comfort, better energy efficiency with KNX

More and more electronic appliances are needed for modern comfortable homes that contain everything from computers to home cinemas. Does this mean simply increase electricity consumption despite rising energy costs?
A better, faster, cheaper and cleaner solution is to use energy more efficiently. This is not only better for the environment but for your wallet too.

Intelligent and good looking home

Reading in your favourite armchair in the evening, watching TV on the sofa or dining with family or friends is all the more comfortable if you don't have to get up to switch each light, lamp or thermostat on or off individually.
By setting up individual scenes – for instance using a Unica multi-function push-button – you can combine a wide range of different functions. Once a scene has been created, it can be started at the push of a button – to create a suitable light mood when watching TV or reading for instance or when leaving the house in the morning. If, when doing so, you want the blinds to be raised, the lights switched off and heating turned down, you can activate the «Not at home» scene and all functions will be executed automatically.

Push-button
• Can be used to control lights or roller blinds.
• The system can be used to control lights and roller blinds according to the sunlight when coupled with a sensor.

IR push-button
• Can be used to control lights or roller blinds.
• Can be controlled by KNX IR remote control.

Automatic lighting control
• Can activate roller blinds or lights
• The system can be used to control lights and roller blinds according to movement detection in corridors, staircases.

Individual heating control
• Presence-dependent room heating.
• Heat is supplied automatically at the exact time required and individually via controllable room temperature control units. No need to turn the radiators up and down manually. Don't worry: if you forget to do it, the KNX system will remember to do it for you.

Interested by the intelligent system? See KNX catalog

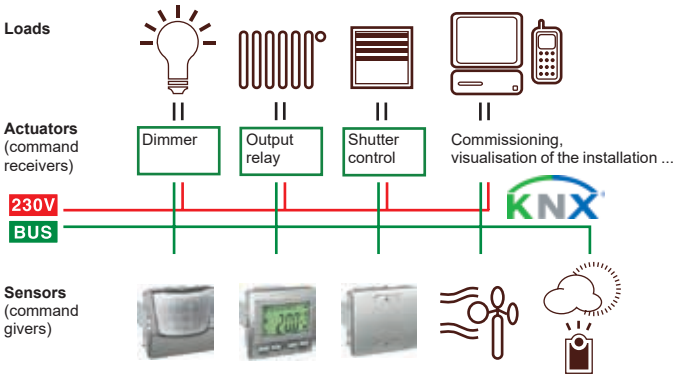
Product type	Description	Notes	Range	Colour	Reference
	Push-button, 2 buttons and 2 blue status LEDs, with screwless bus connecting terminals	The status LED is located under the symbol window which can be taken off.	Class, Top	aluminium	**MGU3.530.30**
				graphite	**MGU3.530.12**
			Plus, Colors, Basic	white	**MGU3.530.18**
				ivory	**MGU3.530.25**
	Push-button, 4 buttons and 4 blue status LEDs, with screwless bus connecting terminals	The status LED is located under the symbol window which can be taken off.	Class, Top	aluminium	**MGU3.531.30**
				graphite	**MGU3.531.12**
			Plus, Colors, Basic	white	**MGU3.531.18**
				ivory	**MGU3.531.25**
	Push-button, 2 buttons, blue status LED and Infra Red (IR) receiver, with screwless bus connecting terminals	The status LED is located under the symbol window which can be taken off. The functions of each of the button can be triggered using an IR remote control. The push-button is pre-programmed for operation with a Schneider Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.	Class, Top	aluminium	**MGU3.532.30**
				graphite	**MGU3.532.12**
			Plus, Colors, Basic	white	**MGU3.532.18**
				ivory	**MGU3.532.25**
	Infra Red (IR) remote control for IR push-button receiver		Class, Top, Plus, Colors, Basic	black	**MTN570222**
	Movement detector		Class, Top	aluminium	**MGU3.533.30**
				graphite	**MGU3.533.12**
			Plus, Colors, Basic	white	**MGU3.533.18**
				ivory	**MGU3.533.25**
	Room temperature control unit		Class, Top	aluminium	**MGU3.534.30**
				graphite	**MGU3.534.12**
			Plus, Colors, Basic	white	**MGU3.534.18**
				ivory	**MGU3.534.25**

Introduction

The following Unica control devices have to be connected to KNX bus line.

The KNX bus line is laid in parallel to the 230 V power supply.

When Unica sensor is activated (for example, a push-button), an actuator (e.g. the roller shutter control) will carry out all the switching commands required.



Controls

Push-buttons

MGU3.530.18

MGU3.531.18

	2 buttons and 2 blue status LEDs, with screwless bus connecting terminals	4 buttons and 4 blue status LEDs, with screwless bus connecting terminals
Colour	2 modules	2 modules
white	**MGU3.530.18**	**MGU3.531.18**
aluminium	**MGU3.530.30**	**MGU3.531.30**
graphite	**MGU3.530.12**	**MGU3.531.12**
	● The status LED is located under the symbol window which can be taken off. ● With integrated bus coupler. The bus is connected using a bus connecting terminal. **Contents:** ● With set of 10 symbols: ○ 2x symbol with light opening, ○ 1x symbol “1”, ○ 1x symbol “0”, ○ 2x symbol for dimming, ○ 2x symbol for shutter, ○ 2x symbol (neutral). ● With bus connecting terminal.	● The status LED is located under the symbol window which can be taken off. ● With integrated bus coupler. The bus is connected using a bus connecting terminal. **Contents:** ● With set of 20 symbols: ○ 4x symbol with light opening, ○ 2x symbol “1”, ○ 2x symbol “0”, ○ 4x symbol for dimming, ○ 4x symbol for shutter, ○ 4x symbol (neutral). ● With bus connecting terminal.
	KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.	

MGU3.532.18

	2 buttons, blue status LED and Infra Red (IR) receiver, with screwless bus connecting terminals
Colour	2 modules
white	**MGU3.532.18**
aluminium	**MGU3.532.30**
graphite	**MGU3.532.12**
	● The status LED is located under the symbol window which can be taken off. The functions of each of the button can be triggered using an IR remote control. The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons. ● With integrated bus coupler. The bus is connected using a bus connecting terminal. ● Transmitter: IR remote control Distance, ref. MTN570222. ● Contents: With bus connecting terminal.
	KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

MTN570222

	Infra Red (IR) remote control for IR push-button receiver
Colour	
black	**MTN570222**
	● 10-channel IR remote control ● Battery: 2 microcells (IEC LR 03, AAA) ● Range: up to 20 m ● Contents: without battery.

Comfort controls

MGU3.533.18

	Movement detector, with screwless bus connecting terminals
Colour	2 modules
white	**MGU3.533.18**
aluminium	**MGU3.533.30**
graphite	**MGU3.533.12**

When a movement is detected, a data telegram defined by the programming is transmitted.
- Two movement sensors: the sensitivity and range can be set separately for each sensor
- Detection angle: 180°
- Installation height : 1 m to 2.5 m
- Detection area at 2.15 m mounting height : Approx. 9 m on all sides, adjustable in 10 steps (rotary switch or ETS)
- Detection brightness: Infinite setting from approx. 10 lux to approx.1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS)
- Overshoot time: Adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS)
- EC guidelines: Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC
- With bus connecting terminal. The bus is connected using a bus connecting terminal.

KNX software functions: 5 movement blocks: up to 4 functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

MGU3.534.18

	Room temperature control unit, with screwless bus connecting terminals
Colour	2 modules
white	**MGU3.534.18**
aluminium	**MGU3.534.30**
graphite	**MGU3.534.12**

- With display and 4 buttons
- 2-step control, continuous PI controller, switching PI controller (PWM)
- Output: continuous in the range 0 to 100% or switching On/Off
- Controller mode:
  - Heating with one controller output
  - Cooling with one controller output
  - Heating and cooling with separate controller outputs
  - Heating and cooling with one controller output
  - 2-step heating with 2 control outputs
  - 2-step cooling with 2 control outputs
  - 2-step heating and cooling with 4 control outputs
- Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM. With bus connecting terminal. The bus is connected using a bus connecting terminal.

For more information on functions and products in association with KNX, go to Schneider Electric KNX catalogue.

Outer plates

Characteristics
- Standard: EN 60669-1
- Degrees of protection: IK 01/IP 20

Unica Plus

			White	Ivory	Champagne	Sand	Cacao	Mist grey
								
Type	A		MGU6.602.18	MGU6.602.25	MGU6.602.824	MGU6.602.867	MGU6.602.871	MGU6.602.865
	A2		MGU6.402.18	MGU6.402.25	MGU6.402.824	MGU6.402.867	MGU6.402.871	MGU6.402.865
	B		MGU6.604.18	MGU6.604.25	MGU6.604.824	MGU6.604.867	MGU6.604.871	MGU6.604.865
	C		MGU6.002.18BS	MGU6.002.25BS	MGU6.002.824BS	MGU6.002.867BS	MGU6.002.871BS	MGU6.002.865BS

			Terracotta	Bright chrome/ white	Gold
					
Type	A		MGU6.602.851	MGU66.602.810	MGU66.602.804
	A2		MGU6.402.851	MGU66.402.810	MGU66.402.804
	B		MGU6.604.851	MGU66.604.810	MGU66.604.804
	C		MGU6.002.851BS	MGU66.002.810BS	MGU66.002.804BS

Unica Top

			White	Matt chrome	Matt nickel	Rhodium black	Metal grey	Bright chrome/ white
								
Type	A		MGU66.602.92	MGU66.602.38	MGU66.602.39	MGU66.602.93	MGU66.602.97	MGU66.602.210
	A2		MGU66.402.92	MGU66.402.38	MGU66.402.39	MGU66.402.93	MGU66.402.97	MGU66.402.210
	B		MGU66.604.92	MGU66.604.38	MGU66.604.39	MGU66.604.93	MGU66.604.97	MGU66.604.210
	C		MGU66.002.92BS	MGU66.002.38BS	MGU66.002.39BS	MGU66.002.93BS	MGU66.002.97BS	MGU66.002.210BS

Unica Class

			White glass	Ice aluminium	Black mirror	Natural slate	Wengue	Tobacco
								
Type	A		MGU68.602.7C2	MGU68.602.7A1	MGU68.602.7C1	MGU68.602.7Z1	MGU68.602.7M3	MGU68.602.7M4
	A2		MGU68.402.7C2	MGU68.402.7A1	MGU68.402.7C1	MGU68.402.7Z1	MGU68.402.7M3	MGU68.402.7M4
	B		MGU68.604.7C2	MGU68.604.7A1	MGU68.604.7C1	MGU68.604.7Z1	MGU68.604.7M3	MGU68.604.7M4
	C	 (availability: Q4 2016)	MGU68.002.7C2BS	MGU68.002.7A1BS	MGU68.002.7C1BS	MGU68.002.7Z1BS	MGU68.002.7M3BS	MGU68.002.7M4BS

Fixing frame

Universal fixing frame for modular functions
MGU7.002.PBS
Standard: EN 60669-1

MGU7.002.PBS

Type	
A	1 gang socket-outlets, fuse connection units
A2	Switches and Do not disturb & Clean up panel
B	Twin gang functions
C	Modular functions & Control unit

Inserts + fixing frames

International socket-outlets 59
Do not disturb and Clean up room switches 59

Modular functions

Switches and push-buttons 60
Rotary electronic dimmer switches 64
Push-button dimmer switches 67
Movement and presence detectors 68
Thermostats 72
Weekly-programmable thermostats 75
Time-delay switches 76
Weekly programmable timers 77
Weatherstations 78
Wake up clocks 79
Key card switches 81
Technical alarms 82
Socket-outlets 83
RJ45 data sockets 84
TV/FM/SAT sockets 93
Telephone sockets 95
Indicator lamps 96
Buzzers 97
Electronic bells 98
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Wireless functions

Battery powered push-buttons 101
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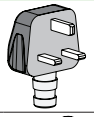
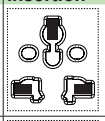
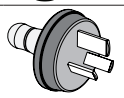
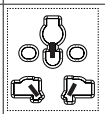
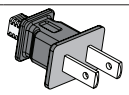
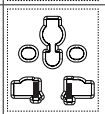
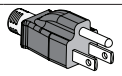
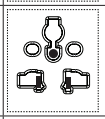
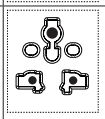
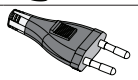
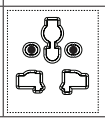
International socket-outlet MGU5.049.XX
Do not disturb and Clean up room switches MGU5.217.XX

International socket-outlet

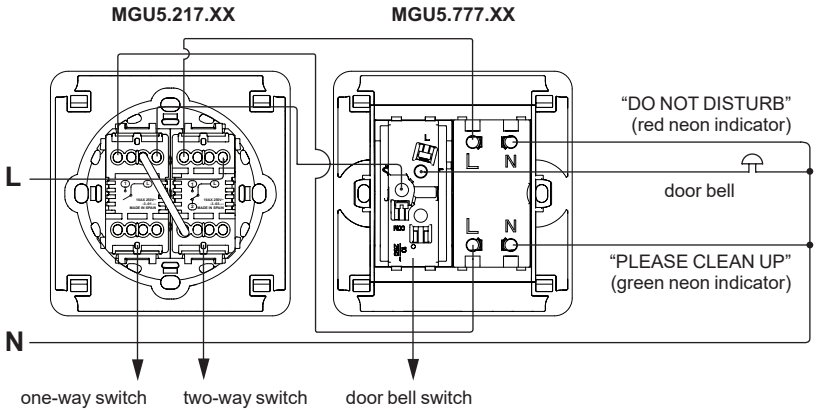
Compatible plugs

Plug type	Corresponding insertion	Rating
3-pin plug (BS) 		13 A - 230 V
3-pin China plug 		10 A - 220 V
2-pin China plug 		10 A - 220 V
3-pin Thailand plug 		16 A - 220 V
3-pin India plug 		6 A - 230 V
2-pin plug (Euro) 		2.5 A - 230 V

Do not disturb and Clean up room switches

Wiring diagram

This product should be used together with Control unit 10 AX – 250 V AC (MGU5.217.XX)



Area of application

Switches and selector switches

● Control (On/Off) of circuits with resistive loads, inductive loads and small motors (lighting with incandescent and fluorescent lamps and transformers, fans, vacuum cleaners, power socket control, etc.).
● Control devices with a locator or indicator lamp include a LED lamp connected inside. These devices are available in 2 versions:
○ items with a blue locator lamp, for night-time identification in reduced light conditions or complete darkness, for example corridors, stairways, etc. (ref. finishes in N). In this case, the lamp indicates that the load is connected but on standby: when the load is in operation, the lamp is off
○ items with an amber indicator lamp for indication of load in operation (ref. finishes in S). The lamp indicates that the load is in operation

Push-buttons

● Control of bells and sound in general.
● Auxiliary control of regulators, time delay relays and presence detection control switches.
● Control of impulse relays.
● Usable as controls for and other pulse-type systems.
● Push-buttons with a blue locator lamp, for night-time identification in reduced light conditions or complete darkness, for example corridors, stairways, etc. (ref. finishes in N). In this case, the lamp indicates that the load is connected but on standby: when the load is in operation, the lamp is off.

Mechanisms for roller blinds

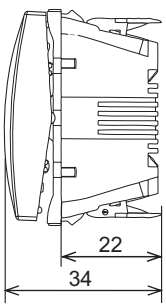
● Rated current and voltage: 10 A- 250 V AC (2.5 A motor control).
● Used to control motorized shutters, roller blinds, etc.
● These devices are available in 2 ranges:
○ switch: for direct start-up of motors without automation system (with limit stop)
○ push-button: for motor control by automation systems or with limit stop and for roller blinds equipped with an electronic control system.
● The mechanisms for roller blinds include a safety locking system and/or moving to zero on the wiring diagram, thus preventing simultaneous control in both directions.

Common technical data

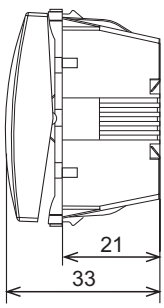
● Rated current and voltage: 10 AX 250 V AC; 16 AX 250 V AC, 20 AX and 32 A (25 AX) (also suitable for fluorescent loads).
● Materials: self-extinguishing technopolymer with excellent impact strength and halogen-free.
● All the devices and covers are resistant to cleaning products and UV radiation.
● The locator or indicator lamps are LED, already installed in the device (does not need to be connected separately) and exhibiting the following characteristics:
○ maximum current: 0.15 mA,
○ lifetime: 80 000 h,
○ maximum temperature rise: 7 °C.

Dimensions (mm)

Screwless terminals control devices
(10 A devices)



Screw terminals control devices
(10 A and 16 A devices)



Standards

● In accordance with EN 60.669-1 and to LV and EMC directives.
● Contact opening distance: > 3 mm.
● Insulation resistance: > 5 MΩ / 500 V.
● Dielectric strength: > 2000 V.
● Minimum breaking capacity:
○ 200 operations at 1.25 x In and 1.1 x Vn, where Pf (cosφ) = 0.3
○ 200 operations at 1.25 x In and Vn with tungsten filament lamps (not applicable to push-buttons).
● Minimum useful life:
○ 40,000 position changes at In and 250 V, where Pf (cosφ) = 0.6 (10 A and 16 A devices)
○ 10,000 position changes at In and 250 V where Pf (cosφ) = 0.6 (20 A and 32 A devices)
○ 10,000 position changes with fluorescent load (10 AX devices)
○ 5,000 position changes with fluorescent load (16 AX devices).
● Printing on push-buttons: indelible pad printing as per EN 60.669-1.
● Rated current for double switches is considered in the common phase (the sum of currents in both circuits) according to EN 60.669-1.
● Mechanisms for roller blinds according to EN 60.669-1 (for switches) and EN 61.058-1 (for devices) As per EN 60.669-1.

Installation

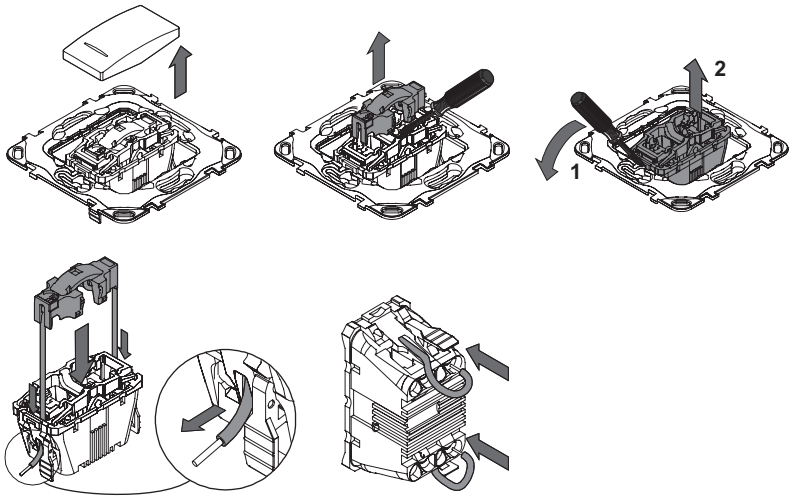
● These devices can be easily assembled and disassembled by the front panel by clipping On and Off. During assembly, a «clicking» noise informs you that the device has been placed correctly in the rack.
● Push-buttons can be customized on request using drawings produced by pad printing.

Connections

● Connection terminals:
○ for 10 A devices; screw or screwless terminals for rigid or flexible cables up to 2.5 mm²
○ for 16 A devices; screw terminals for rigid or flexible cables up to 4 mm²
○ for 32 A devices; screw terminals for rigid or flexible cables up to 6 mm².
● Colour code for quick identification of terminals in the screwless connection versions.

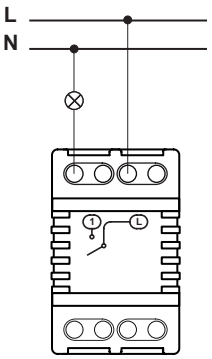
Blue locator or amber indicator lamps

Lamps replacement

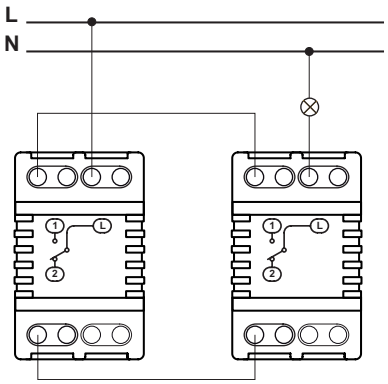


Switches and push-buttons

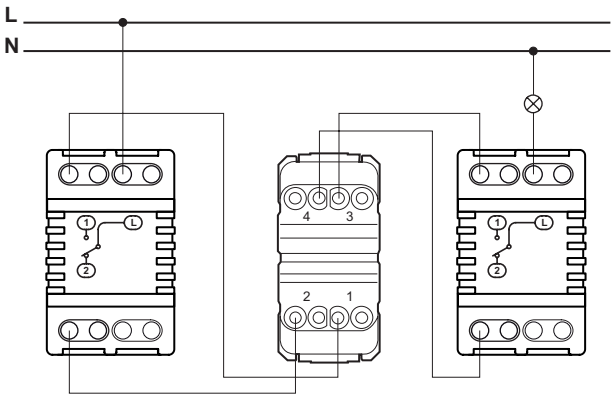
Connection examples



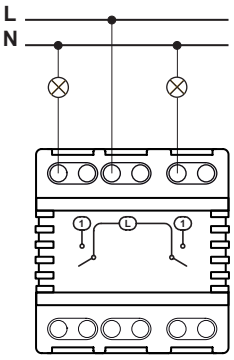
One-way switch



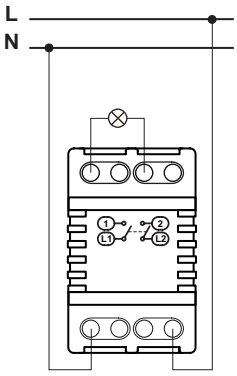
2 two-way switches



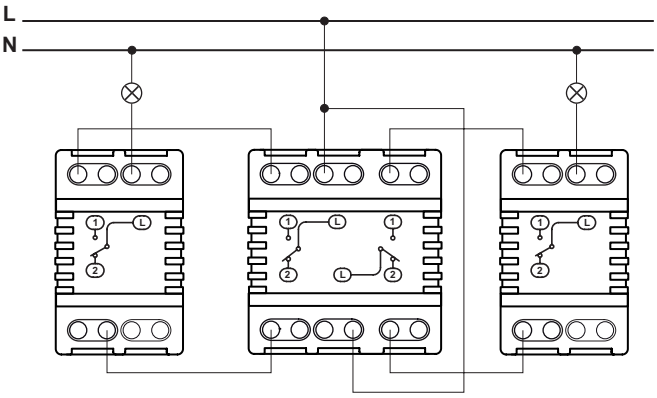
2 two-way switches + 1 intermediate switch



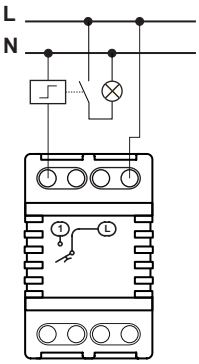
Double one-way switch



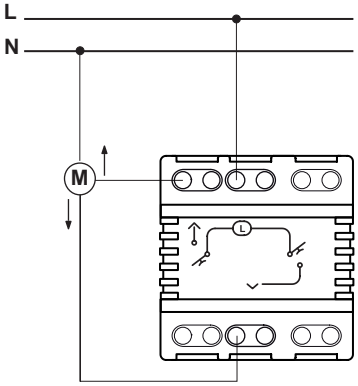
Double pole switch



2 two-way switches + 1 double two-way switch acting on two different loads



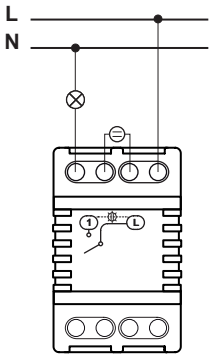
Push-button



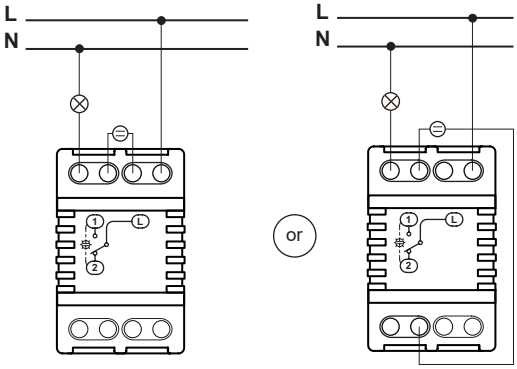
Switch or push-button for roller blinds

Switches and push-buttons with locator lamps

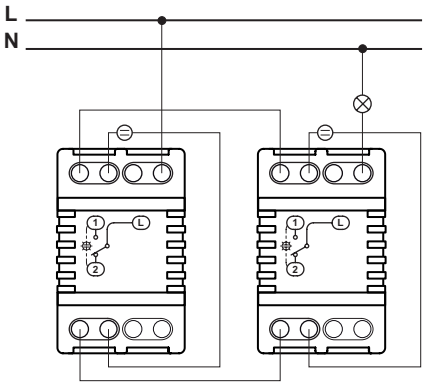
Connection examples



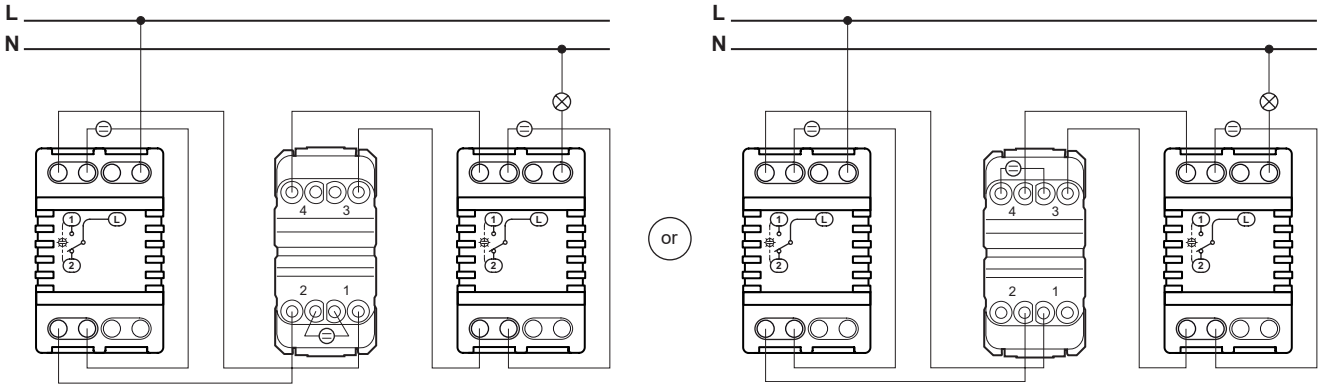
One-way switch
with locator lamp



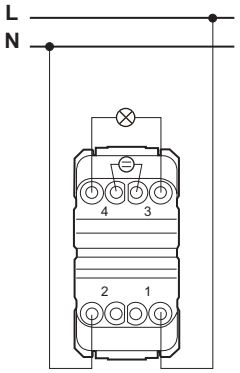
Two-way switch (used as a one-way-switch) with locator lamp



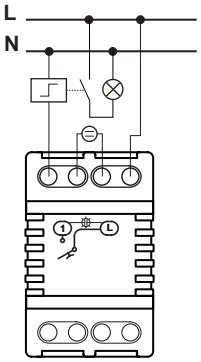
2 two-way switches with locator lamps



2 two-way switches + 1 intermediate switch with locator lamps



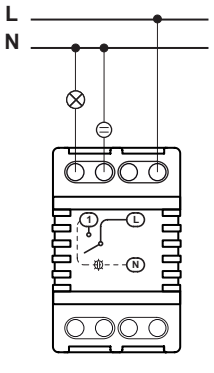
Double pole switch
with locator lamp



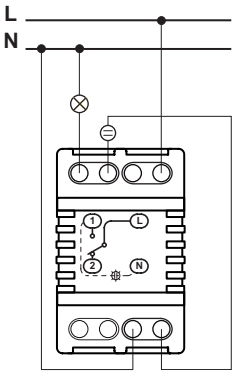
Push-button
with locator lamp

Switches and push-buttons with indicator lamps

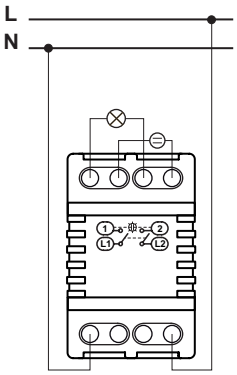
Connection examples



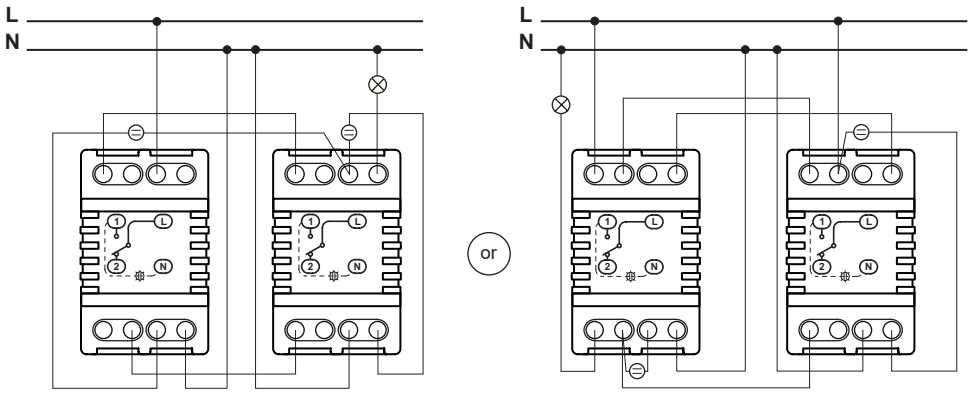
One-way with indicator lamp



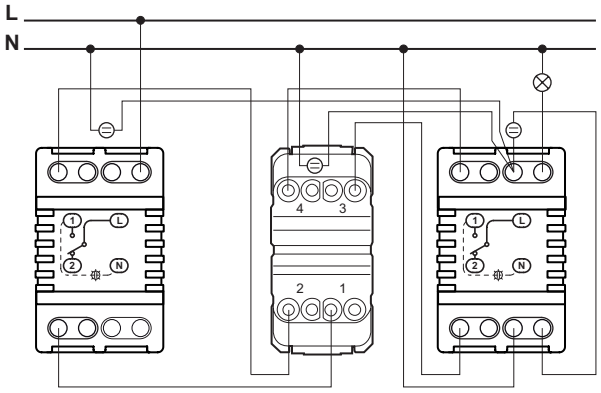
Two-way switch
(used as a one-way-switch)
with indicator lamp



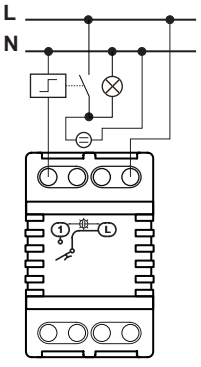
Double pole switch
with indicator lamp



2 two-way switches with indicator lamps



2 two-way switches + 1 intermediate switch with indicator lamps



Push-button
with indicator lamp

Rotary electronic dimmer switches
MGU3.510.XX – 400 VA, 1-10 V

Area of application

- Regulation of different loads (see load table) for homes and buildings.
- Suitable for renovation as it allows replacement of a switch or a selector switch by a regulator without having to change cables.
- As the regulator reduces the current supplying the load, it allows considerable energy savings.

Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- For fluorescent tubes Ø 26 and 38 mm with 1-10 V adjustable electronic ballast.
- For 10 x 1-10V ballast with 36 W fluorescent tubes or 5 x 1-10V ballast, 2 x 18 W fluorescent tubes, Ø 26 and 30 mm.
- External relay control: maximum of 50 x 1-10 V ballast.
- Fuse: 4 Ah, 230 V AC, 5 x 20 mm.
- Max. control current: 200 mA.
- Output power derating with 2 or 3 devices combining:

Configuration and number of combining devices			
			
Output power derating			
25 %	25 %	40 %	50 %

Load table

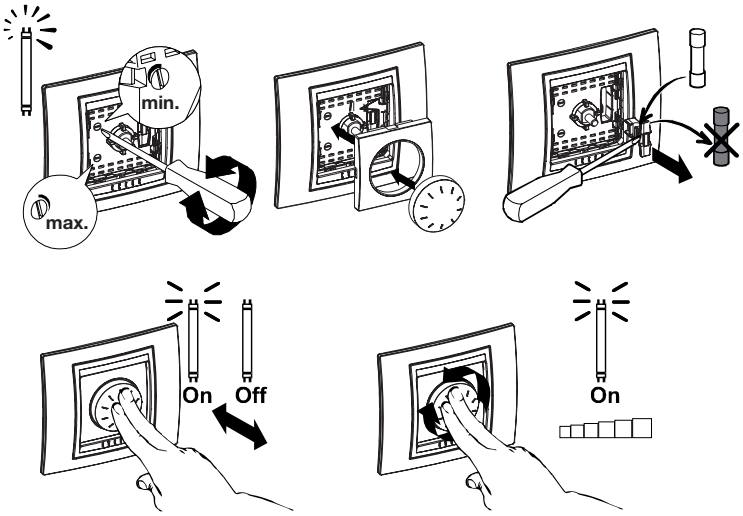
	1	2	3	4	5	6	7	8	9
25 °C 230 V 50 Hz Max. VA	NO	NO	NO	NO	NO	400	NO	NO	NO

1 - Incandescent lamps
2 - Halogen lamps
3 - Low voltage halogen lamps with ferromagnetic transformer
4 - Low voltage halogen lamps with electronic transformers
5 - Fluorescent lamps with conventional ballast
6 - Fluorescent lamps with dimmable electronic ballast (1- 10 V)
7 - Compact fluorescent lamps
8 - LED lamps
9 - Motors (single phase)

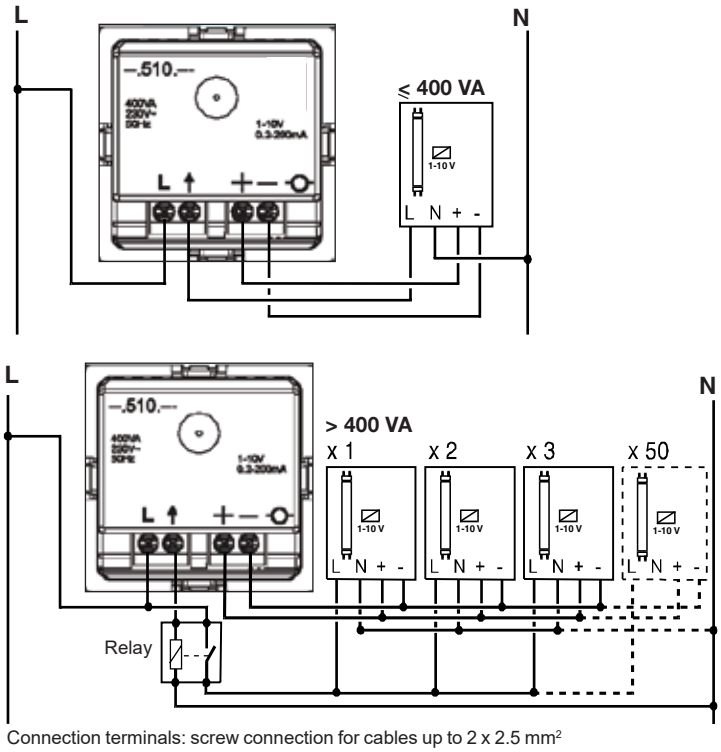
Standards

In accordance with EN 60669-2-1.

Use

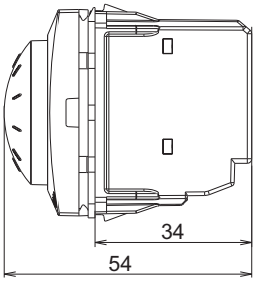


Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm²

Dimensions (mm)



Rotary electronic dimmer switches
MGU3.511.XX – 40-400 W/VA

Area of application

- Regulation of different loads (see load table) for homes and buildings.
- Suitable for renovation as it allows replacement of a switch or a two-way switch by a regulator without having to change cables.
- As the regulator reduces the current supplying the load, it allows considerable energy savings.

Technical data

- Rated voltage: 230 V AC ± 10 % 50 Hz.
- Possibility of connection with a two-way switch.
- Fuse: 4 Ah-230 V AC, 5 x 20 mm.
- Output power derating with 2 or 3 devices combining:

Configuration and number of combining devices			
			
Output power derating			
25 %	25 %	40 %	50 %

Load table

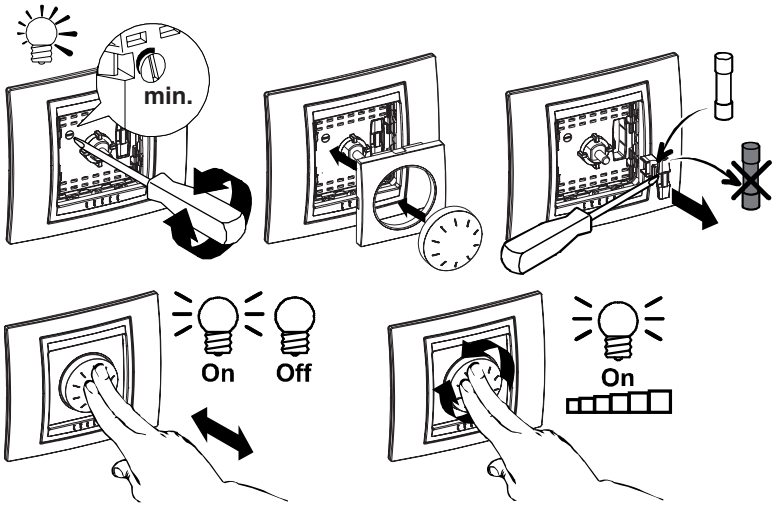
	1	2	3	4	5	6	7
25 °C 230 V 50 Hz				1-10 V			
Max. W/VA	400	400	NO	NO	NO	NO	NO
Min. W/VA	40	40					

1 - Incandescent or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer
3 - Low voltage halogen lamps with electronic transformers
4 - Fluorescent lamps with conventional ballast or with dimmable electronic ballast (1- 10 V)
5 - Compact fluorescent lamps
6 - LED lamps
7 - Motors (single phase)

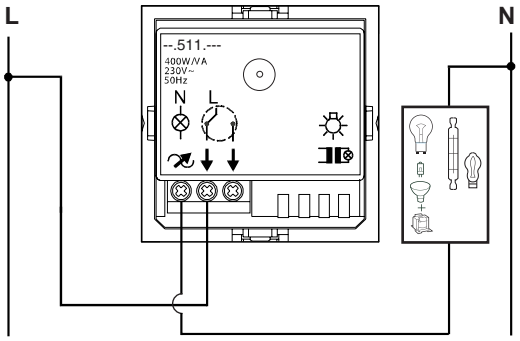
Standards

In accordance with EN 60669-2-1.

Use

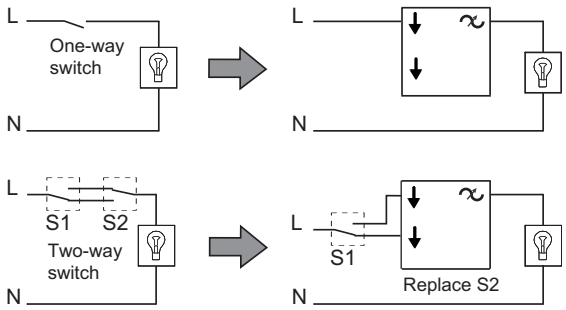


Connections

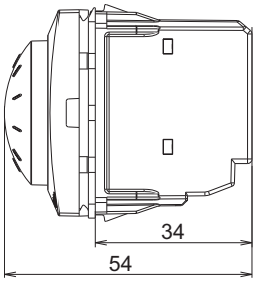


Connection terminals: screw connection for cables up to 2 x 2.5 mm²

Substitution examples



Dimensions (mm)



Rotary electronic dimmer switches
MGU3.559.XX – 40-400 W, dual voltage

Area of application

- Regulation of different loads (see load table) for homes and buildings
- Suitable for renovation as it allows replacement of a switch by a regulator without having to change cables.
- As the regulator reduces the current supplying the load, it allows considerable energy savings.

Technical data

- Rated voltage: 127/ 230 V AC, 50/60 Hz.
- Connectable as switch.
- Fuse: 4 Ah- 230 V AC, 5 x 20 mm.

2 devices in the same housing is not allowed

Load table

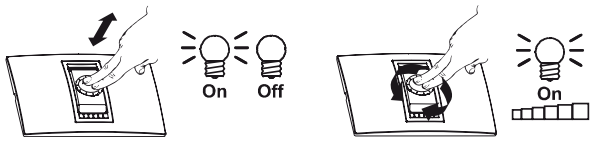
25 °C 50/60 Hz	1	2	3	4	5	6
127 V AC						
Max.	250	NO	NO	NO	NO	NO
Min.	40					
W/VA						
230 V AC						
Max.	400	NO	NO	NO	NO	NO
Min.	60					
W/VA						

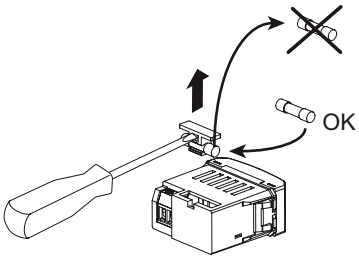
1 - Incandescent lamps or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer or with electronic transformers
3 - Fluorescent lamps with conventional ballast or with dimmable electronic ballast (1- 10 V)
4 - Compact fluorescent lamps
5 - LED lamps
6 - Motors (single phase)

Standards

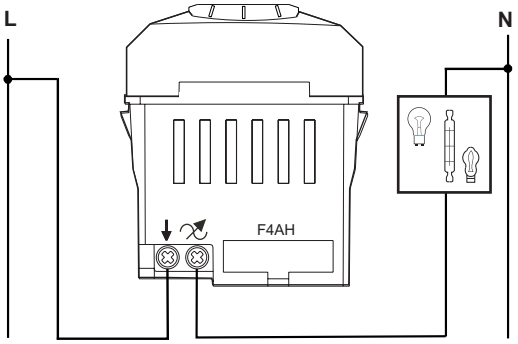
In accordance with IEC 60669-2-1, 2002-Ed.4, IEC 60669-1, 1998-Ed.3 + A1, 1999.

Use



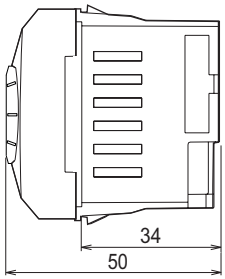


Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm².

Dimensions (mm)



Unica

Push-button dimmer switches

MGU3.515.XX – 20-350 W/VA

Area of application

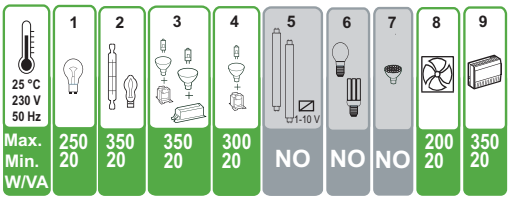
- Regulation of different loads (see load table) for homes and buildings.
- Suitable for renovation as it allows replacement of a switch or a selector switch by a regulator without having to change cables.
- As the regulator reduces the current supplying the load, it allows considerable energy savings.

Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Conventional push-buttons with or without indicator lamp can be used for on/off control and regulation of the load:
  - maximum number of push-buttons without indicator lamp: 25
  - maximum number of push-buttons with indicator lamp: 5 (1.5 A).
- Output power derating with 2 or 3 devices combining:

Configuration and number of combining devices			
			
Output power derating			
25 %	25 %	40 %	50 %

Load table

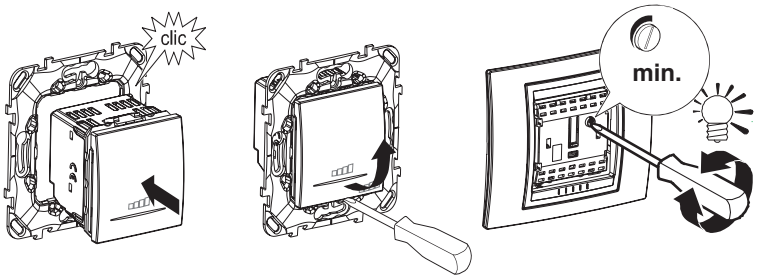


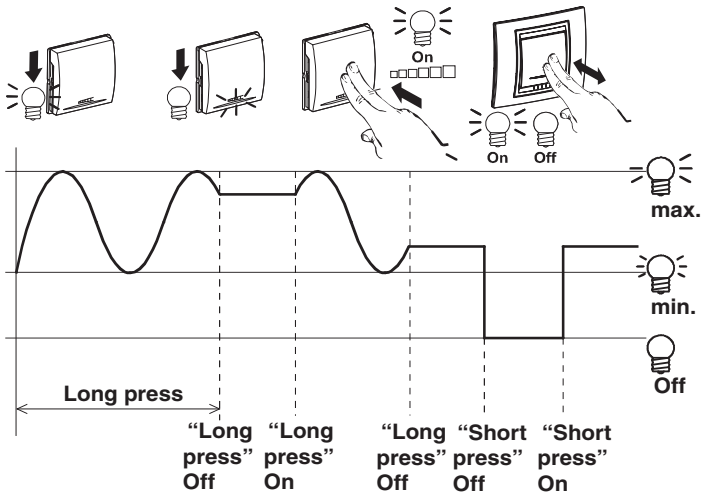
1 - Incandescent lamps
2 - Halogen lamps
3 - Low voltage halogen lamps with ferromagnetic transformer or electronic transformer
4 - Low voltage halogen lamps with toroïdal transformers
5 - Fluorescent lamps with conventional ballast or dimmable electronic ballast (1- 10 V)
6 - Compact fluorescent lamps
7 - LED lamps
8 - Ventilators
9 - Heaters

Standards

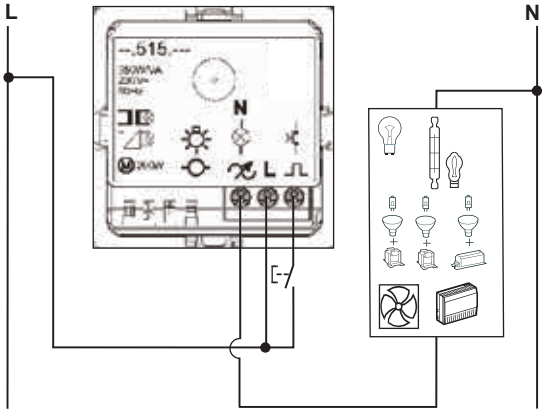
In accordance with EN 60669-2-1.

Use



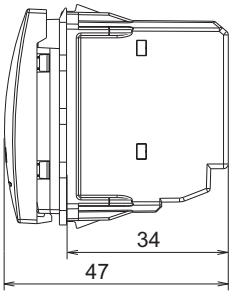


Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm²

Dimensions (mm)



Movement and presence detectors
MGU3.524.XX – 300 W

Area of application

- The movement detection control switch switches on the loads, it controls when someone passes through the area of action of the sensor.
- It is suitable for different loads (see load table).
- It can be installed indoors in flush-mounted installations and in surface-mounted boxes.
- The control switch allows considerable energy savings since the load is supplied only when people are present.

Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Movement detection area:
  - 10 x 20 m (PIR mouting height: 2.15 m)
  - 9 x 18 m (PIR mouting height: 1.2 m).
- Presence detection area:
  - 6 x 12 m (PIR mouting height: 2.15 m).
  - 5 x 10 m (PIR mouting height: 1.2 m).
- Detection angle: full 180°, partial 90° left or right.
- Selection modes:
  - Manual; the load is controlled by a push-button,
  - Automatic; the load is controlled by the detection of movement and a pre-defined luminosity threshold.
- Two detectors can be used in parallel, allowing a larger detection area coverage.
- Time delay: ajustable 2 s to 20 min.
- Luminosity threshold: ajustable 5 to 1000 lux.

Load table

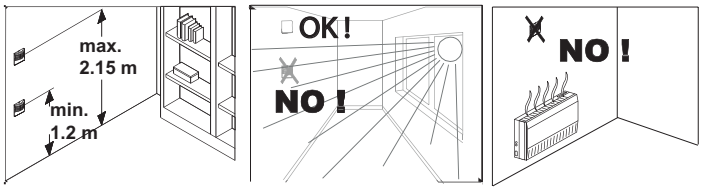
	25 °C 230 V 50 Hz	1	2	3	4	5	6	7
Max.		300	NO	NO	NO	NO	NO	NO
Min.		40						
W/VA								

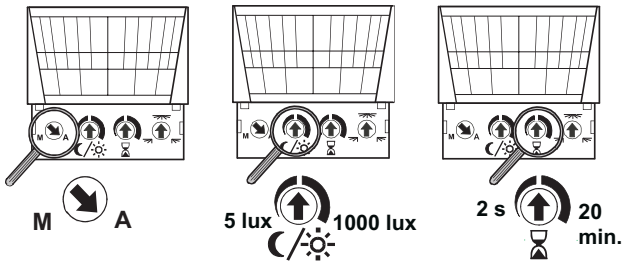
1 - Incandescent lamps, halogen lamps or heaters (Pf > 0.9)
2 - Low voltage halogen lamps with ferromagnetic or toroïdal transformer or with electronic transformer
3 - Fluorescent lamps with conventional ballast or dimmable electronic ballast (1- 10 V)
4 - Compact fluorescent lamps
5 - LED lamps
6 - Ventilators
7 - Contactors

Standards

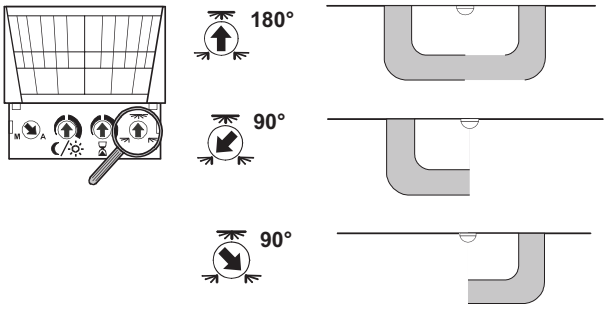
In accordance with EN 60669-2-1.

Use

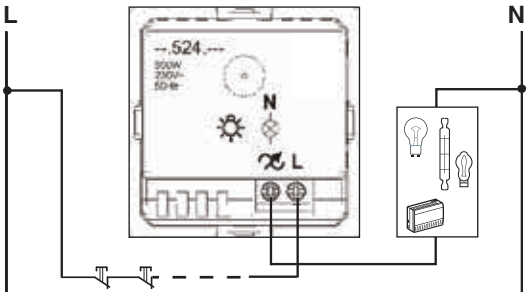




M: manual: the load is controlled by a push-button
A: automatic: the load is controlled by the detection of movement and a pre-defined luminosity threshold.

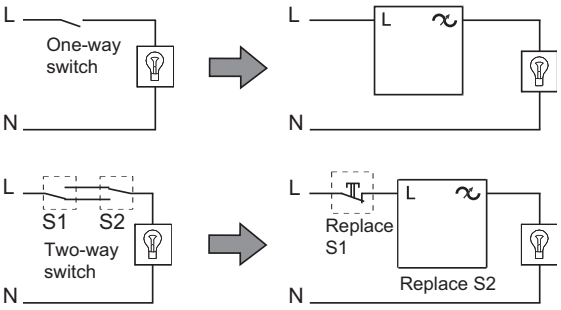


Connections



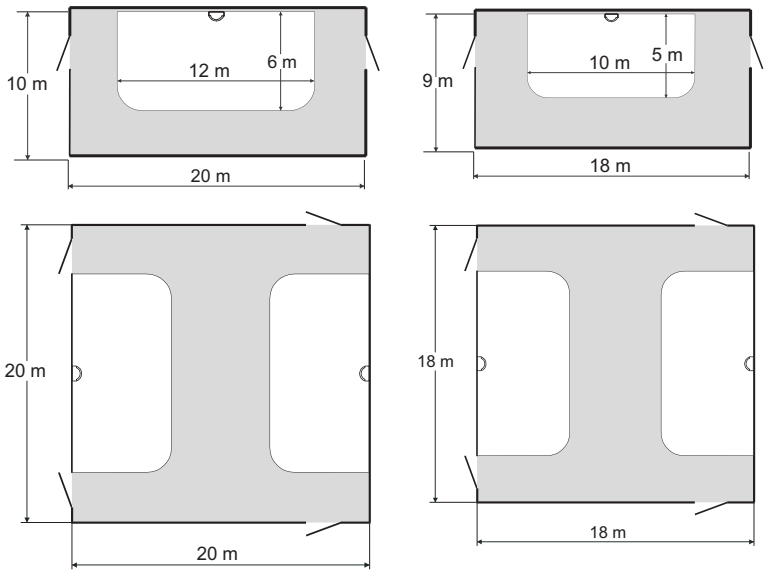
- Connection terminals: screw connection for cables up to 2 x 2.5 mm²
- Use of a maximum of 5 normally closed push-buttons, for manual override.

Substitution examples



Movement and presence detectors
MGU3.524.XX – 300 W

Detection areas



Maximum mouting height: 2.15 m

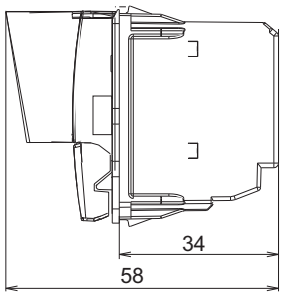
Maximum mouting height: 1.2 m

Presence detection area

Movement detection area

Number of PIR in parallel	2	3	4	5
Max. load	300 W	300 W	300 W	300 W
Min. load	50 W	80 W	100 W	140 W

Dimensions (mm)



Movement and presence detectors
MGU3.525.XX – 2300 W

Area of application

● The movement detection control switches on the loads, it controls when someone passes through the area of action of the sensor.
● It is suitable for different loads (see load table).
● It can be installed indoors in flush-mounted installations and in surface-mounted boxes.
● The control switch allows considerable energy savings since the load is supplied only when people are present.

Technical data

● Rated voltage: 230 V AC ± 10 %, 50 Hz.
● Movement detection area:
○ 10 x 20 m (PIR mouting height: 2.15 m)
○ 9 x 18 m (PIR mouting height: 1.2 m).
● Presence detection area:
○ 6 x 12 m (PIR mouting height: 2.15 m).
○ 5 x 10 m (PIR mouting height: 1.2 m).
● Detection angle: full 180°, partial 90° left or right.
● Selection modes:
○ Manual; the load is controlled by a push-button,
○ Automatic; the load is controlled by the detection of movement and a pre-defined luminosity threshold.
○ Slave; slaves detectors are used in conjonction with a master detector, allowing a larger detection area coverage.
● Time delay: ajustable 2 s to 20 min.
● Luminosity threshold: ajustable 5 to 1000 lux.

Load table

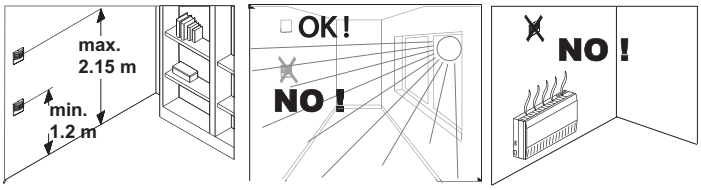
	1	2	3	4	5	6	7	8	9	10
25 °C 230 V 50 Hz Max. W/VA	2300	2000	1050	1150	2000	500	500	200	2300	200

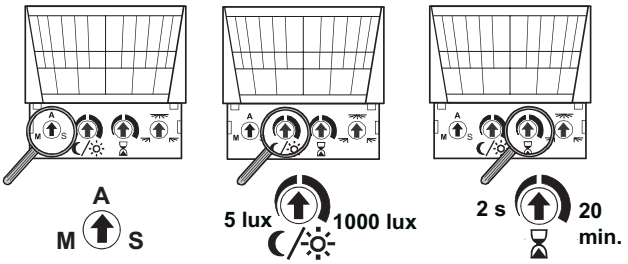
1 - Incandescent lamps
2 - Halogen lamps
3 - Low voltage halogen lamps with ferromagnetic transformer
4 - Fluorescent lamps with conventional ballast, Pf > 0.9
5 - Low voltage halogen lamps with electronic transformers
6 - Compact fluorescent lamps
7 - LED lamps
8 - Ventilators
9 - Heaters
10 - Contactors

Standards

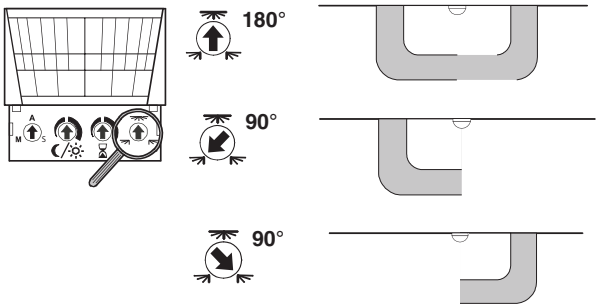
In accordance with EN 60669-2-1.

Use

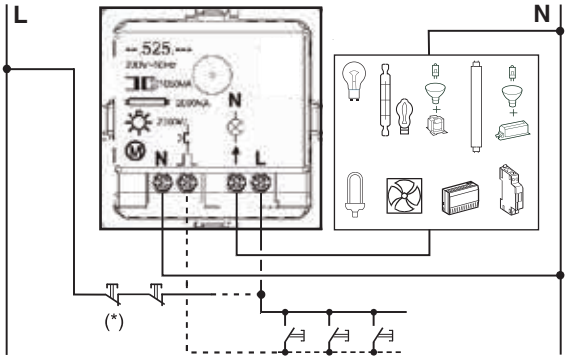




M: manual; the load is controlled by a push-button
A: automatic; the load is controlled by the detection of movement and a pre-defined luminosity threshold.
S: slave; slaves detectors are used in conjonction with a master detector, allowing a larger detection area coverage.

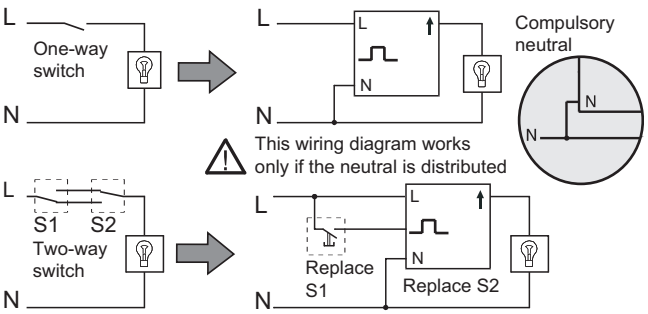


Connections



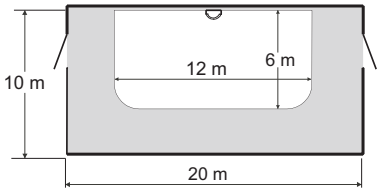
Connection terminals: screw connection for cables up to 2 x 2.5 mm²
(*) Use of a maximum of 5 normally closed push-buttons, for manual override.

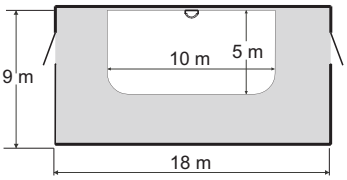
Substitution examples

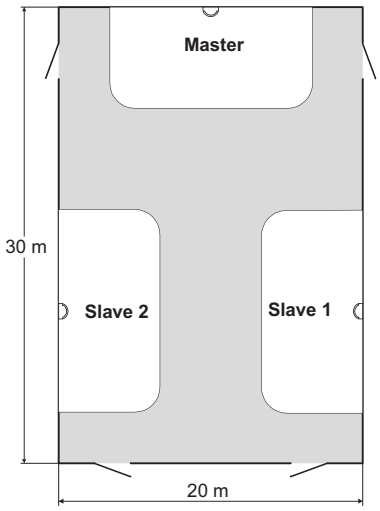


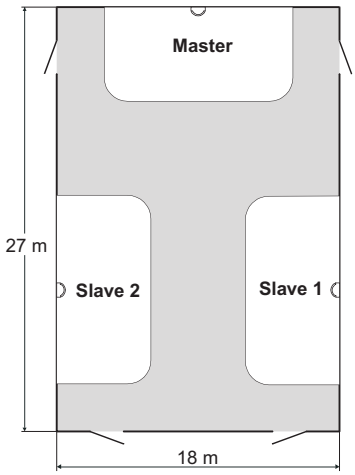
Movement and presence detectors
MGU3.525.XX – 2300 W

Detection areas





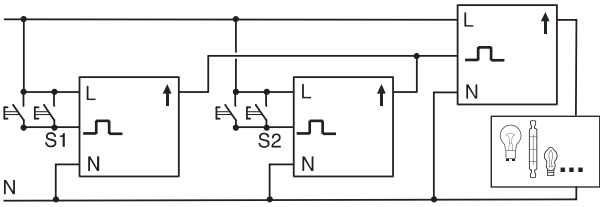




Maximum mouting height: 2.15 m
Slaves allow coverage of a larger area

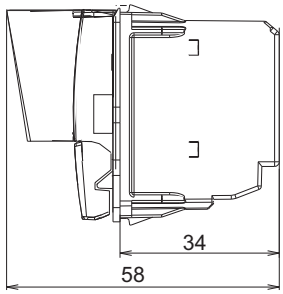
Maximum mouting height: 1.2 m

Presence detection area
Movement detection area



- Max 5 slaves to 1 master
- Max 5 push-buttons to 1 slave
- Use normally open push-button
- Push-buttons are optional with master PIR in automatic mode
- Slave PIR time delay should be less tan Master PIR time delay

Dimensions (mm)



Thermostats

MGU3.501.XX – 8 A basic thermostat

Area of application

- Residential sector:
  - homes with local heating
  - homes with central heating
  - homes with local air-conditioning.
- Tertiary sector:
  - environments with fan air-conditioning
  - environments with central heating and zone valves.
- Can be used on a boiler or circulating pump circuit (heating) or on the air-conditioning power circuit. .

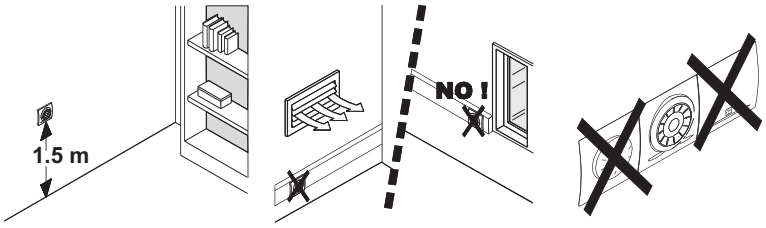
Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Settings range: + 5 °C to + 30 °C.
- Accuracy: 0.5°C.
- The comfort temperature is set via a graduated dial on the front panel.
- Load types:
  - 8 A (resistive)
  - 2 A, Pf (cosφ) = 0.6 (inductive).
- Free potential relay contact.
- Protection against thermal overloads: the mechanism is protected against a connected load that is greater than the permissible load.
- A green LED indicates that a voltage is present.
- Red/blue dual-coloured LED: heating or cooling indication
  - red indicates that the relay is enabled and that the comfort temperature is higher than the ambient room temperature (heating application)
  - blue indicates that the relay is not enabled and that the comfort temperature is lower than the ambient room temperature (air-conditioning application).

Standards

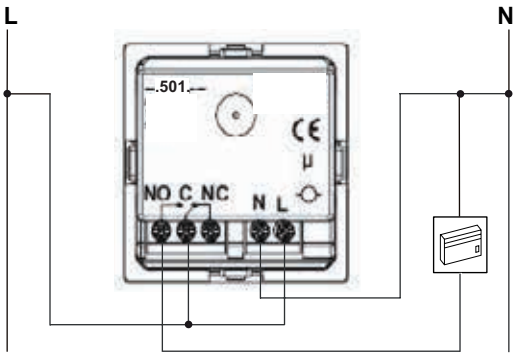
In accordance with:
- EN 607320-2-9.
- LV and EMC directives.

Use

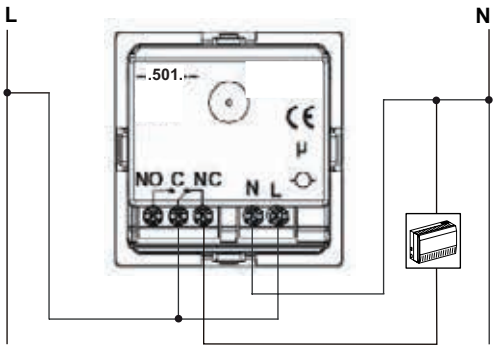


Connections

Heating

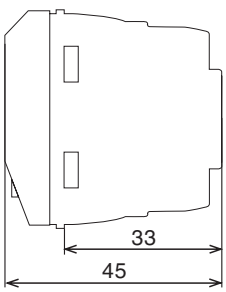


Air-conditioning



- Terminal identification: L (phase), N (neutral), C (common), NO (normally open contact) and NC (normally closed contact).
- Connection terminals: screw connection for cables up to 2 x 2.5 mm²

Dimensions (mm)



Thermostats

MGU3.503.XX - MGU5.503.XX ZD – 10 A floor thermostat

Area of application

Floor heating for homes.

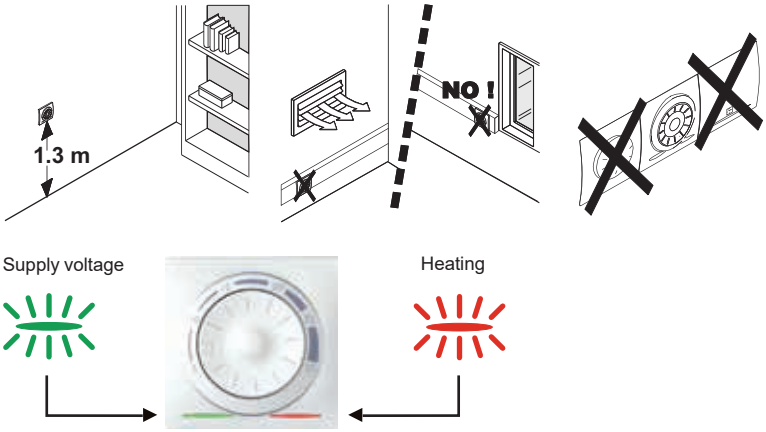
Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Settings range: + 5 °C to + 45 °C.
- Accuracy: 0.5 °C.
- The comfort temperature is set via a graduated dial on the front panel.
- Load types: 10 A, resistive load, cosφ = 1 (2300W).
- Indication:
  - green LED indicates that a voltage is present.
  - red LED indicates that the relay is enabled and that the comfort temperature is higher than the ambient room temperature.
- A floor temperature sensor is delivered with each floor thermostat:
  - impedance: 10 kΩ at 25°C, NTC sensor
  - lenght: 4 m.

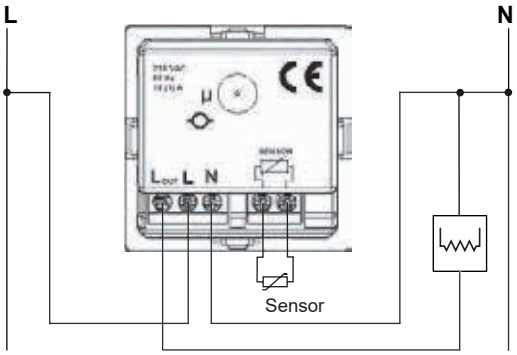
Standards

In accordance with:
- EN 607320-2-9.
- LV and EMC directives.

Use

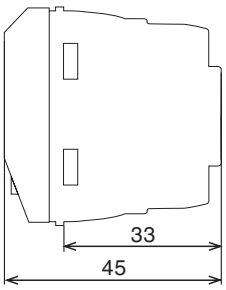


Connections



Connection terminals:
- L and N: screw connection for cables up to 2 x 2.5 mm²
- sensor: screw connection for cables up to 2 x 1.5 mm².

Dimensions (mm)



Unica

Weekly-programmable thermostats

MGU3.505.XX – 8 A resistive/ 5 A inductive

Area of application

● Residential sector:
○ homes with local heating
○ homes with central heating
○ homes with local air-conditioning.
● Tertiary sector:
○ environments with fan air-conditioning
○ environments with central heating and zone valves.
● Can be used on a boiler or circulating pump circuit (heating) or on the air-conditioning power circuit.

Technical data

● Rated voltage: 230 V AC ± 10 %, 50 Hz.
● Application 1: the heating is connected via terminals C (common) and NO (normally open).
● Application 2: the air-conditioning is connected via terminals C (common) and NC (normally closed).
● Standard programming (user-modifiable).
● Maximum number of weekly program settings: 1.
● Maximum number of programmable changes: no limit.
● Heating (Heat) or air-conditioning (Cool) can be programmed in INSTALLER PARAMETERS.
● Memory with no 230 V AC power supply: 7 days.
● Relative operating humidity: 20 to 85%.
● Programmable temperatures: Tmax, Tmin, frost protection and differential.
● Ambient room temperature display: 0 to 45°C (tenths).
● Selectable temperature set point: increments of 0.5°C.
● Operating temperature: 0 to 50°C.
● Settings range: 5 to 35°C.
● Storage temperature: -5 to 55°C.
● Relay contact interrupting capacity: 8 A resistive, 5 A inductive.
● Type of contact: free potential.
● Type of device to EN60730: type 1B.
● Software class: A.
● Device class: II.

Standards

In accordance with EN 60730-2-9.

Use

User data

● **AUTO:** The automatic thermostat function switches the heating or air-conditioning on or off according to pre-programmed times and temperatures.
● **MAN:** The manual thermostat function allows you to select the required temperature at any given time. It cancels the automatic function.
● **Tmin:** Tmin is the so-called economy temperature, namely the temperature at which the environment is maintained during the user's absence or for the purposes of minimum comfort. In theory, it is used during the day or at night-time.
The values for this temperature category are normally between 18 °C and 20 °C.
● **Tmax:** Tmax is the so-called comfort temperature.
It is the temperature chosen to give a sensation of maximum comfort. The comfort temperature values are normally between 21 °C and 22 °C.
● **SUITCASE:** The thermostat shutdown function is used for holiday periods or periods of absence during which only the frost-protection function is enabled. The day this function is to come into effect can be set in AUTO mode.
● **CAL:** Temperature sensor calibration : the temperature measured by the thermostat is adjusted to match the actual temperature in the event of the equipment being affected by nearby heat sources or draughts. The temperature can be increased or lowered permanently by up to 5 °C.
● **DIF:** Differential : the differential is the variation in temperature required to switch the thermostat on or off. The values for this parameter are normally 0.3 °C. In other words, if a differential of 0.5 °C is programmed and the comfort temperature is 22 °C, the thermostat switches on at 21.5 °C and off at 22 °C.
● **Frost-protection:** This is the frost-protection temperature, namely the temperature at which the heating switches on, even if the thermostat is switched off or in SUITCASE mode.
This temperature is usually 6 °C. Thus, when the thermostat measures a temperature of 6 °C, it switches on the heating to prevent the pipes or other units in the house from freezing.

Keys

Menu/ On -Off
This key is used to select the various programming states in turn. Press OK to access the various states. Press this key for five seconds (only from AUTO or MANUAL mode) to switch off the weekly thermostat. Press again to restart the thermostat.

Increase values/ SELECT
The programming (PRG) mode is used to select Tmax, Tmin and frost-protection (✳) in turn.

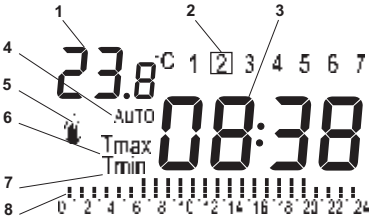
Decrease values/ COPY
The programming mode (PRG) is used to copy the current day's schedule to the following day.
When COPY flashes, press OK to confirm.

Confirm values and actions/ Holiday mode
Press this key for five seconds (only from AUTO or MANUAL mode) to switch to SUITCASE mode (time-delayed disconnect for holiday purposes).

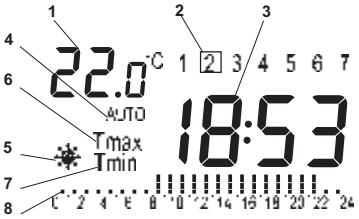
Simultaneously press the MENU and OK keys for 10 s (only from AUTO mode) to restore the original parameters. Press the «▲» and «▼» keys for 5 s (only from AUTO mode) to access INSTALLER PARAMETERS.

Press the «▲» and «▼» keys for 5 s (only from AUTO mode) to access INSTALLER PARAMETERS.

Automatic heating programming



Air-conditioning programming



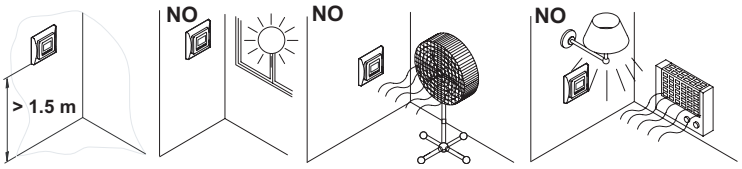
1 - Ambient room temperature in °C
2 - Day indicator
3 - Time indicator
4 - AUTO indicator: automatic function
5 - Heating or air-conditioning indicator: On (🔥) or On (✳)
6 - Tmax indicator: comfort temperature indicator
7 - Tmin indicator: economy temperature indicator
8 - Temperature/ time (0-24) indicator bar:
Tmax
Tmin
Frost protection (✳)

Life Is On Schneider Electric

Version : 1.0 - 27 avril 2016
LSB03404EN

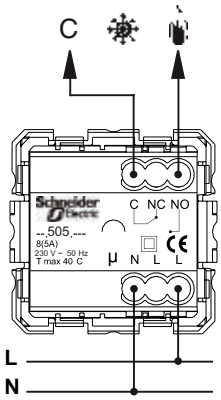
Weekly-programmable thermostats
MGU3.505.XX – 8 A resistive/ 5 A inductive

Installation

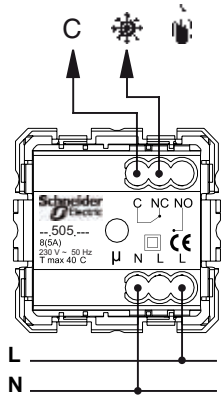


Connections

Heating



Air-conditioning

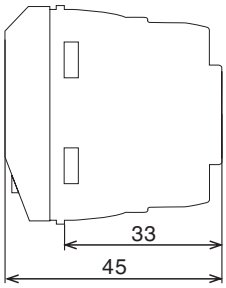


- Terminal identification : L (phase), N (neutral), C (common), NO (normally open) and NC (normally closed).
- The heating is connected via terminals C and NO.

The air-conditioning is connected via terminals C and NC.

- Connection terminals: screw connection for cables up to 2 x 1.5 mm2.

Dimensions



Unica
Time delay switches
MGU3.535.XX

Area of application

- Installation in toilets, corridors, staircases, etc.
- Pulse-type switch on of the load and automatic disconnection when the programmed time limit has expired.
- Incorporated blue locator lamp.

Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Technology: relay.
- Maximum load: 8 A.
- Connection time setting by potentiometer.
- Setting time: from 2 s to 12 min.
- Conventional push-buttons with or without indicator lamp can be used for on/off control of the load:
  - maximum number of push-buttons without indicator lamp: 25,
  - maximum number of push-buttons with indicator lamp: 5.
- Output power derating with 2 or 3 devices combining:

Configuration and number of combining devices			
			
Output power derating			
25 %	25 %	40 %	50 %

Load table

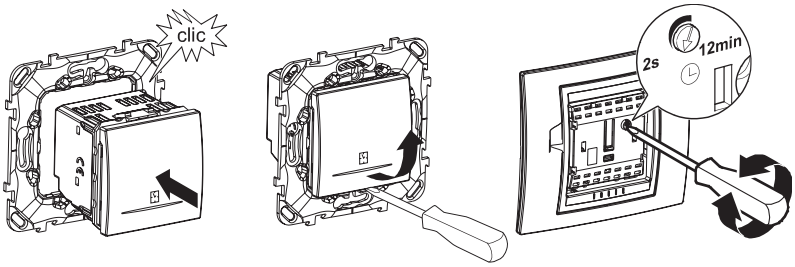
	1	2	3	4	5	6	7	8
25 °C 230 V 50 Hz								
Max.	1800 W	1300 W	1000 VA	1800 W	8 A 35 µF	60 W	3 A	1800 W

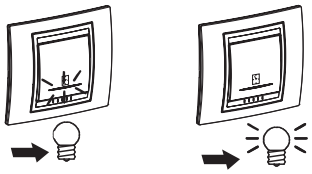
1 - Incandescent lamps
2 - Halogen lamps
3 - Low voltage halogen lamps with ferromagnetic transformer
4 - Low voltage halogen lamps with electronic transformers
5 - Fluorescent lamps with conventional ballast
6 - Compact fluorescent lamps
7 - Ventilators
8 - Heaters

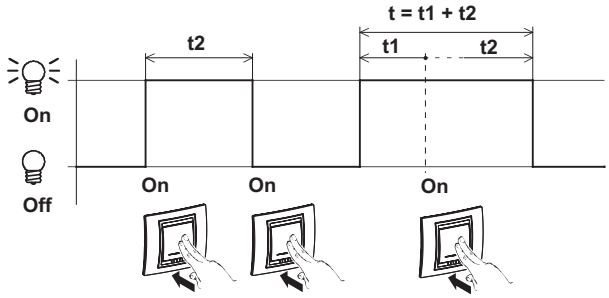
Standards

In accordance with EN 60669-2-1.

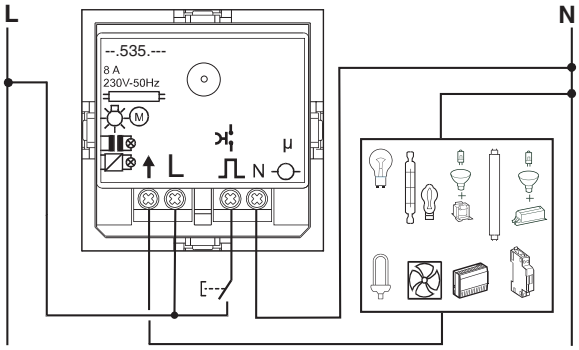
Use





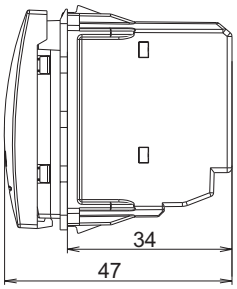


Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm²

Dimensions



Life Is On Schneider Electric

Version : 1.0 - 27 avril 2016
LSB03404EN

Unica
Weekly programmable timers
MGU3.541.XX

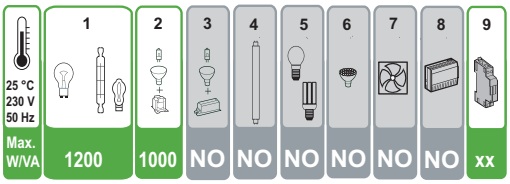
Area of application

The programmable time switch is used to control the loads according to a set schedule. It is programmed in intervals. An interval can represent switching on or off, depending on the time and day programmed. The intervals are displayed on the screen.

Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Maximum number of intervals: 28 (56 On/Off actions).
- Memory with no 230 V AC power supply: 7 days.
- Relative operating humidity displayed: 20 % to 85 %.
- Ambient room temperature display: 0 to 50 °C (tenths).
- Minimum interval duration: 1 min.
- Operating temperature: 0 to 50 °C.
- Storage temperature: -5 to 55°C.
- Type of contact: free potential.
- Type of device to EN60669-2-1: 1B.
- Software class: A.
- Device class: II.

Load table



1 - Incandescent lamps or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer
3 - Low voltage halogen lamps with electronic transformers
4 - Fluorescent lamps with conventional ballast
5 - Compact fluorescent lamps
6 - LED lamps
7 - Ventilators
8 - Heaters
9 - Contactors
A contactor should be used for loads higher or different from those mentioned.

Standards

In accordance with EN 60669-2-1.

Use

User data

- **AUTO**: The automatic programmable time switch function connects or disconnects the load according to the programmed interval times.
- **MAN**: The manual programmable time switch function allows you to connect the load at a time that is not programmed.
- **INTERVAL**: Period of time between connection and disconnection, depending on the time and day programmed.
- **SUITCASE**: This function prevents the time switch from being set during holiday periods or periods of absence. The day this function is to come into effect can be set in AUTO mode.

Keys

MENU

Menu/ On-Off
This key is used to select the different programming states in turn. Press OK to access the various states.
Press this key for 5 s in AUTO mode to switch to MANUAL mode. The MANUAL mode is used to connect or disconnect the load.

SELECT

Increase values/ SELECT
During programming, this function is used to choose sequentially between On and Off. When MEM (memory) is displayed, it is possible to choose between Mod (modify memory) and Del (partial programming deletion).

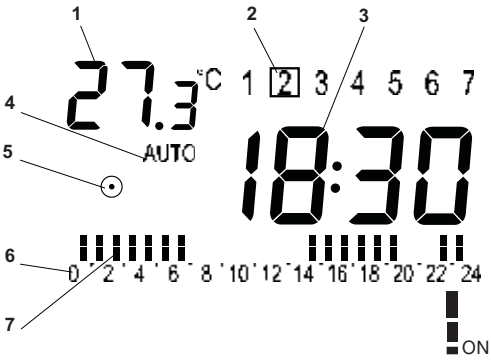
COPY

Decrease values/ COPY
During programming, this button allows copying the program of the current day to the next day. It allows selecting between the MEM and COPY menus.

OK

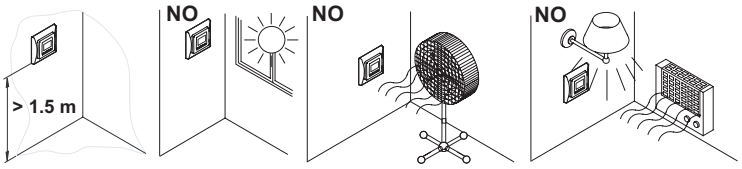
Confirm values and actions/ Holiday mode
Press this key for 5 s (only from AUTO mode) to switch to SUITCASE mode (time-delayed disconnect for holiday purposes).

Automatic mode screen

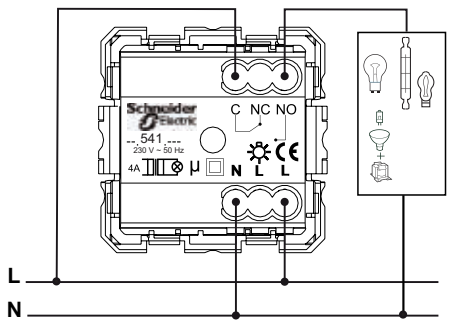


1 - Ambient room, temperature in °C
2 - Day indicator
3 - Time indicator
4 - AUTO indicator, automatic function
5 - Connected load indicator (⊙). disconnected load indicator, (no indication)
6 - Load/time indicator
7 - Load activation indicator

Installation

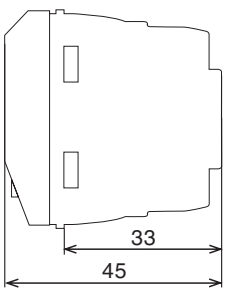


Connections



Connection terminals: screw connection for cables up to 2 x 1.5 mm².

Dimensions (mm)



Area of application

● The weather station screen displays the time, temperature, humidity, atmospheric pressure, moon phase and the minimum and maximum temperatures for the last two weeks. It also has a function that forecasts the weather according to changes in atmospheric pressure. The weather forecasting function is 75 % reliable.
● The user can set the following parameters: either the screen changes sequentially every 15 s, or it remains unchanged.
● The user can switch off the weather station during a holiday period or period of absence.

Technical data

● Rated voltage: 230 V AC ± 10 %, 50 Hz.
● Memory with no 230 V AC power supply: 7 days.
● Relative operating humidity displayed as a %: 20 to 90 %.
● Atmospheric pressure: 700- 1075 hPa/mb.
● Ambient room temperature display: 0 to 50 °C (tenths).
● Stabilisation time after connection to the mains: 6 h.
● Operating temperature: 0 to 50 °C.
● Storage temperature: -5 to 55 °C.
● Type of device to EN60669-2-1: type 1B.
● Software class: A.
● Device class: II.

Standards

In accordance with EN 60669-2-1.

Use

Keys

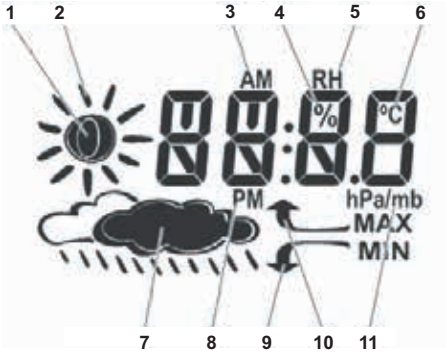
Weather station menu/ On-Off
This menu is used to select the screen display mode which may be sequential or fixed. Press this button for more than 15 s to shut down the weather workstation.

Increase values/ SELECT
This option is used to increase the displayed value during programming. Press the button for more than 5 s to open the Installer parameters menu.

Decrease values

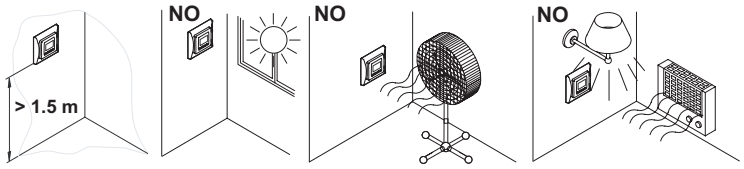
Confirm values and actions

Automatic mode screen

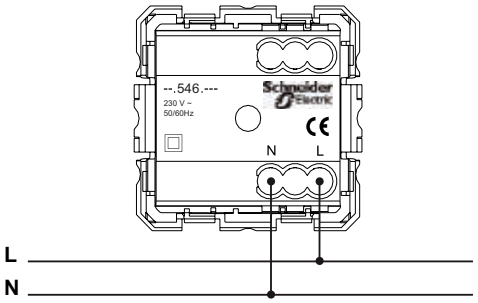


1 - Sunny weather forecast
2 - Sunlight status information
3, 8 - Twelve-hour time indicators
4, 5 - Relative humidity expressed as a %
6 - Indoor temperature in °C
7 - Atmospheric conditions forecast
9, 10 - Atmospheric pressure trend
11 - Atmospheric pressure in hPa/mb (hecto pascal or millibar)

Installation

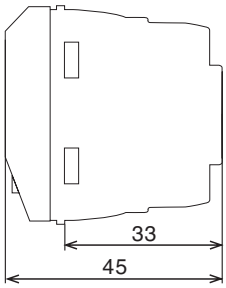


Connections



Connection terminals: screw connection for cables up to 2 x 1.5 mm².

Dimensions (mm)



Unica
Wake up clocks
MGU3.545.XX

Area of application

● The alarm clock screen displays the time, temperature and the alarms programmed during the day. The user can set 9 alarms for different times and different days.
● It is also possible to set the “Snooze” and alarm repeat functions for a specific number of minutes. The bell displayed on the screen (🔔) indicates that at least one alarm was set during the week.
● The “Date-Year” function is incorporated in the alarm clock. It allows the winter/summer changeover time to be set automatically.
● When the alarm is triggered, it can be stopped by pressing any key. If the “Snooze” function is set, the OK key stops the alarm permanently. Press one of the other buttons (“Menu”, “▲” and “▼”) to activate the alarm repeat function, which starts after the number of minutes set with the “Snooze” function have expired.

Technical data

● Rated voltage: 230 V AC ± 10 %, 50 Hz.
● Number of programmable alarms: 9.
● Memory with no 230 V AC power supply: 7 days.
● Relative operating humidity displayed as a %: 20 to 85 %.
● Ambient room temperature display: 0 to 50 °C (tenths).
● Operating temperature: 0 to 50 °C.
● Storage temperature: -5 to 55 °C.
● Storage temperature: -5 to 55 °C.
● Type of device to EN60669-2-1: 1B.
● Software class: A.
● Device class: II.

Standards

In accordance with EN 60669-2-1.

Use

Keys

MENU

Alarm clock menu / On-Off
This button is used to select the various possible states in turn. Press OK to access the various states. Press this button for more than 15 s to switch the alarm clock off.

Increase values / SELECT
This option is used to choose sequentially between switching the alarm on and off during programming.

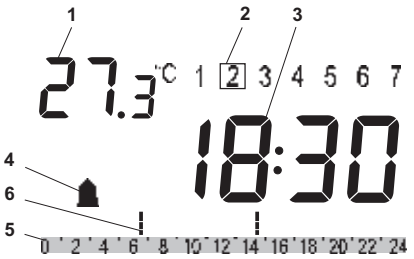
SELECT

Decrease values

OK

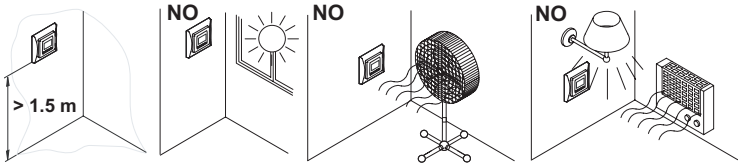
Confirm values and actions

Automatic mode screen

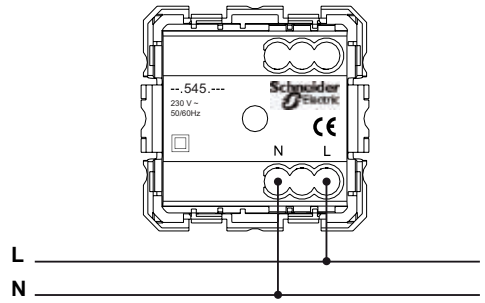


1 - Ambient room temperature in °C
2 - Day indicator
3 - Time indicator
4 - Alarm set indicator (🔔)
Snooze indicator activated (🔔)
5 - Time indicator (0- 24)
6 - Alarm indicator in bar

Installation

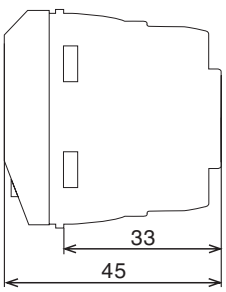


Connections



Connection terminals: screw connection for cables up to 2 x 1.5 mm².

Dimensions (mm)



Key card switches
MGU3.540.XX (8 A timed) – MGU3.283.XX (10 A)

Area of application

- Particularly recommended for hotel rooms.
- Controls lighting circuits, electrical appliances, electronic equipment, etc.

Technical data

MGU3.540.XX (8 A timed)

- Power supply: 230 V AC ± 10 %, 50 Hz.
- Rated current: 8 A.
- A flashing LED indicates that the time-delay is off.
- The disconnect time can be any time between 10 s and 3 min.
- Type of card: 54 x 86 x 0.85 mm (max.), vertical insertion.
- With an amber night-time indicator lamp.
- Fuse: electronic.
- Protection: against overvoltages and thermal protection.
- Relay contact: free potential.

Load table (MGU3.540.XX only)

	1	2	3	4	5	6	7	8	9	10
25 °C 230 V 50 Hz Max. W/VA	1470	1000	1470	1470	NO	1470	1470	1470	1470	xx

1 - Incandescent lamps or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer
3 - Low voltage halogen lamps with electronic transformers
4 - Fluorescent lamps with ferromagnetic ballast
5 - Fluorescent lamps with dimmable electronic ballast (1-10 V)
6 - Compact fluorescent lamps
7 - LED lamps
8 - Fan, motors (single-phase)
9 - Heaters (single-phase)
10 - Contactors

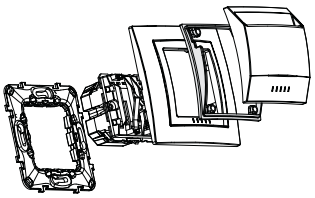
MGU3.283.XX (10 A)

- Power supply: 230 V AC ± 10 % 50 Hz.
- Rated current: 10 A.
- Type of card: 54 x 86 x 0.85 mm (max.), vertical insertion.
- With an amber night-time indicator lamp (ref. MGU.824).
- The supply is interrupted when the card is removed (45 to 54 mm wide).
- For fluorescent loads with a corrected power factor, the load should be controlled through an appropriate relay.

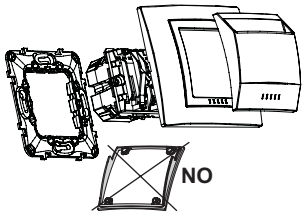
Standards

- MGU3.540.XX: in accordance with EN 60669-2-1.
- MGU3.283.XX: in accordance with EN 61058-1.

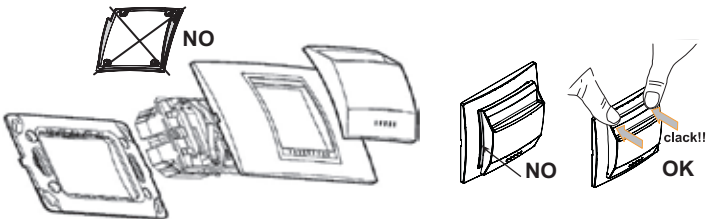
Installation (MGU3.540.XX)



Unica Basic and Unica Colors

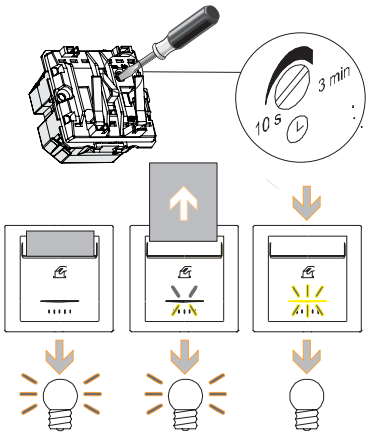


Unica Class, Unica Top and Unica Plus

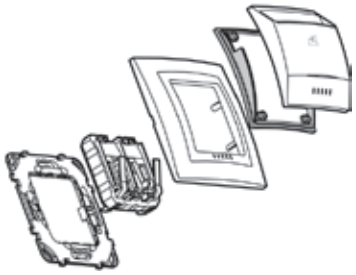


Unica Top, Unica Plus and Unica Allegro (Italian cover frames)

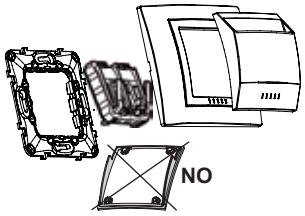
Use (MGU3.540.XX)



Installation (MGU3.283.XX)

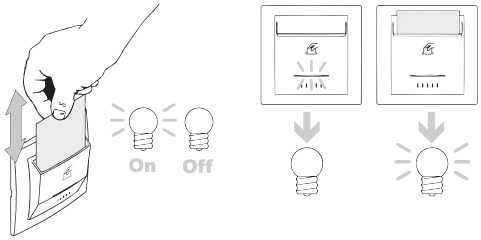


Unica Quadro, Unica Colors and Unica Basic



Unica Top, Unica Plus and Unica Allegro

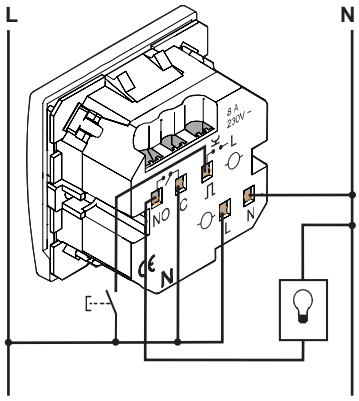
Use (MGU3.283.XX)



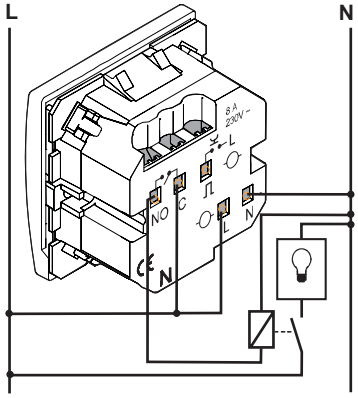
Key card switches
MGU3.540.XX (8 A timed) – MGU3.283.XX (10 A)

Connections (MGU3.540.XX)

< 8 A



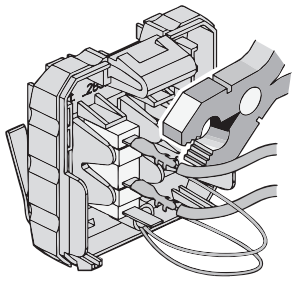
> 8 A



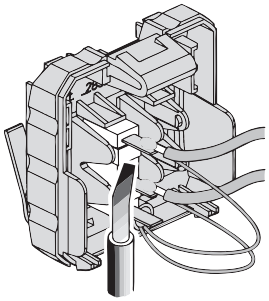
Connection terminals: screw connection for cables up to 2 x 2.5 mm².

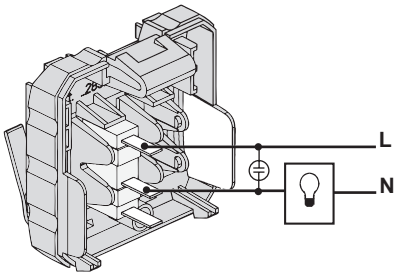
Connections (MGU3.283.XX)

6 A max. (Faston)



10 A (soldering)

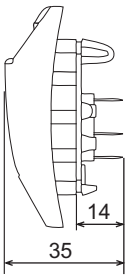




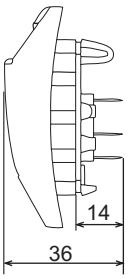
Connection terminals: Faston or soldering connection for cables up to 2.5 mm².

Dimensions (mm)

Unica Class, Unica Top, Unica Plus and Unica Allegro



Unica Basic, Unica Colors and Unica Quadro



Technical alarms
MGU3.710.XX - MGU3.711.XX - MGU3.713.XX - MGU3.712

Area of application
Two kinds of technical alarms are available to guard against potential danger for homes and building:
- Gas detectors: they are used to sound an alarm as soon as light gasses (natural gas, city gas, methane ...) or heavy gasses (butane, propane...) start to dissipate into the ambiant air. Gas detectors are designed to be installed in boiler rooms and kitchen or other places where there is a risk of gas escapes.
- Flood detector: it is designed to detect a water leakage in order to prevent water damage. It is connected to SE3.712 sensor, located just a few centimeters off the floor.

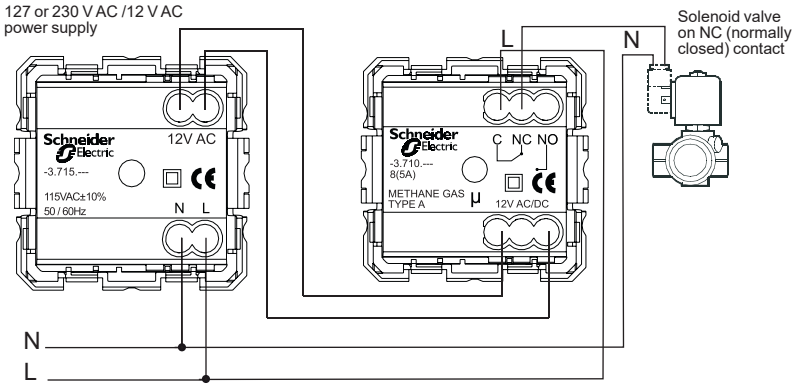
Technical data
- **Gas detectors**
- Power supply: 12 V AC/DC.
- Signalling:
  - alarm indication: red LED,
  - power indication: green LED,
  - stabilization indication during switch on and malfunction indication: amber LED,
  - life time indication: label on front face.
- Test button on front face for simulation.
- Operating temperature: 5 to 40 °C.
- Operating consumption: 130 mA.
- Alarm level: 85 bB -1 m.
- Output contacts: potential free switch over contacts (NO, NC) for connecting solenoid valve on available voltage (12 V, 24 V or 127 V AC or 230 V AC).
- Installing recommendations:
  - 50 cm from the ceiling for methane gas detectors,
  - 50 cm from the floor for LPG gas detectors.

Flood detectors
- Power supply: 12 V AC/DC.
- Signalling:
  - alarm indication: red LED,
  - power indication: green LED,
- Test button on front face for simulation.
- Operating temperature: 5 to 40 °C.
- Operating consumption: 63 mA.
- Alarm level: 85 bB -1 m.
- Output contacts: potential free switch over contacts (NO, NC) for connecting solenoid valve on available voltage (12 V, 24 V or 127 V AC or 230 V AC).
  - A flood sensor (SEU.712) is delivered with each flood detector.

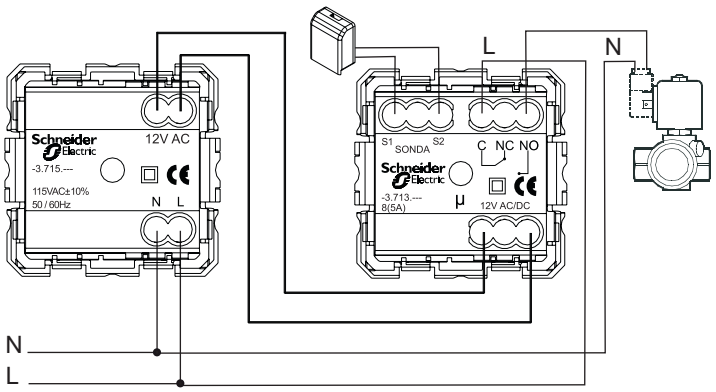
Standards
- Quality marks: CE
- Standard: EN 50194.

Use
- When the detectors are activated, an alarm is triggered, a red LED flashes and a powerful audible signal is given.
- The detectors have potential free switch over contact, one NO and one NC to connect directly to a solenoid valve or siren.
- The detectors are equiped with a test button on front face; they must be tested at regular intervals to ensure that they are operating correctly.
- The gas detectors have a limited life time cycle of 5 years after the 1st installation.

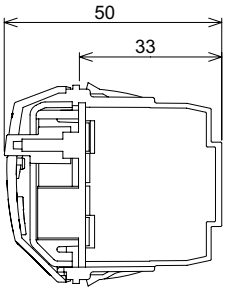
On the front cover a label has to be inserted to indicate the expire date of the gas detector.

Connections
Gas detectors connection


Connection terminals: screw connection for cables up to 2 x AWG16 (2 x 1.5 mm²).

Flood detector connection


Connection terminals: screw connection for cables up to 2 x AWG16 (2 x 1.5 mm²).
*Use of a maximum of 3 sensors in parallel.

Dimensions (mm)


Area of application

- Supply of household appliances, portable lighting devices, electronic devices, etc.
- Some power sockets include a child safety device.

Technical data

- Insulation resistance: > 5 MΩ/ 500 V.
- Dielectric strength: > 2000 V.
- Minimum breaking capacity: 100 operations at 1.25 x In and 1.1 x In, where Pf (Cos φ) = 0.6.
- Enveloping and elastic cells.
- For operations, the earthing contact is made first and broken last.
- Minimum useful life: 10,000 position changes at In and Vn, where Pf (Cos φ) = 0.8.
- Materials: self-extinguishing technopolymer with excellent impact strength. The front parts are resistant to cleaning products and to UV radiation. They are halogen-free.
- The main sockets are also available in red to distinguish the circuits: identification of circuits supplied by uninterruptible power supply (UPS), AC networks or stabilised networks.

Connections

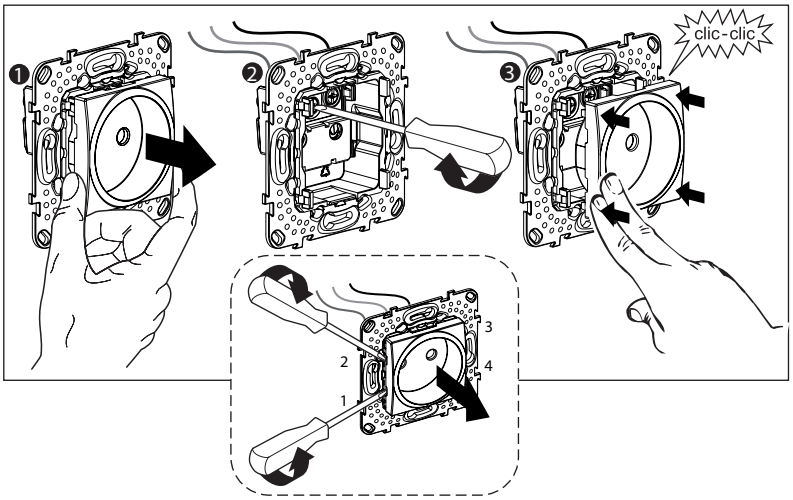
- Screws or screwless connection:
  - screw connection by mixed head screw,
  - screwless connection without tool.
- Terminals accessible on a side part of the socket facilitating connection of terminals and insertion of the device in the box as the rear part remains free of cables.
- Terminals for cables up to 4 mm^2, rigid or flexible.
- Screw connection by mixed head screw supplied loosened.

Standards

In accordance with IEC 60884-1 and the following national standards depending on the country use: VDE 0620-1, UNE 20315-1-2, NFC 61-314, NOM-003-SCFI-2000, SI 32, BS 1363-1 and BS 546:1950.

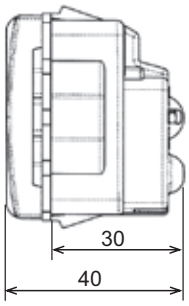
Installation

German or french, screw terminals socket-outlet

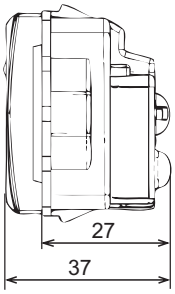


Dimensions (mm)

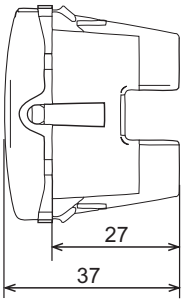
10/16 A- 2P, German type



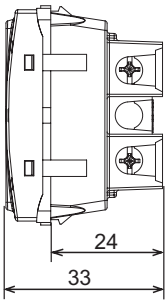
10/16 A- 2P, European type
10/16 A- 2P + E, French type



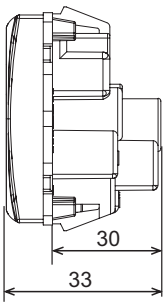
10 A- 2P, European type



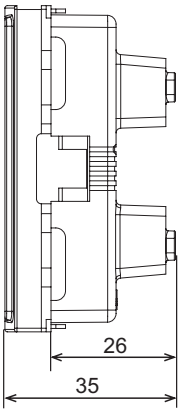
10/16 A- 2P, 2P + E, Euroamerican, American and Italian type



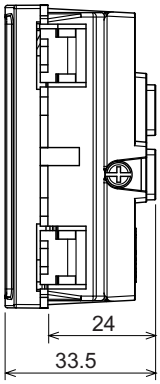
10 A- 2P + E, shuttered British type



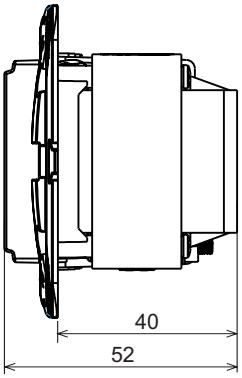
10/16 A- 2P + E, duplex, American type



16 A- 2P, 2P + E, duplex Euroamerican type



20 VA- 2P + E, shaver socket



Area of application

● Given the rapid evolution of the world of computing and telecommunications, today installation of networks is essential in offices and shops (and soon in homes) in order to share information and equipment (printers, scanners, etc.) between several computers.
● These networks consist of cables, connectors, centralising systems and other accessories that, installed in standard, flexible and upgradeable manner (for all Voice, Data, Image transmission applications), make up what is known as structured cabling system.
● The main component of structured cabling is the cable. There are different types of cable for data networks (coaxial, optical fibre, etc.), but the cable most commonly used is the twisted pair cable consisting of 2 insulated and interlaced copper wires.
● There are several types of twisted pair cables:
○ the U/UTP cable (Unshielded Twisted Pair) is a 4-pair twisted cable that is not shielded. It is intended for small and medium installations without electromagnetic pollution
○ the F/UTP cable (Foiled Twisted Pair) is a 4-pair twisted cable with general shielding for external protection, common to all 4 pairs, protecting them against reduced electromagnetic pollution. It is suitable for installations requiring minimum electromagnetic protection
○ the S/FTP cable (Shielded Twisted Pair) is also another 4-pair shielded twisted cable with protective shielding of each pair against high electromagnetic pollution. This minimises emissions. It is suitable for installations requiring a high level of electromagnetic protection.
● The RJ45 socket is an 8-pin connector standardised by ISO8877 for connection of devices to VDI networks.
● One of the standards most commonly used for production of structured cabling is that of the North American Association of electronic and telecommunications manufacturers (EIA/TIA 568B) that has defined a colour code with 2 alternatives, to describe connection of the RJ45 connector.

Technical data

Categories

● The most important property defining a data network is the speed at which information can circulate inside this network.
● According to this aspect, installations are classed into the following categories:

Category	Transmission rate	Network type
Cat. 3	Up to 10 MHz	Ethernet 10 Base T, Token Ring 4 Mbps
Cat. 4	Up to 16 MHz	Token Ring 16 Mbps
Cat. 5e	Up to 100 MHz	Ethernet 1000 Base T, ATM 155 Mbps
Cat. 6	Up to 250 MHz	Ethernet 1000 Base T, ATM 1200
Cat. 6_A	Up to 500 MHz	Ethernet full-duplex mode 1000 Base T

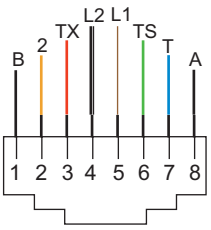
● So that an installation can be included in a certain category, all the elements making it up must belong to the same category, or, otherwise, it will be classed in the category of the lower category element.

Unica offer

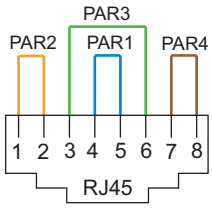
● The Unica offer consists of supports for RJ45 connectors and of a broad and comprehensive range of RJ45 infraplus and LexCom connectors covering virtually all structured cabling needs, both current and future.
● This offer satisfies the technical requirements of prevailing regulations soon to be standardised and stand out by the following characteristics:
○ ease of mounting: each connector is equipped with a code of colours and numbers to guide connection at all times without needing special tools
○ high connector quality with category 6 and 6 sockets thus allowing us to propose the quickest connector on the market
○ minimum conductor untwisting for connection, thus preventing electromagnetic interference
○ connection reliability
○ compact size (particularly for the shielded version).

Connections

Telephone connection

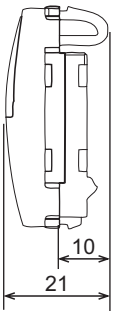


EIA/TIA 568B

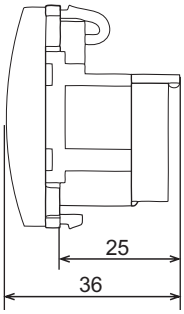


Dimensions (mm)

RJ45 cover



RJ45 socket



Compatibility table for RJ45 cover plates

AMP®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
1375055-x	UTP	Cat. 6	•	•
1375188-1	STP		•	•
406372-x	UTP	Cat. 5	•	
1375191-x			•	•
1116604-x			•	•
1479139-x			•	
1116515-1	STP		•	
1375189-1			•	•
1339015-1			•	•
1479140-1			•	
406373-2	UTP	Cat. 3	•	

SYSTIMAX®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
MGS400-xxx	UTP	Cat. 6	•	•
MPS100E-xxx		Cat. 5	•	•

BRAND REX®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
C6C-JAK-U-01-2	UTP	Cat. 6	•	•
C6C-JAK-U-01-3			•	•
C6C-JAK-F-OK-2	FTP		•	•
C6C-JAK-F-AK-2			•	
C6C-JAK-F-BK-2			•	
GPC-JAK-U-B1-3	UTP	Cat. 5	•	•
GPC-JAK-U-A1-3			•	•
GPC-JAK-U-BK-3			•	•
GPC-JAK-U-AK-3			•	•
GPC-JAK-U-01-3LF			•	•
GPC-JAK-F-01-2LF	FTP		•	•
GPC-JAK-F-B1-2			•	
GPC-JAK-F-A1-3			•	
GPC-JAK-F-BK-2			•	
GPC-JAK-F-AK3			•	

Compatibility table (Cont'd)

GENERAL CABLE®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
CU6PJACBLP	UTP	Cat. 6	•	
CU6PJAKBLP			•	•
CU5EJACBLP		Cat. 5	•	
CU5EJAKBLP			•	•
CU5PJACBLP			•	•
CF5NJAC99P	FTP		•	•
CF5PJAC99P			•	

KRONE®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
6380 1 800-04	UTP	Cat. 6	•	•
6380 1 810-04	STP		•	
6830 1 305-01	UTP		•	•
6830 1 312-xx	STP		•	
6540 1 100-07	UTP	Cat. 5	•	•
6540 2 161-60	STP		•	
6540 1 130-xx	UTP		•	•
6540 1 154-02	STP		•	
6467 1 081-xx	UTP		•	•

NEXANS®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
N420.610	UTP	Cat. 6	•	•
N420.620	FTP		•	•
N420.630	STP		•	•
N420.510	UTP	Cat. 5	•	•
N420.520	FTP		•	•
N420.530	STP		•	•
N420.416	UTP		•	•
N420.426	FTP		•	•

Note: Use 429.620 article with this type of connectors.

NORDX/CDT®

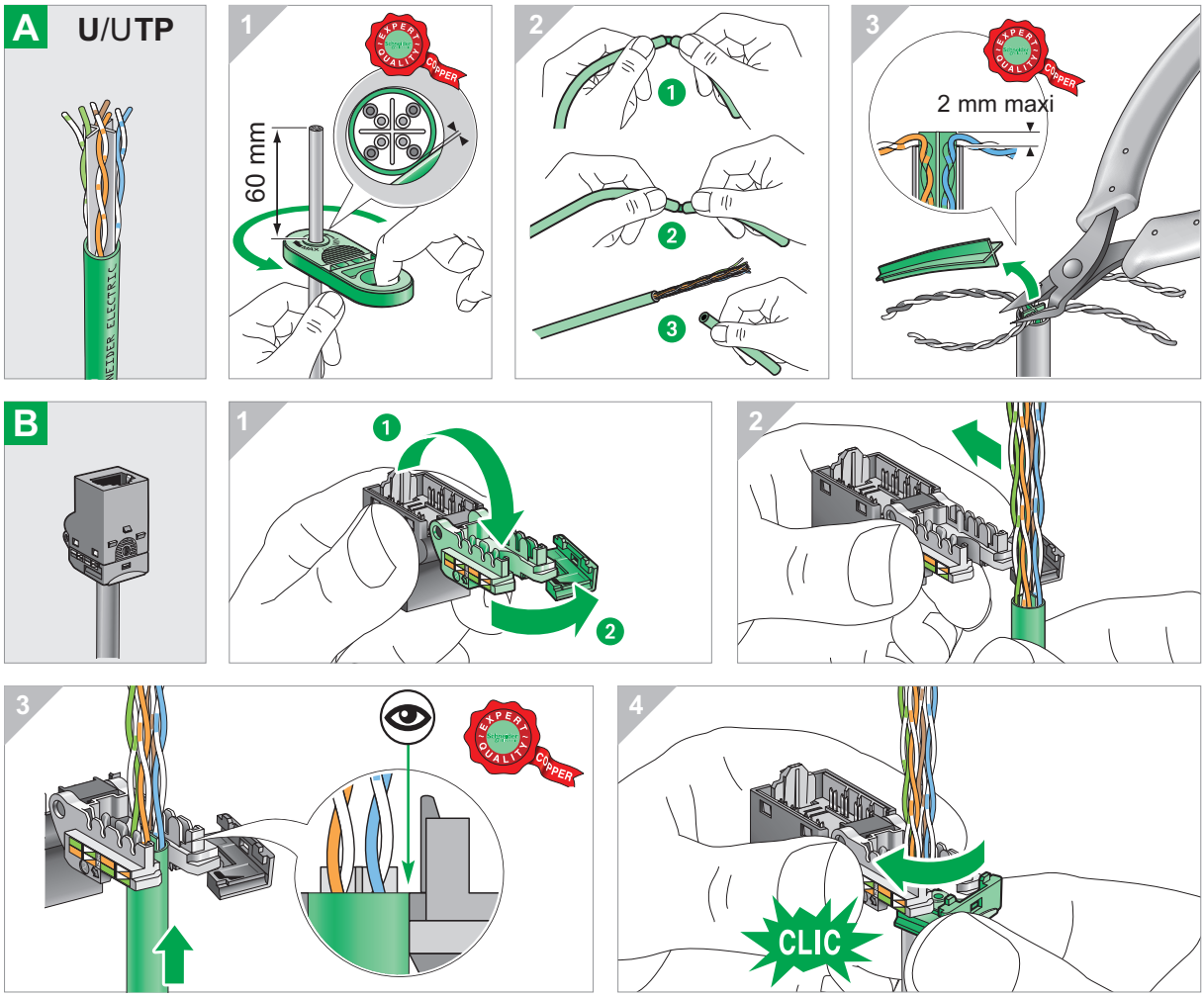
Connector ref.	Type		Compatibility with MGU9.460.XX universal cover	Compatibility with MGU9.461.XX universal cover
AX101318 to 101328	UTP	Cat. 6	•	•
AX101307 to 101317		Cat. 5	•	•
AX100577 to 100587			•	•

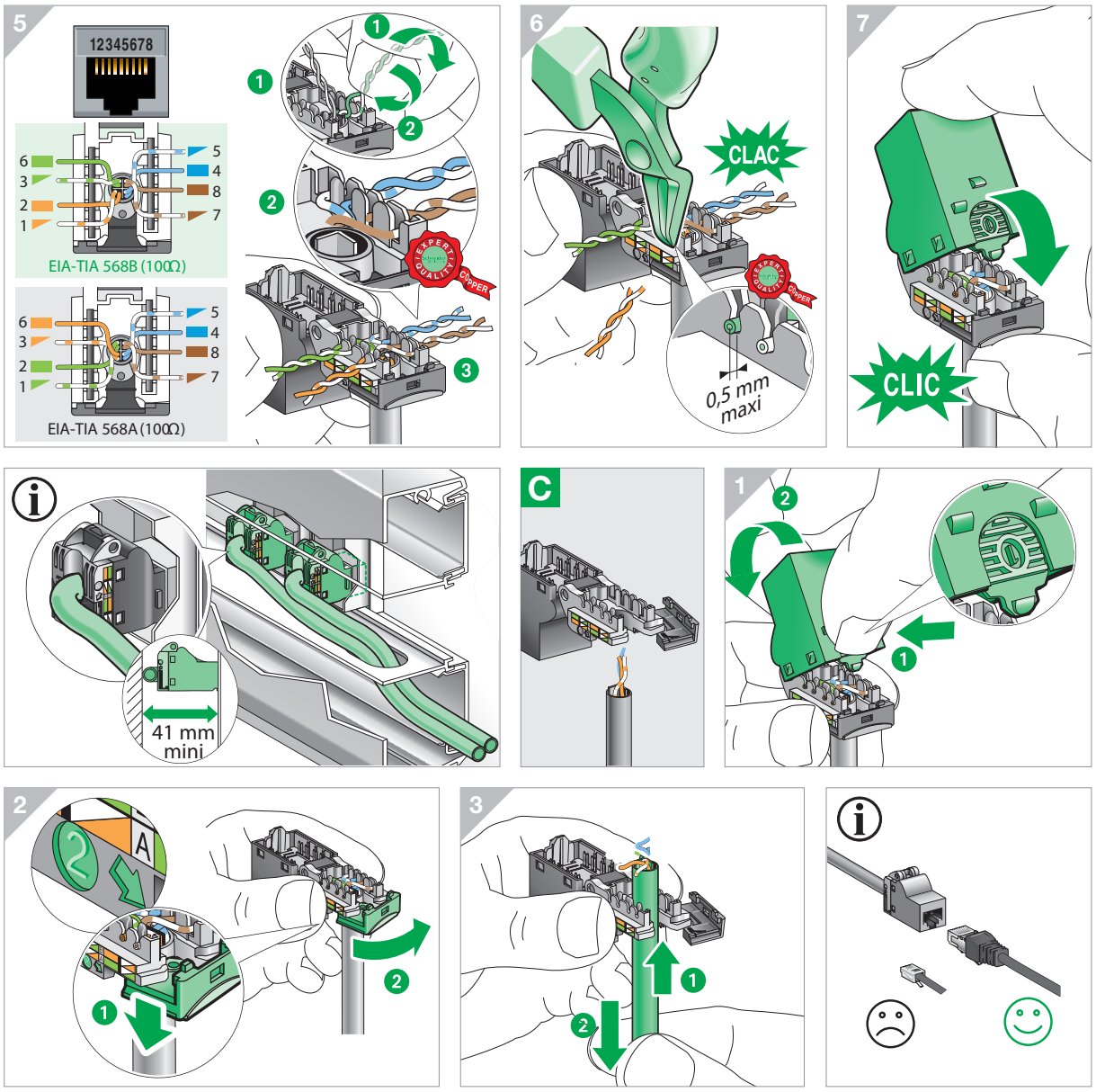
SUPERIOR®

Connector ref.	Type		Compatibility with MGU9.460.XX universal cover
KMJSIXB02	UTP	Cat. 6	•
KMJVL8A/B02S	FTP	Cat. 5	•
KMJVL8A/B02	UTP		•
KMJEFS8B02			•

Installation

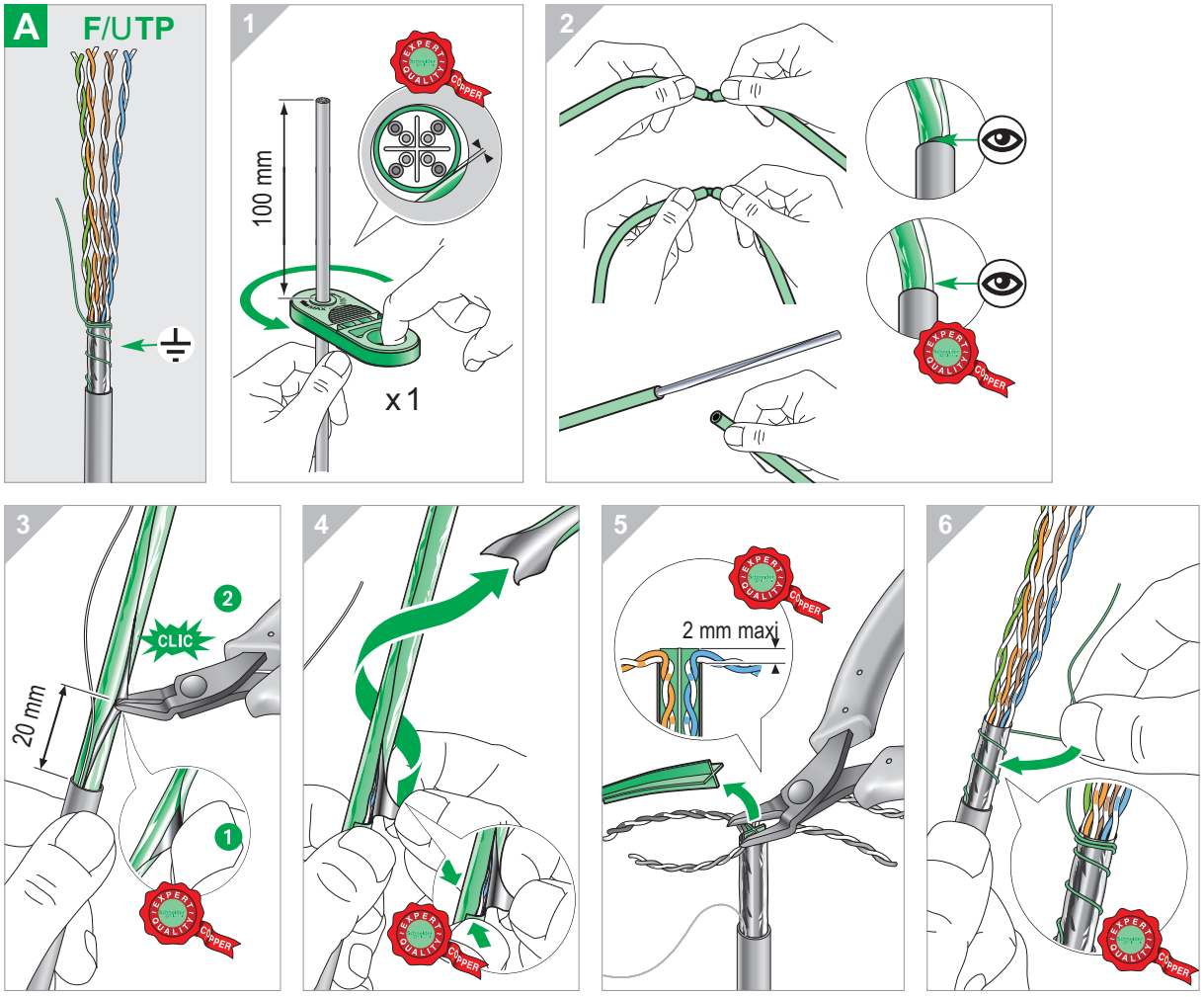
Example of unshielded data socket installation (cat 6A, 5, 5e)

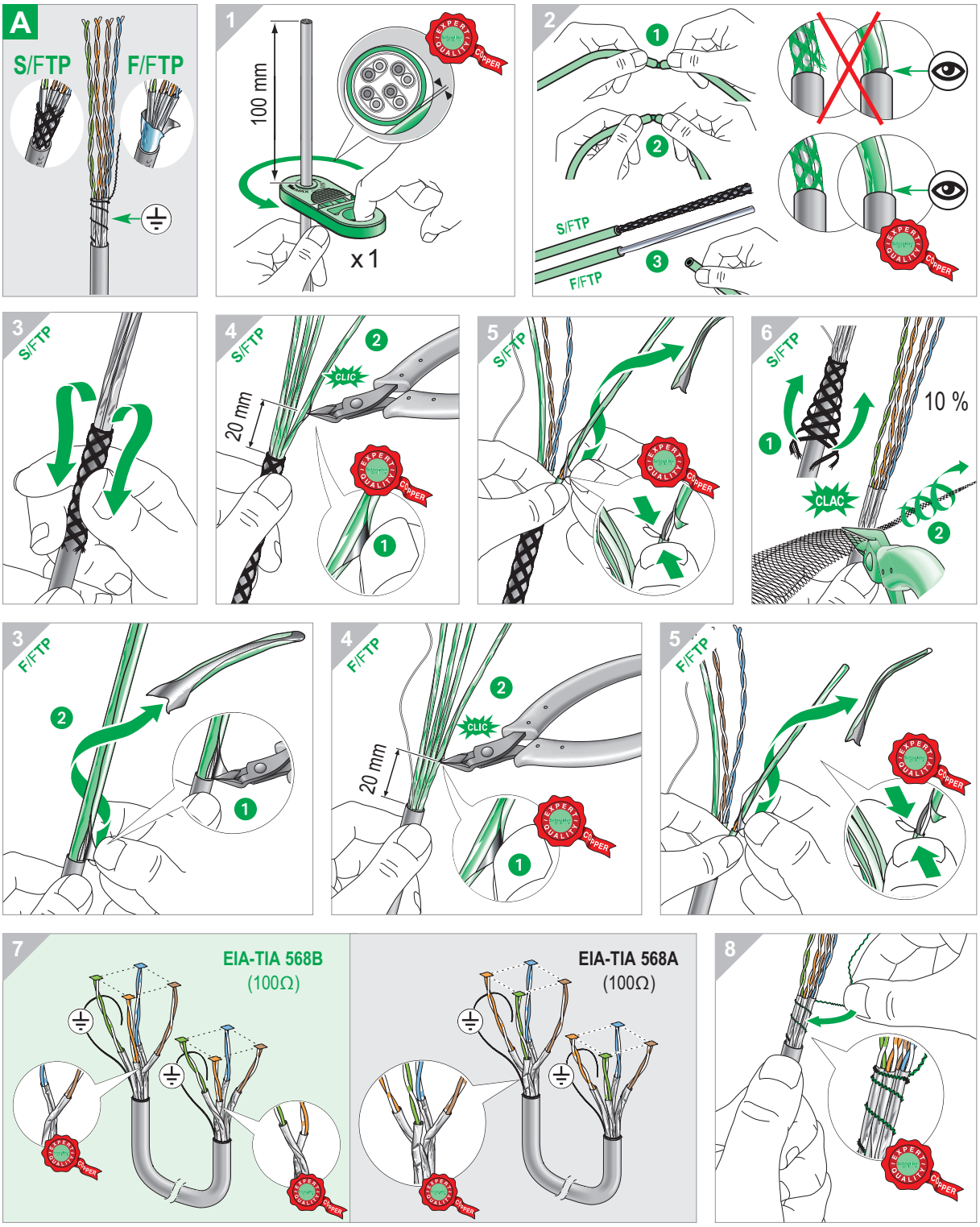



5
12345678
6 3 2 1
5 4 8 7
EIA-TIA 568B (100Ω)
EIA-TIA 568A (100Ω)
1
2
3
6
CLAC
0,5 mm maxi
7
CLIC
41 mm mini
C
1
2
2
A
3

Installation

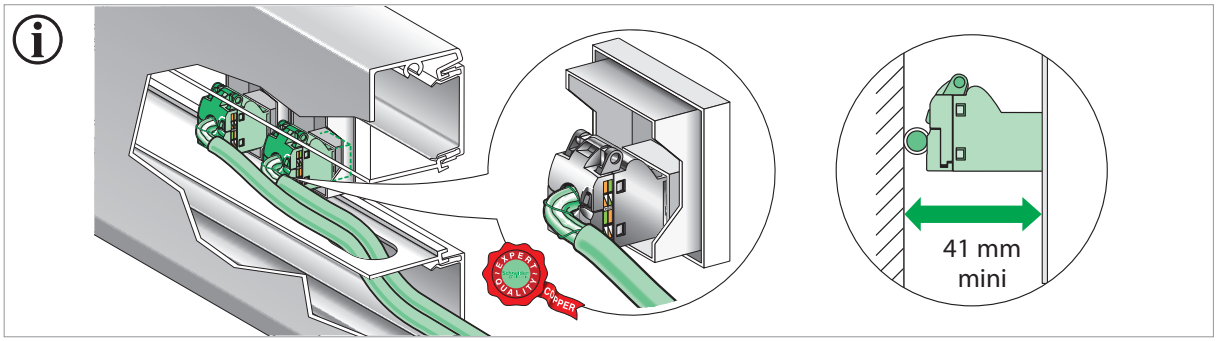
Example of shielded data socket installation (cat 6_A, 5, 5e)

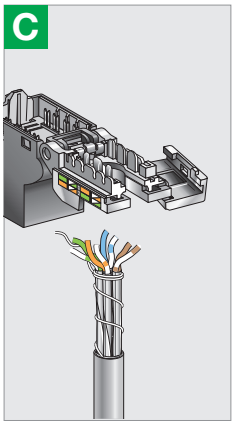


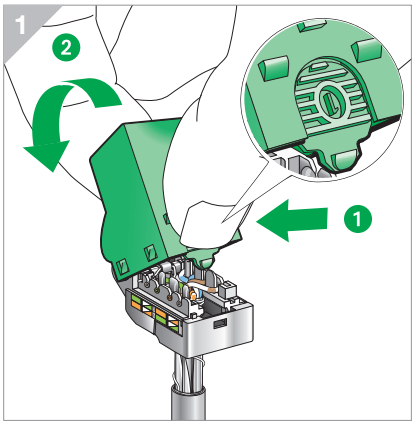

A
S/FTP
F/FTP
1
100 mm
x 1
2
S/FTP
F/FTP
3
3
S/FTP
4
S/FTP
CLIC
20 mm
5
S/FTP
6
S/FTP
10 %
CLAC
3
F/FTP
4
F/FTP
CLIC
20 mm
5
F/FTP
7
EIA-TIA 568B
(100Ω)
EIA-TIA 568A
(100Ω)
8

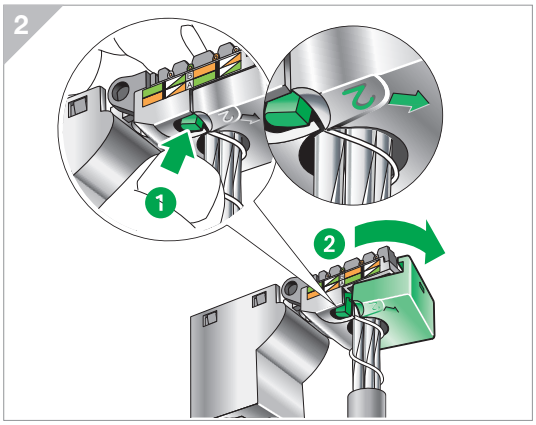
Installation

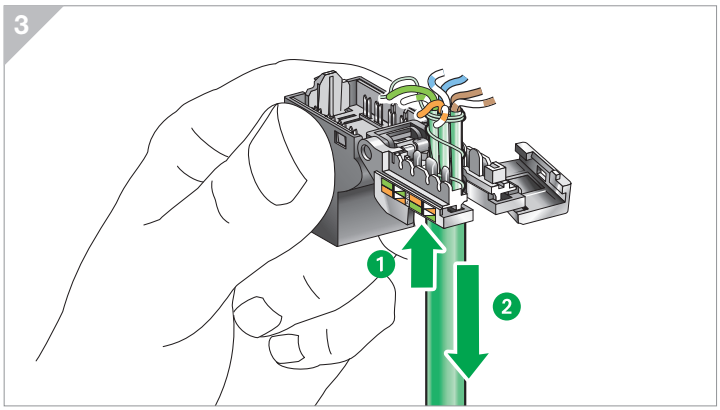
Example of shielded data socket installation (cat 6_A, 5, 5e) (Cont'd)

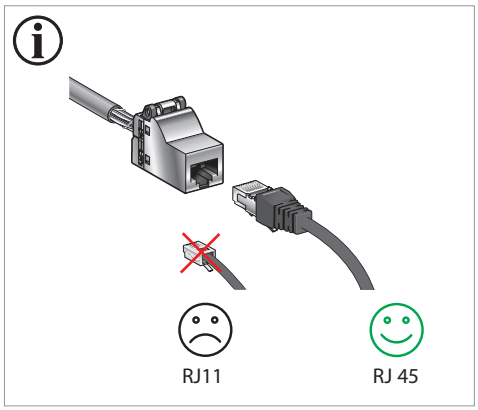


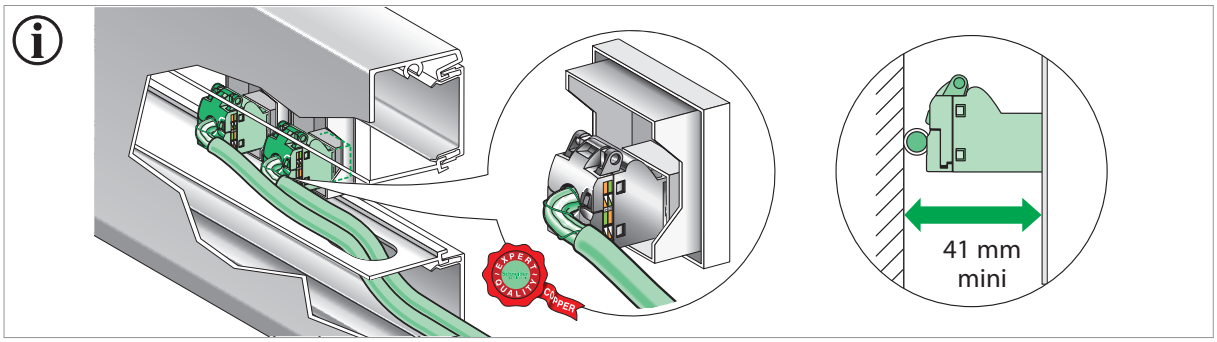


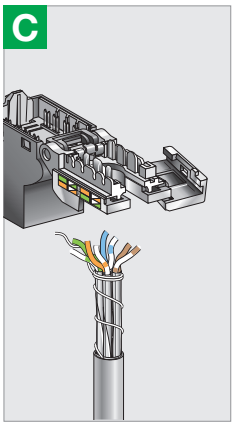


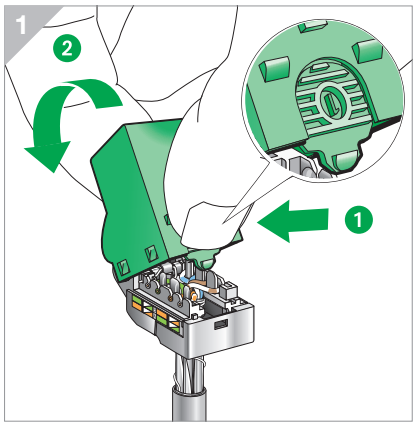


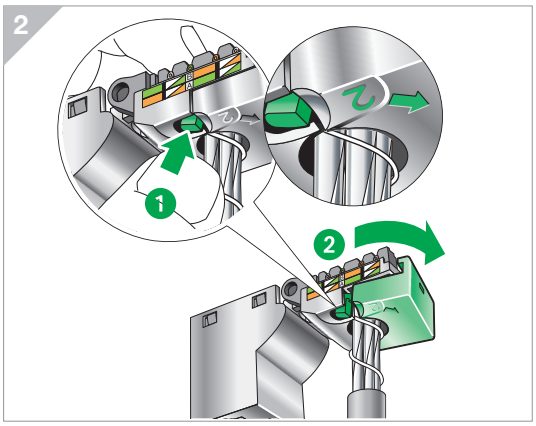


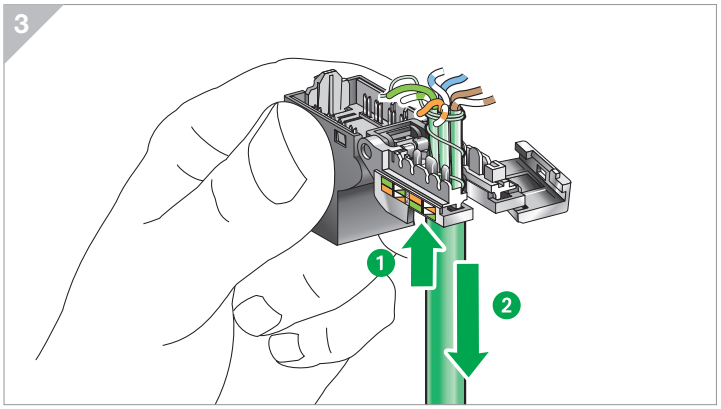


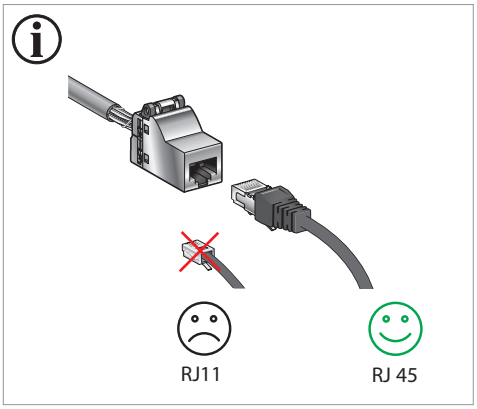

41 mm
mini


C


1
2
1


2
1
2


3
1
2


RJ11
RJ 45

Area of application

Antenna sockets are adapted for connection of radio and television receivers, with land-based or satellite-based analog and digital signals, by cable over a frequency band of between:
- 47 and 860 MHz for those of TV/FM type,
- 10 and 2300 MHz for R-TV/SAT type,
- 5 and 2400 MHz for R/TV/SAT ones.

Technical data

- For sockets with a double output, signals arriving mixed via the cable from the antenna are separated and transmitted by 2 IEC Ø 9.5 mm type connectors, one male and the other female.
- For TV/ FM sockets, the male connector delivers the frequency band from 47 to 860 MHz for land television and the female connector from 87 to 108 MHz to receive radio transmissions.
- For R-TV/ SAT sockets, the male connector delivers frequencies from 10 to 830 MHz for radio and land television and the female connector reproduces the bandwidth between 950 and 2400 MHz to receive television transmissions via satellite.
- For R/TV/ SAT sockets, the male connector delivers the frequency band from 47 to 860 MHz for land television, the female connector from 87 to 108 MHz to receive radio transmissions and the F connector reproduces the bandwidth between 950 and 2400 MHz to receive television transmissions via satellite.
- Functionally speaking, the sockets are designed so that the mechanical part can facilitate and ensure suitable connection of coaxial cables. The socket body is entirely made of Zamak cast iron (Zamak is a zinc and aluminium alloy) so as to offer perfect shielding (against electromagnetic interference) to the electronic part that is made up of passive components (not requiring power supply), able to obtain the best adaptation characteristics as regards impedance, attenuation and decoupling, thus ensuring optimum level audio and video signals over the entire installation.
- The R-TV/ SAT sockets satisfy all the requirements of the new regulations on Common Telecommunications Infrastructures (CTI) as per R.D. 1/1998 and R.D. 279/1999.

Standards

In accordance with:
EN 50083-1, EN 50083-2 and EN 50083-4.

TV-FM sockets

	Frequencies	MGU3.451.XX Individual	MGU3.452.XX End-of-line series	MGU3.453.XX Intermediate series	MGU3.458.XX End-of-line low losses	MGU3.459.XX Intermediate low losses
Pass through attenuation (db)	**R** 87.5-108 MHz	10	27	32	32.5	27.5
	TV/VHF 47-68 MHz	2	13.5	17	5	12
	TV/UHF 125-860 MHz	< 1	13.5	17	5	10.3
Outlet attenuation (db)	**TV**			0.5		< 1
DC current		no	yes	yes	no	yes
Sockets/line		1	1	7	1	4
Connectors		IEC Ø 9.5 mm type				

R-TV-SAT sockets

	Frequencies	MGU3.454.XX Individual	MGU3.455.XX End-of-line series	MGU3.456.XX Intermediate series
Pass through attenuation (db)	**R** 10-108 MHz	< 0.8	< 9	13
	TV/VHF 118-470 MHz			
	TV/UHF 470-830 MHz			
	SAT 950-2400 MHz	< 1.4	< 17	< 12
Outlet attenuation (db)	**TV**			1
	SAT			1.5
DC current		In SAT socket		
Sockets/line		1	1	4
Connectors		IEC Ø 9.5 mm type		

R/TV/SAT sockets

	Frequencies	MGU3.450.XX Individual
Pass through attenuation (db)	**R** 5-108 MHz	≤ 3
	TV 125-862 MHz	≤ 2.5
	SAT 950-2400 MHz	≤ 3
DC current		In SAT socket
Sockets/line		1
Connectors		IEC Ø 9.5 mm type

SAT single shielded sockets

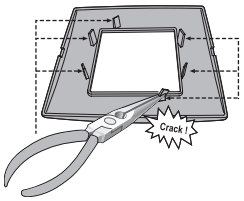
	MGU3.462.XX Individual	MGU3.463.XX Passage	MGU3.464.XX Terminal
Frequency (MHz)	5-2150		
Shunt attenuation (dB)	11	11	8
Passage attenuation (dB)	-	< 1 (2150 MHz)	-
Current passage	NO		
Sockets/line	1	4	1
Connector	IEC Ø 9.5 mm male		

TV single shielded sockets

	MGU3.465.XX Individual	MGU3.466.XX Passage	MGU3.467.XX Terminal
Frequency (MHz)	5-862		
Shunt attenuation (dB)	11	11	8
Passage attenuation (dB)	-	< 0.5 (562 MHz)	-
Current passage	NO		
Sockets/line	1	4	1
Connector	IEC Ø 9.5 mm female		

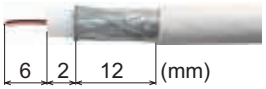
Cover frame installation

Covers ref. MGU9.440.XX and MGU9.441.XX are used to apply **Unica** finishing to standard TV sockets (such as those of TELEVES, IKUSI, etc.). The rack type guides must be separated from the cover frame to be installed, as shown on the following drawing..

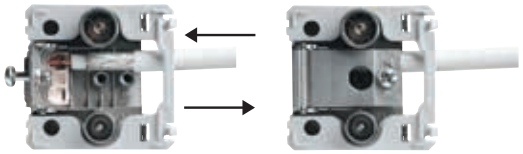


Connections

- Prepare the coaxial cable according to the dimensions specified on the following drawing.
- Ensure that no external mesh wires touch the central wire (live).

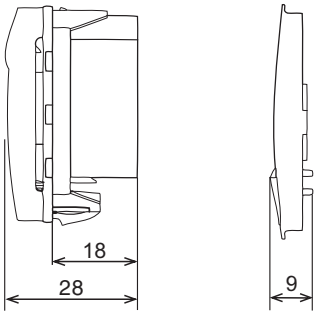


- Lift up the central cover of the socket and place the cable or cables as per the following photo: when installing the 2 cables (on the Intermediate Series sockets), check that the cable properly matches the position given by the arrows on the “signal input” and “signal output” socket.
- Fold back down the cover and fully screw on.

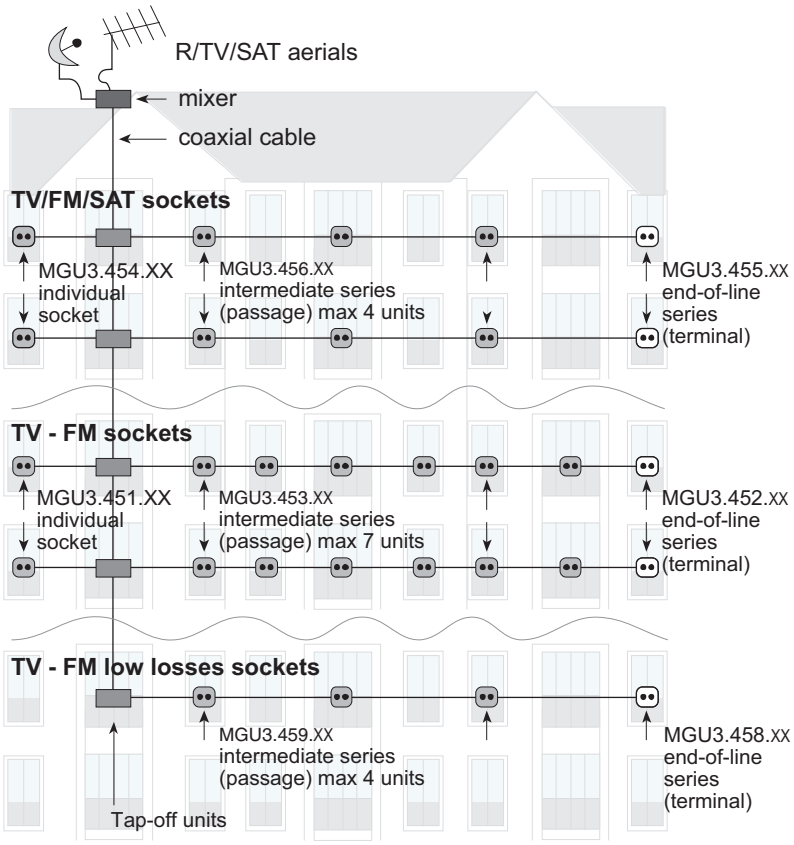


TV socket **Cover**

Dimensions (mm)



Installation



Unica
Telephone sockets
RJ11 and RJ12

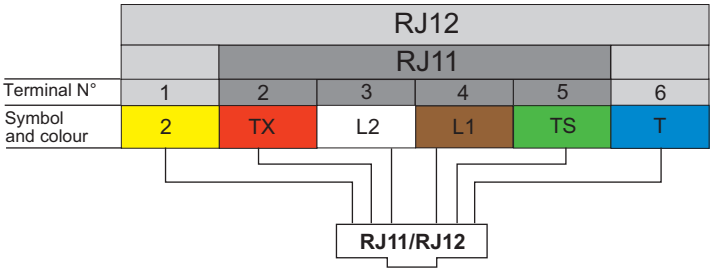
Area of application

- To connect telephone sets, modems, fax machines and other telephony equipment to the network.
- The 6-pin socket is suitable for new design installations, as it is adapted to current regulations on Common Telecommunications Infrastructures (CTI), which indicate that the Terminal Access Database (TAD) must be equipped with a 6-channel Bell type female connector.

Technical data

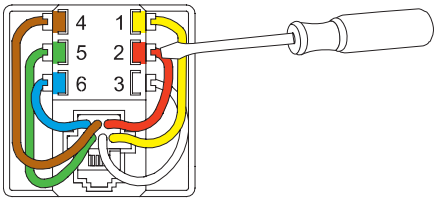
- 4 to 6-pin connectors (RJ11 and RJ12 respectively) with screw connection or insulator displacement.
These connectors are Category 3, implying transmission rates of up to 16 Mb/s.
- The standard line with 1 pair of wires is connected between L1 and L2 connection of RDSI, ADSL lines and other 4-wire lines (two pairs) is found between L1-L2 and TX-TS.

Connection

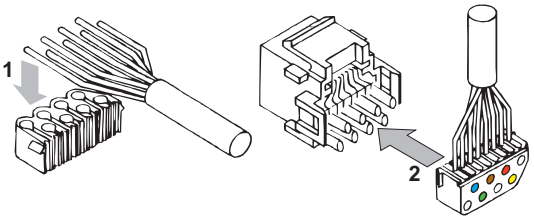


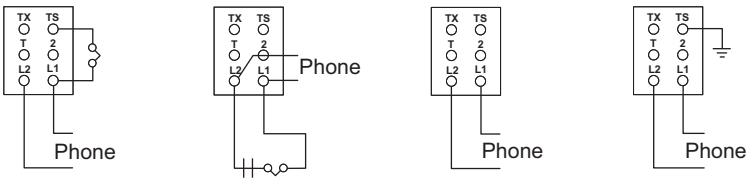
Screw connection system

Connection terminals: screw connection for rigid cables up to 0.2 mm².



Connection system by insulator displacement





Normal

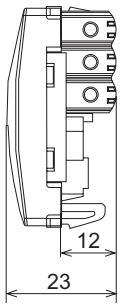
Transfer and call returned

Additional bell without capacitor

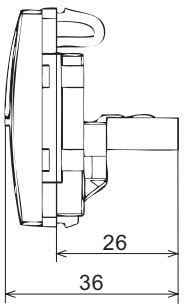
Additional bell with capacitor

Dimensions

Screw connection



Connection by insulator displacement



Indicator lamps
MGU3.775.XX

Area of application

● To indicate load status (On/ Off), room status (occupied/ free), etc., using lamp signals in 4 colours (orange, red, green or colourless).
● This product is an indicator lamp and not suitable for use as emergency lighting.

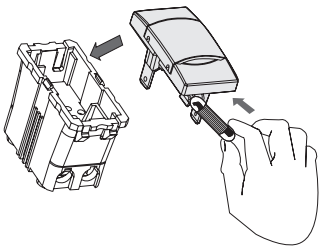
Technical data

Incorporates a neon bulb, ref. MGU0.821.

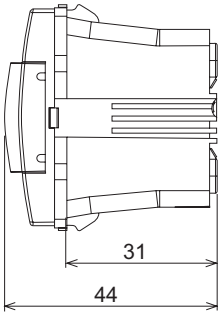
Standards

In accordance with LV and EMC directives.

Neon bulb replacement



Dimensions (mm)



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LSB03404EN

Buzzers
MGU3.785.XX

Area of application

- This product is used as a call signal at the entrance to homes, offices and businesses or to indicate an alert in technical alarm systems (intermittent operation).
- With adjustable volume.

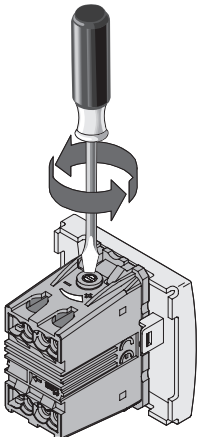
Technical data

- Rated voltage: 230 V AC ± 10 %, 50-60 Hz.
- Volume can be adjusted using a screw located on the side.
- Acoustic output: between 76 and 80 dB.
- Consumption: 40 mA.
- Maximum continuous operation time: 60 s.

Standards

In accordance with LV and EMC directives.

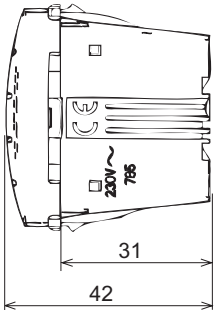
Volume setting



Connections

- Terminal identification: L (phase), N (neutral)
- Connection terminals: screw connection for cables up to 2 x 1.5 mm^2.

Dimensions (mm)



Electronic bells
MGU3.786.XX

Area of application

● It is particularly appropriate for homes, offices and so on, where it is necessary to distinguish between someone ringing from outside the building and an internal service bell (for example the electronic door control for the whole building and the entrance door).

Technical data

● Rated voltage: 230 V AC ± 10 %, 50-60 Hz.
● Number of programmable melodies: 5.
● Conventional push-buttons with or without indicator lamp can be used for electonic bell:
○ maximum number of push-buttons connected in parallel without indicator lamp: 10,
○ maximum number of push-buttons connected in parallel with indicator lamp: 3.
● Acoustic output: 70 db/ 1 m.
● Consumption: 14 mA.

Standards

In accordance with IEC 62080.

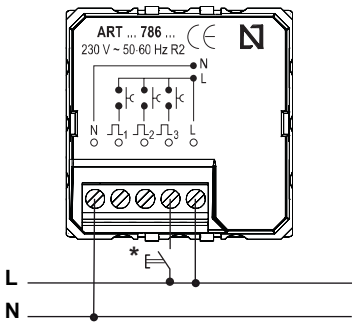
Use

The bell has 3 different inputs for the various push-buttons. 5 melodies are provided and a different one can be programmed for each input (see **Melody selection programming)**.

Melody selection programming

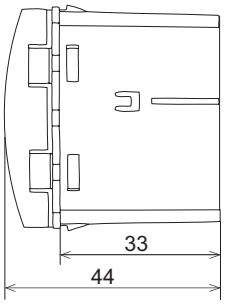
● Press the button for 15 s to access the melody programming mode. The bell plays all the available melodies in turn until you press briefly to make your choice. If no melody has been selected within approximately 3 minutes, the bell returns to its initial state and the original melody remains unchanged.
● Different melodies can be selected for the other bell inputs (push-buttons).

Connections



* Use of a maximum of 10 push-buttoms without indicator lamp connected in parallel or 3 push-buttoms with indicator lamp connected in parallel.
● Connection terminals: screw connection for cables up to 2 x 1.5 mm².

Dimensions (mm)



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Emergency lights
MGU3.776.T

Area of application

Emergency lighting should the electrical power supply fail in the residential and tertiary sectors, for lighting of stairways, corridors and premises open to the general public.

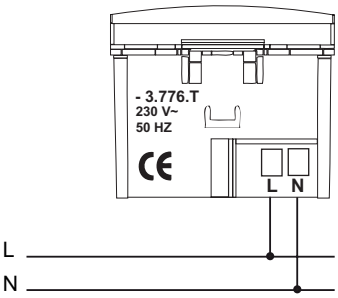
Technical data

- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Battery charging: 24 h.
- Autonomy: 1 h.
- Green LED: On indicates connection to the electrical network and that the battery is in charging phase or fully charged.
- Green LED: Off indicates that the battery is not being charged.
- Transparent diffuser.
- Battery life: 500 cycles.
- Bulb life: 400 h.
- Bulb and battery cannot be replaced.
- Brightness with diffuser/distance: 45 lux/ 25 cm.

Standards

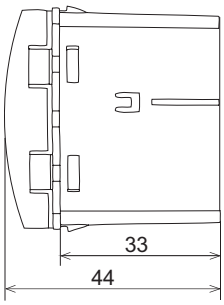
In accordance with EN 60598-2-22 concerning emergency lighting and with LV and EMC directives.

Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm².

Dimensions (mm)



Autonomous pilotlamps
MGU3.780.T (autonomous pilotlamps)

Area of application

Emergency lighting should the electrical power supply fail in the residential and tertiary sectors, for lighting of stairways, corridors and premises open to the general public.

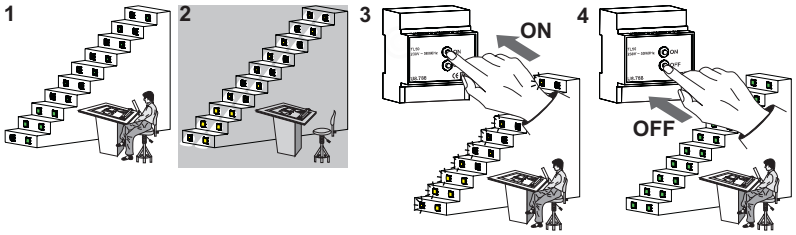
Technical data

MGU3.780T autonomous pilotlamps
- Rated voltage: 230 V AC ± 10 %, 50 Hz.
- Luminous flux: 2 lumens.
- Autonomy: 3 h.
- Batteries: 2 x 1.2 V - 0.3 Ah.
- Minimum charging time: 24 h.
- Impact strength: IK07.

Standards

In accordance with EN 60598-2-2.

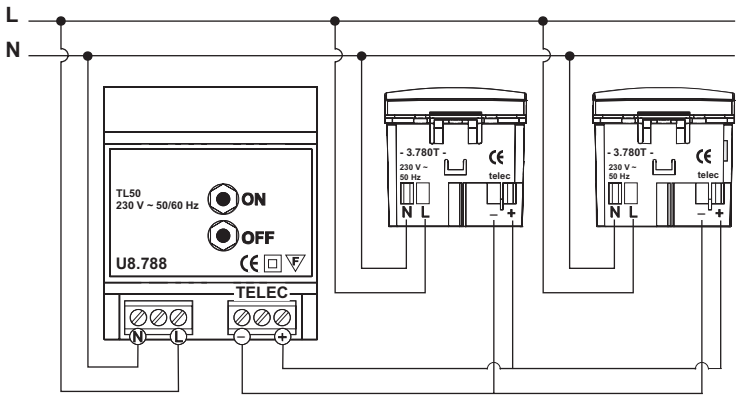
Use



- The autonomous pilotlamp (MGU3.780.T) is connected to the electrical network. When the latter is energised, a green LED lights up on the autonomous pilotlamp (drawing **1**). In event of a power cut, the pilotlamp remains lit by means of 2 yellow Leds (drawing **2**). The autonomous pilotlamp has an autonomy of 3 h.
- If the electrical network is energised and the green LED is not lit, this means that the battery is completely discharged. The product must then be replaced.
- The telecommand unit (MGU8.788) is an optional product allowing the following:
  - stanby state: if the electrical network has failed and the pilotlamp are in the emergency position (drawing **2**), press “Off” for pilotlamps to move to the standby state (all Leds Off). Press “On” for the pilotlamps to move to the emergency position (drawing **2**); yellow Leds will come on.
  - emergency light/ switching test: if the electrical network is energized, press “On” for the autonomous pilotlamps to move to the emergency position (**3**); they will remain in this position as long as “On” is pressed. Stop pressing “On” and the pilotlamps will move to the alert position and the green LED will come on (drawing **4**).

Connections

Connection terminals: screw connection for cables up to 2 x 2.5 mm².

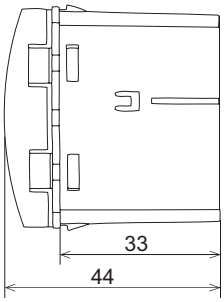


MGU3.788 telecommand unit (optional)

MGU3.780T autonomous pilotlamps, Max 50 pilotlamps connected

Dimensions (mm)

MGU3.780T autonomous pilotlamps



MGU3.788 telecommand unit

Installed in the distribution cabinet ,4 modules, to be mounted on DIN rail or surface-mounted.

Battery powered push-buttons
MGU86.071.XX - MGU88.071.XX

Area of application
The Unica wireless battery-powered push-buttons are used to control Unica wireless receivers for both light and roller blinds such as; combined modules and mobile socket outlets.

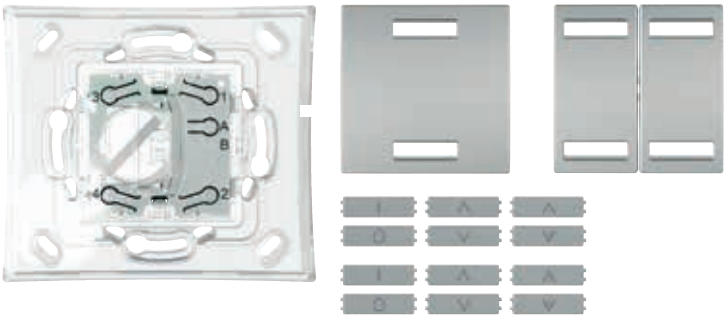
Technical data
- Transmission frequency: 868 MHz.
- Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Battery: 3 V button battery, CR2032 type.
- Battery life time: depends on use, usually between 5 and 7 years (approximately 20,000 operations at 20°C).
- Operating temperature: - 5°C to + 50°C.
- Humidity: 20% - 95% without condensation.
- Protection class: IP 20.

Standards
In accordance with:
- EN 61000-6-2, EN 61001-6-3.
- ETSI EN 300220, ETSI EN 301489.
- EMC directive: 89/336/EEC.
- R&TTE directive: 99/5/EEC.

Symbols for scenarios
- When this product is used in a scenario mode, you can add symbols to match the function of the product.
- Set of 16 symbols for scenarios.
- Reference MGU0.570.XX.

Advantages
- You can easily convert a wired one-way switch into a two-way switch.
  - Just replace it with a combined relay (or combined dimmer) and add one or more battery-powered push-buttons.
  - The conversion does not require any rewiring or other work that will damage the room (walls, wallpaper, paintwork, etc.). It can all be completed in just a few minutes, without any dust and without moving any furniture.
- It takes just a few moments to add an extra control point.
- You can mount the 2 modules cover on the battery powered push-button device to control one receiver and you can easily replace the 2 modules cover by two 1 module covers to control other receivers.

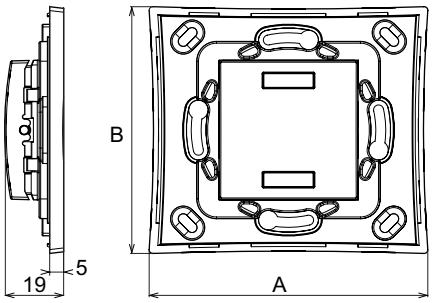
Installation
- They can be screwed or stucked directly onto the wall (with glue, adhesive tape, etc.); they can be installed anywhere in the house: at the end of the bed, in a corridor and on all types of materials (glass, wood, etc.).
- Each push-button can be programmed in Simple mode or Scenario mode using the supplied set of symbols for t he various functions.



- The Unica wireless battery-powered push-button is supplied with:
  - A CR2032 type lithium battery.
  - 2 narrow covers (1 module covers).
  - 1 large cover (2 modules cover).
  - A set of 12 symbols to customize the covers: 2 symbols «1/0», 2 symbols «dimmer-up/dimmer-down» and 2 symbols «roller blind up/roller blind down, roller blind all-up/all-down»).

Programming
Programming operation follows the same principles as described in the «Unica wireless system» part.

Dimensions (mm)



	A (mm)	**B** (mm)
Unica Colors, Unica Basic	80	80
Unica Top, Unica Plus	90	80
Unica Class	96	88

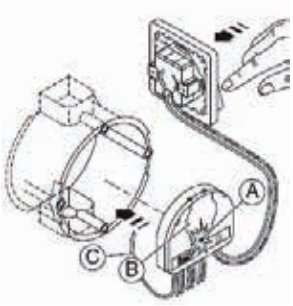
Universal emitter
CCT1A030

Area of application
- The Unica universal emitter is used to convert any push-button (but not the switches) to a wireless emitter.
- It control Unica wireless receivers such as universal receiver relays,combined modules or mobile socket-outlets.

Technical data
- 4 wireless channels for programming in Simple or Scenario mode.
- Transmission frequency: 868 MHz.
- Transmission distance: up to100 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Battery: Lithium battery, CR2032 type (1 battery supplied).
- Battery life time: depends on use, usually between 5 and 7 years (approximately 20,000 operations at 20°C).
- Operating temperature: - 5 °C to + 50 °C.
- Humidity: 20% - 95% without condensation.

Standards
In accordance with:
- EN 61000-6-2, EN 61001-6-3.
- ETSI EN 300220, ETSI EN 301489.
- EMC directive: 89/336/EEC.
- R&TTE directive: 99/5/EEC.

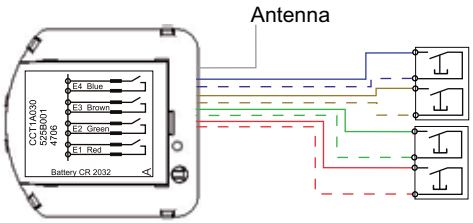
Installation
- The universal emitter is to be hidden-mounted, close to the push-buttons, for example behind the push-buttons in the installation box.
- Metal surfaces close to the transmitter can affect emission. If possible, avoid to install the flush mounted transmitter in a metal box.
- Never install the universal emitter in a flush mounted box where there are 230 V cables.



A: Programming LED
B: Battery location
C: Antenna

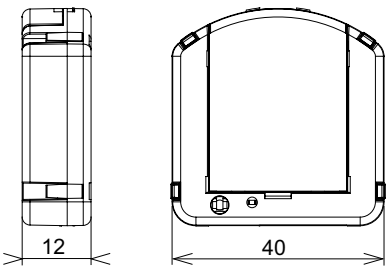
Programming
- Programming operation follows the same principles as a normal battery-powered push-button.
- Each of the four wire pairs represents one side of a rocker.

Connections
- If only 1 function is needed (e.g. on/off), only connect the pairs E1 and E2 to push-buttons.
  - The push-button connected to pair E1 will be used for ON (or dim-up with a long push for a dimmer).
  - The push-buttons connected to pair E2 will be used for OFF (or dim-down with a long push for a dimmer).
- If 2 functions are needed, connect also E3 and E4 to 2 push-buttons.



Input E4: blue and white-blue cables, input E3: brown and white-brown cables, input E2: green and white-green cables, input E1: red and white-red cables.

Dimensions (mm)
- H x W x D : 42 x 40 x 12 mm without cables.
- Cables length: 270 mm.



Life Is On Schneider Electric

Unica Wireless

Metal remote control

CCT1A000

Area of application

- The Unica metal remote control is used to remotely control the Unica wireless receivers and comnined modules.
- Its elegant design and particularly stylish finish makes it a decorative object that can be left in full view on a piece of furniture.

Technical data

- 8 channels which can be programmed in Simple or Scenario mode.
- Transmission frequency: 868 MHz.
- Transmission distance: 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Battery: 2 AAA (LR3) batteries (2 batteries supplied).
- Operating temperature: - 5 °C to +50 °C.
- Humidity: 20% - 95% without condensation.
- Protection class: IP 20.

Standards

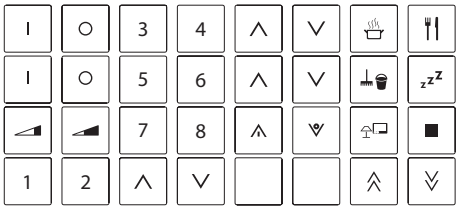
In accordance with:

- EN 61000-6-2, EN 61001-6-3, IEC60068-2-6, IEC60068-2-27.
- ETS300220-1, ETS300220-2.
- EMC directive: 2004/108/EC.
- R&TTE directive: 99/5/EEC.

Advantages

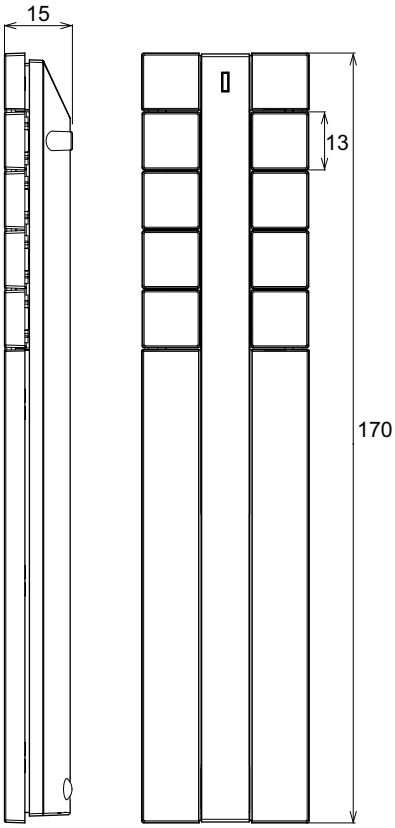
- The metal remote control can be customized via its set of 32 keys containing a large number of symbols.
- Its keys can be fitted for vertical or horizontal use to control the lighting and roller blinds.
- The metal remote control is supplied with:
  - 32 keys with symbols.
  - 2 AAA (LR3) batteries.

8 keys to remotely control the lighting and roller blinds



32 keys with symbols to customize the metal remote control

Dimensions (mm)



Unica Wireless

Keyring remote control

CCT1A010

Area of application

● The Unica keyring remote control is mainly designed to remotely control the utilities in a bedroom or office. Each member of the family can have one to control the lights and roller blinds in their room.
● It can also be used to control the outdoor lighting, the garage door or the front gate of the house.

Technical data

● 4 channels which can be programmed in Simple or Scenario mode.
● Transmission frequency: 868 MHz.
● Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
● Battery: 3 V battery, CR2032 type (1 battery supplied).
● Battery life time: depends on use, usually between 5 and 7 years (approximately 20,000 operations at 20°C).
● Operating temperature: - 5 °C to +50 °C.
● Humidity: 20% - 95% without condensation.
● Protection class: IP 20.

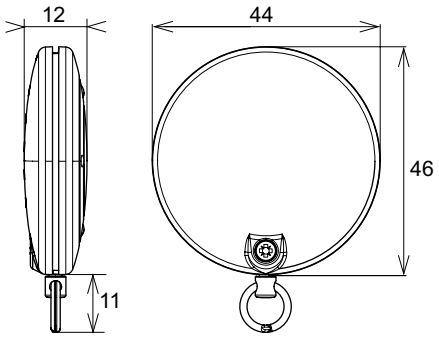
Standards

In accordance with:
● EN 61000-6-2, EN 61001-6-3, IEC60068-2-6, IEC60068-2-27.
● ETS300220-1, ETS300220-2.
● EMC directive: 2004/108/EC.
● R&TTE directive: 99/5/EEC.

Advantages

● The keyring remote control is small enough to slip easily into a pocket.
● Its original, ergonomic design ensures that it is convenient and pleasant to use.
● Its metal ring allows it to fit onto a key ring.

Dimensions (mm)



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Version : 1.0 - 27 avril 2016
LSB03404EN

Combined relays
MGU3.572.XX – 2300 W

Area of application
● The Unica wireless combined relays contain both an emitter and a receiver.
● Each combined relay can replace an existing switch to control a lamp locally or remotely (via a battery-powered push-button or via the remote control).

Technical data
● Rated voltage: 110-230 V AC ± 10 %, 50-60 Hz.
● Transmission frequency: 868 MHz.
● Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
● Protection: 10 A fuse.
● Operating temperature: - 5 °C to +50 °C.
● Humidity: 20% - 95% without condensation.
● Protection class: IP 20.

Load table

25 °C 230 V 50 Hz	1	2	3	4	5	6	7
Max. W/VA	2300	2000	500	920	880	880	690

1 - Incandescent lamps
2 - Halogen lamps
3 - Low voltage halogen lamps with ferromagnetic transformer or with toroidal transformer or with electronic transformer
4 - Fluorescent tubes dia. 28 or 38 mm
5 - Compact fluorescent lamps
6 - LED lamps
7 - Motors and ventilators

Standards
In accordance with:
● EN 60669-1, EN 60669-2-1.
● ETSI EN 300220, ETSI EN 301489.
● EMC directive: 89/336/EEC.
● LVD directive: 73/23/EEC.
● R&TTE directive: 99/5/EEC.

Symbols for scenarios
● When this product is used in a scenario mode, you can add symbols to match the function of the product.
● Set of 16 symbols for scenarios.
● Reference MGU0.570.XX.

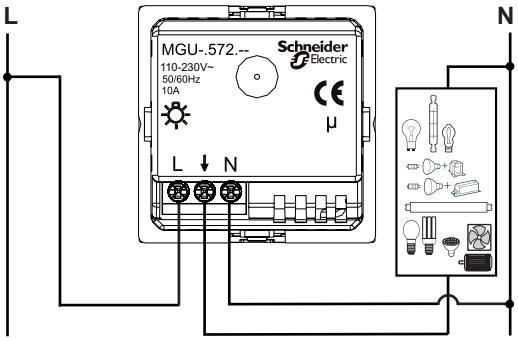
Advantages
● You can easily convert a wired one-way switch into a two-way switch.
Just replace it with a combined relay and add one or more battery-operated push-buttons.
● You can choose to use the combined relays:
○ To control only the connected load, using the large cover (2 modules).
○ To control both the connected load and other Unica wireless receivers such as mobile socket-outlets, using the 2 narrow covers (2 x 1 module covers).

Installation
● The combined relays can be installed:
○ In flush-mounted box at least 40 mm deep with an universal Unica fixing frame with or without claws.
○ In Unica surface-mounted boxes.

● The Unica wireless combined relay is supplied with:
○ 2 narrow covers (1 module covers).
○ 1 large cover (2 modules cover).
○ A set of 8 symbols to customize the covers (2 symbols «1/0» and 2 symbols «dimmer-up/dimmer-down»).

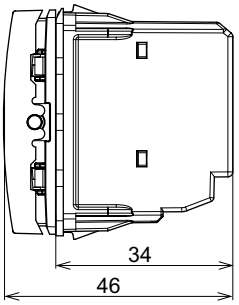
Programming
Programming operation follows the same principles as described in the «Unica wireless system» part.

Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm2.

Dimensions (mm)

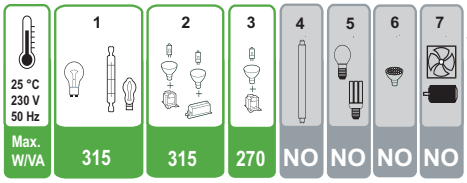


Combined dimmers
MGU3.573.XX – 20-315 W

Area of application
● The Unica wireless combined dimmers contain both an emitter and a receiver.
● Each combined dimmer can replace an existing switch to control a lamp locally or remotely (via a battery-powered push-button or via the remote control).
● They allow to create soft lighting atmospheres and saving energy as they reduce the current supplying the load.

Technical data
● Rated voltage: 230 V AC ± 10%, 50 Hz.
● Transmission frequency: 868 MHz.
● Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
● Protection: Electronic, protection against overloads, temperature rises, short-circuits and damage from inappropriate loads.
● Operating temperature: - 5 °C to +35 °C.
● Humidity: 20% - 95% without condensation.
● Protection class: IP 20.

Load table
● Minimum load: 20 W.



1 - Incandescent lamps or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer or with electronic transformer
3 - Low voltage halogen lamps with toroidal transformer
4 - Fluorescent tubes dia. 28 or 38 mm
5 - Compact fluorescent lamps
6 - LED lamps
7 - Motors and ventilator

Standards
In accordance with:
● EN 60669-1, EN 60669-2-1, EN 61000-6-2, EN 61000-6-3.
● ETSI EN 300220, ETSI EN 301489.
● EMC directive: 89/336/EEC.
● LVD directive: 73/23/EEC.
● R&TTE directive: 99/5/EEC.

Symbols for scenarios
● When this product is used in a scenario mode, you can add symbols to match the function of the product.
● Set of 16 symbols for scenarios.
● Reference MGU0.570.XX.

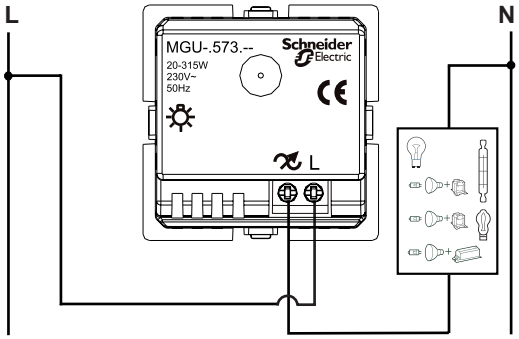
Advantages
● You can easily convert a wired one-way switch into a two-way switch.
Just replace it with a wireless combined dimmer and add one or more battery-operated push-buttons.
● You can choose to use the wireless combined dimmer:
○ To control only the connected load, using the large cover (2 modules).
○ To control both the connected load and other Unica wireless receivers such as mobile socket-outlets, using the 2 narrow covers (2 x 1 module covers).

Installation
● The wireless combined dimmers can be installed:
○ In flush-mounted box at least 40 mm deep with an universal Unica fixing frame with or without claws.
○ In Unica surface-mounted boxes.

● The wireless combined dimmer is supplied with:
○ 2 narrow covers (1 module covers).
○ 1 large cover (2 modules cover).
○ A set of 8 symbols to customize the covers (2 symbols «1/0» and 2 symbols «dimmer-up/dimmer-down»).

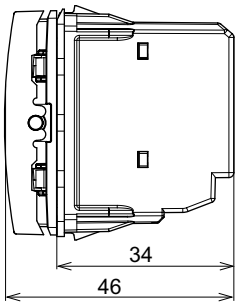
Programming
Programming operation follows the same principles as described in the «Unica wireless system» part.

Connections



Connection terminals: screw connection for cables up to 2 x 2.5 mm².

Dimensions (mm)



Combined roller blinds
MGU3.574.XX

Area of application
● The Unica wireless combined roller blinds are used to remotely control the opening and the closing of all the roller blinds in a room (or house).
● They are typically used to create centralisation of roller blinds without new wires or holes.

Technical data
● Rated voltage: 110/230 V AC ±10%, 50-60 Hz.
● Transmission frequency: 868 MHz.
● Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
● Protection: protection against one shot overload with thermofuse and with main fuse 10 A.
● Operating temperature: - 5 °C to +50 °C.
● Humidity: 20% - 95% without condensation.
● Protection class: IP 20.
● Maximum load: 690 W, single phase tubular motors for roller blind (with or without limit switches).

Standards
In accordance with:
● EN 60669-1, EN 60669-2-1.
● ETSI EN 300220, ETSI EN 301489.
● EMC directive: 89/336/EEC.
● R&TTE directive: 99/5/EEC.

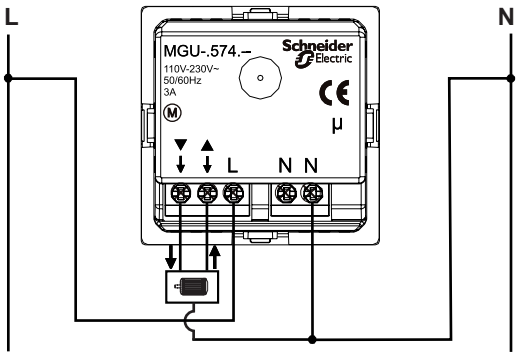
Symbols for scenarios
● When this product is used in a scenario mode, you can add symbols to match the function of the product.
● Set of 16 symbols for scenarios.
● Reference MGU0.570.XX.

Advantages
● A centralised roller blinds control can be created without any rewiring and requires no repair work: no damaged walls, wallpaper, paint, etc. It can all be completed in just a few minutes, without any dust and without moving any furniture.
● Just replace each existing individual wired control with a Unica wireless combined roller blind module, then add Unica battery-powered push-button for centralised control in the required position.

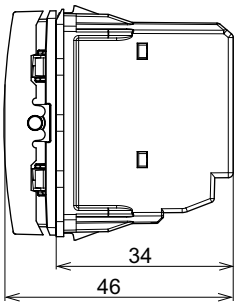
Installation
● The wireless combined roller blinds can replace an existing mechanical roller blinds control.
● You can choose to use the wireless combined roller blinds:
○ To control locally the connected roller blind, using the large cover (2 modules).
○ To control both; locally the connected roller blind and remotely other roller blinds, using the 2 narrow covers (2 x 1 module covers). Centralised control can therefore be created in just a few minutes.
● The combined roller blinds can be installed:
○ In flush-mounted box at least 40 mm deep with an universal Unica fixing frame with or without claws.
○ In Unica surface-mounted boxes.

● The wireless combined roller blind is supplied with:
○ 2 narrow covers (1 module covers).
○ 1 large cover (2 modules cover).
○ A set of 4 symbols to customize the covers (roller blind up / roller blind down and roller blind all-up/all-down).

Programming
Programming operation follows the same principles as described in the «Unica wireless system» part.

Connections


Connection terminals: screw connection for cables up to 2 x 2.5 mm².

Dimensions (mm)


Mobile socket-outlet relays

CCT1A020 (german type) - CCT1A022 (french type)

Area of application

- The Unica wireless mobile socket-outlet relays are used to remote control the lamps or devices connected to them.
- They can be linked with the other Unica wireless products by simple programming.
- They are appropriate for use with all standard sockets fitted at home.

Technical data

- Rated voltage: 230 V AC ±10%, 50 Hz.
- Transmission frequency: 868 MHz.
- Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Operating temperature: - 5 °C to +50 °C.
- Humidity: 20% - 95% without condensation.
- Protection class: IP 20.

Load table

25 °C 230 V 50 Hz	1	2	3	4	5	6
Max. W/VA	2300	1840	1840	1840	1840	1380

1 - Incandescent lamps or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer or with electronic transformers
3 - Fluorescent tubes dia. 28 or 38 mm
4 - Compact fluorescent lamps
5 - LED lamps
6 - Motors and ventilators

Standards

In accordance with:
- IEC 60669-1, IEC 60669-2-1, IEC 61000-6-2, IEC61000-6-3.
- ETSI EN 300220, ETSI EN 301489.
- EMC directive: 89/336/EEC.
- LVD directive: 73/23/EEC.
- R&TTE directive: 99/5/EEC.

Advantages

- You can switch all the lamps connected to a socket on or off in one go.
- The lamps can be operated (switched on, off) locally via the key located on the mobile socket-outlet or remotely by using Unica battery-powered push-button or Unica remote controls.
- You can include your decorative lamps, halogen lamps, etc. in your Scenarios.

French type
mobile socket-outlet relay

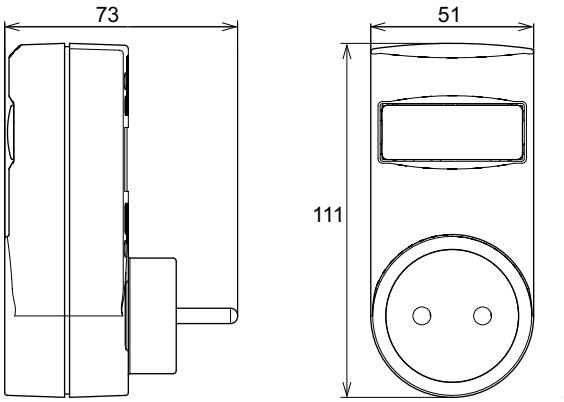
German type
mobile socket-outlet relay

Programming keys

Programming

Programming operation follows the same principles as described in the «Unica wireless system» part.

Dimensions (mm)



Mobile socket-outlet dimmers

CCT1A021 (german type) - CCT1A023 (french type)

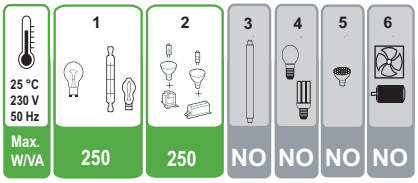
Area of application

- The Unica wireless mobile socket-outlet dimers are used to remote control the lamps or devices connected to them.
- They can be linked with the other Unica wireless products by simple programming.
- They are appropriate for use with all standard sockets fitted at home.
- They allow to create soft lighting atmospheres and saving energy as they reduce the current supplying the load.

Technical data

- Rated voltage: 230 V AC ± 10%, 50 Hz.
- Transmission frequency: 868 MHz.
- Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Protection: electronic, against overloads, temperature rises, short-circuits and damage from inappropriate loads.
- Operating temperature: - 5 °C to +35 °C.
- Humidity: 20% - 95% without condensation.
- Protection class: IP 20.

Load table



1 - Incandescent lamps or halogen lamps
2 - Low voltage halogen lamps with ferromagnetic transformer or with electronic transformers
3 - Fluorescent tubes dia. 28 or 38 mm
4 - Compact fluorescent lamps
5 - LED lamps
6 - Motors and ventilators

Standards

In accordance with:
- IEC 60669-1, IEC 60669-2-1, IEC 61000-6-2, IEC61000-6-3.
- ETSI EN 300220, ETSI EN 301489.
- EMC directive: 89/336/EEC.
- LVD directive: 73/23/EEC.
- R&TTE directive: 99/5/EEC.

Advantages

- You can switch all the lamps connected to a socket on or off in one go.
- The lamps can be operated (dimmed, switched on, off) locally via the key located on the mobile socket-outlet dimmer or remotely by using Unica battery-powered push-button or Unica remote controls.
- You can include your decorative lamps, halogen lamps, etc. in your Scenarios.

French type
mobile socket-outlet dimmer

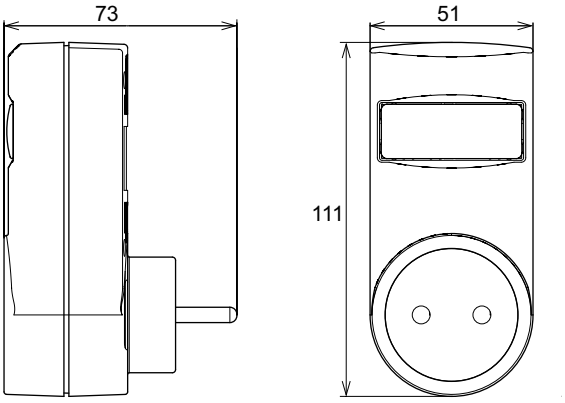
German type
mobile socket-outlet dimmer

Programming keys

Programming

Programming operation follows the same principles as described in the «Unica wireless system» part.

Dimensions (mm)

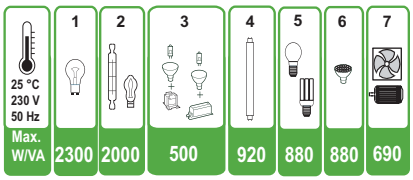


Universal receiver relay
CCT1A031 – 2300 W

Area of application
The Unica wireless universal receiver relay is used to switch an electrical load (ceiling lamp, fan, etc.). It receives wireless control orders from wireless emitters or combined modules.

Technical data
- Rated voltage: 127/230 V AC ± 10%, 50/60 Hz.
- Transmission frequency: 868 MHz.
- Transmission distance: up to 100 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Protection: protection against one shot overload with thermofuse and with main fuse 10 A.
- Operating temperature: - 5 °C to +50 °C.
- Humidity: 20% - 95% without condensation.
- Protection class: IP20.

Load table
Minimal load: 5 W.



1 - Incandescent lamps
2 - Halogen lamps
3 - Low voltage halogen lamps with ferromagnetic transformer or with toroidal transformer or with electronic transformers
4 - Fluorescent tubes dia. 28 or 38 mm
5 - Compact fluorescent lamps
6 - LED lamps
7 - Motors and ventilators

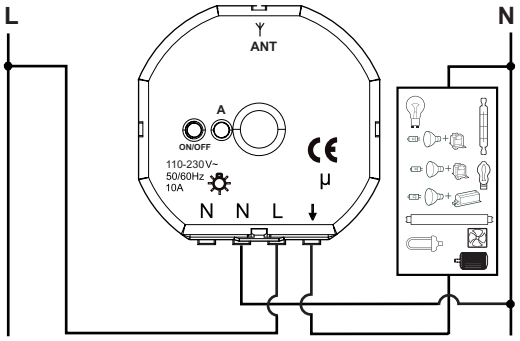
Standards
In accordance with:
- EN 60669-1, EN 60669-2-1, EN 61000-6-2, EN 61000-6-3.
- ETSI EN 300220, ETSI EN 301489.
- EMC directive: 89/336/EEC.
- R&TTE directive: 99/5/EEC.

Advantages
- The universal receiver allows all types of electrical appliances to be remotely controlled.
- It can be hidden in the installation to preserve the aesthetic appearance of the room.
- You can easily separate two lighting points to allow them to be controlled separately.

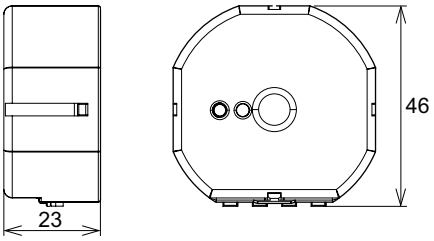
Just fit a wireless universal receiver at each lighting point, then use Unica wireless products to control them such as; battery-powered push-button, universal emitter or remote control.
- It takes just a few moments to add an extra control point.

Installation
- The universal receiver can be mounted in various ways:
  - Flush-mounted in the ceiling in a box with a minimum depth of 40 mm.
  - Concealed in the base of a ceiling light. A hook can be passed through the hole in the centre to fix the lamp.
  - Concealed in a suspended ceiling.
  - In a flush wall-mounted box, behind a blanking plate.
- Metal surfaces near the receiver may affect reception.
- It is easy to program via the programming keys.
- It has no control button: it can only be remote controlled.

Connections



Dimensions (mm)
- H x W x D : 46 x 46 x 23 mm without cables.
- Cables length: 200 mm.



Unica Wireless
Test kit
CCT1A090

Area of application
The Unica wireless Test kit is used to test the transmission quality of the radio signal.

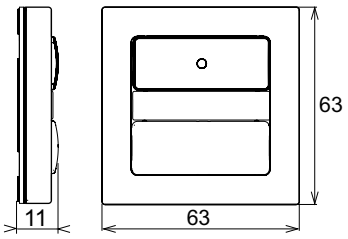
Technical data
- Transmission frequency: 868 MHz.
- Transmission distance: up to 300 m outdoor and typically 10-50 m indoor (depending on the construction material).
- Battery: 3 V battery, CR2032 type, supplied with 2 batteries (one for each testing device).
- Battery life time: depends on use, usually between 5 and 7 years (approximately 20,000 operations at 20°C).
- Operating temperature: - 5 °C to +50 °C.
- Humidity: 20% - 95% without condensation.
- Protection class: IP 20.

Standards
In accordance with:
- EN 61000-6-2, EN 61001-6-3.
- ETSI EN 300220, ETSI EN 301489.
- EMC directive: 89/336/EEC.
- R&TTE directive: 99/5/EEC.

Installation
- The Unica wireless test kit is supplied with 2 identical products to be used by pair (1 emitter, 1 receiver).
- Place the Unica test devices in the various rooms where the equipment is to be installed to check the quality of the radio signal link.

3 LED indicate the radio signal reception level (green, orange, red).

Dimensions (mm)

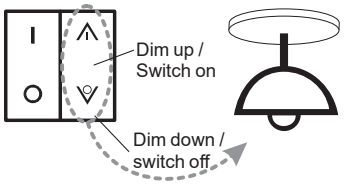


Introduction

- The Unica wireless system is used for wireless control of lamps and other electrical equipement.
- The system consist of emitters, receivers and combined modules containing both emitters and receivers.
- The Unica wireless products can be programmed and thus linked with 2 different programming modes:
  - Simple mode programming.
  - Scenario mode programming.
- Each time you program a function between an emitter and a receiver you create a link. Unica wireless products can contain up to 32 links, except the combined modules which can contain up to 64 links.

Simple mode

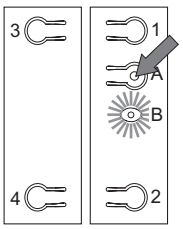
- "Simple mode" is used to link Unica wireless products for simple functions such as on/off, dim (for receivers with the dimmer function), open/close (for roller blinds).
One or more emitters can be linked to one or more receivers.
- "Simple mode" is always usind the 2 poles of a key:
  - Top to switch on/dim up/open.
  - Bottom to switch off/dim down/close.



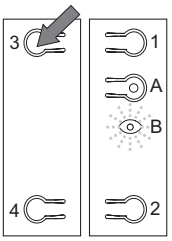
Example of "simple mode" for light dimming

The covers (2 modules or 2 x 1 module) have to be removed to acess to the programming keys and the emitters have to be programmed before the receivers.

Emitter(s) programming



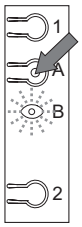
Start the programming by pressing the programming button **A** once.
LED **B** lights up red.



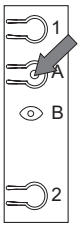
Before 5 s, select the decided pair of keys: Press **3** or **4** to select the left side (it makes no difference whether you press **3** or **4**), or press **1** or **2** to select the right side. LED **B** flashes red.

Repeat this operation on other emitter(s) if needed.

Receiver(s) programming



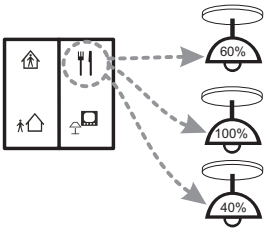
Select the receiver by pressing the programming button **A** once.
Wait until LED **B** flashes red. (after 5 s with a combined module).
Repeat this operation on other receiver(s) if needed.



Finish the programming by pressing programming button **A** of any receiver.
All LEDs are switched off.

Scenario mode

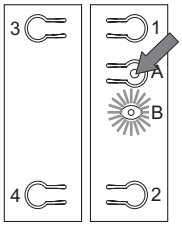
- The Unica wireless system can be programmed to remember various settings, called "Scenario mode". With a "Scenario mode" you get predefined lighting atmospheres with just one press of a key.
- "Scenario mode" is particularly useful when the receivers are designed as dimmers.
A "Turn off all" function should be programmed into all "Scenario mode".
- With a "Scenario mode", each pole is independant and activates it's scenario.



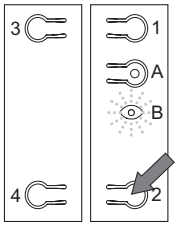
Example of "Scenario mode" for dinner

The covers (2 modules or 2 x 1 module) have to be removed to acess to the programming keys and the emitters have to be programmed before the receivers.

Emitter(s) programming



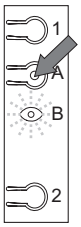
Start the programming by pressing the programming button **A** twice.
LED **B** lights up green.



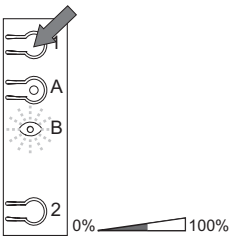
Before 5 s, select a key:
Press **1**or **2** to select the top or bottom part of the right side.
or press **3** or **4** to select the top or bottom part of the left side.
LED **B** flashes green.

Repeat this operation on other emitter(s) if needed.

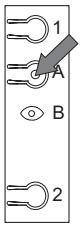
Receiver(s) programming



Select the receiver by pressing the programming button **A** once.
Wait until LED **B** flashes green. (after 5 s with a combined module).



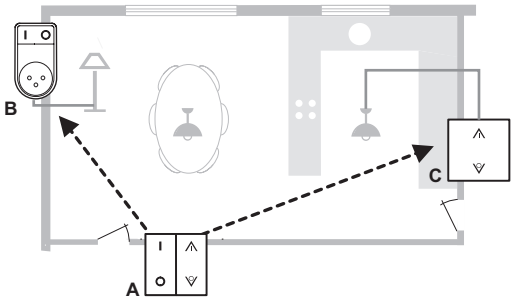
If the receiver has a dimmer function, set the desired level using buttons **1** or **2**.
If the receiver has a relay function, set the state you want (on/off) by pressing the same buttons.
LED **B** lights up red for the first 5 s and then flashes green.



Finish the programming by pressing programming button **A** of any receiver.
All LEDs are switched off.

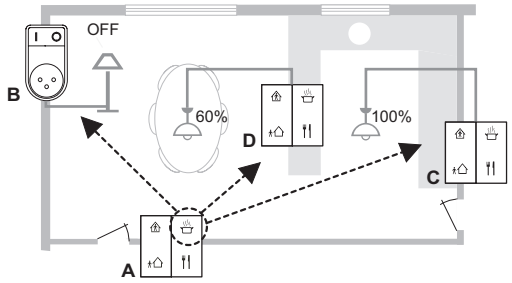
Repeat this operation on other receiver(s) if needed.

”Simple mode” example

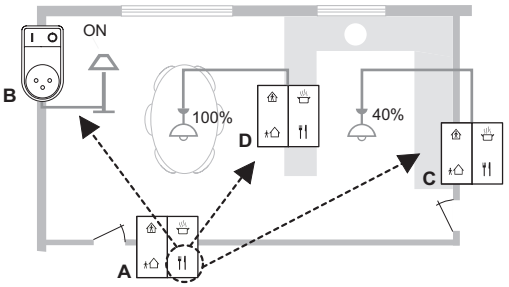


The battery-powered push-button **A** can control:
- With the left key, the lamp connected to the mobile socket-outlet **B**.
- With the right key, the ceiling lamp in the kitchen connected to the combined dimmer **C**.

”Scenario mode” example



The battery-powered push-button **A** contain 4 Scenario programs.
When the family wants to prepare food, pressing the "food preparation" symbol will cause:
- The lamp connected to the mobile socket-outlet **B** to be turned off.
- The ceiling lamp above the dinning table connected to the combined dimmer **D** to be adjusted to 60%.
- The ceiling lamp in the kitchen connected to the combined dimmer **C** to be set to 100%.



In the same way, pressing the ”eating” symbol causes:
- The lamp connected to the mobile socket-outlet **B** to be switched on.
- The ceiling lamp above the dinning table connected to the combined dimmer **D** to be adjusted to 100%.
- The ceiling lamp in the kitchen connected to the combined dimmer **C** to be set to 40%.

Finally, when you press the ”I’m home” symbol, all lamps are switched on at full strength; when you press the ”I’m leaving” symbol, everything is switched off.

Depending on the push-button, you have either two or four operating surfaces available to which you assign different functions via the ETS.
For example, you can:
- Switch and toggle
- Dimming
- Control blinds
- Save and retrieve scenes
- Call up linear regulator functions
- Save edge functions

If required, you can disable the buttons and define the type of disabling.
The push-button with an IR receiver will allow you to operate each push-button by IR remote control as well.

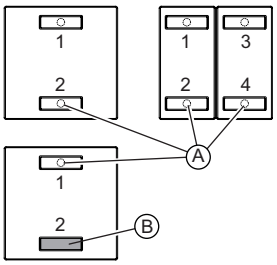
Technical data

- Power supply: DC 24 V
- KNX connection: bus connecting terminal
- Display elements:
  - Status LEDs
  - 1 programming LED
- Operating elements:
  - Control keys
  - 1 programming button
- Ambient operating temperature: -5 °C to +45 °C
- IR receiver:
  - Angle of reception: approx. 60°
  - Reception range: Dependent on the IR remote control used
- IR channels: 9
- Type of protection: IP 20
- Initialisation: The device is ready for operation after 5 to 10 seconds.

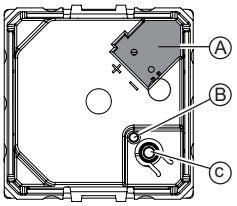
Software functions

- Switching, toggling
- Dimming (single/dual-surface)
- Blind (single/dual-surface)
- Pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation)
- Pulse edges with 2-byte telegrams (distinction between short and long operation)
- 8-bit linear regulator
- Scene retrieval
- Scene saving
- Disable functions.

Connections, displays and operating elements

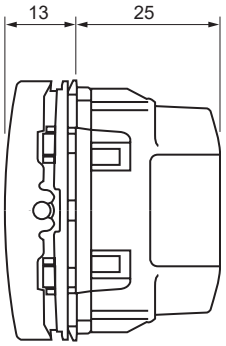


Ⓐ Status LEDs
Ⓑ IR receiver (no status LED)
1-4: Button assignment in the ETS



Ⓐ Bus connection
Ⓑ Programming LED
Ⓒ Programming button

Dimensions



Area of application

- Movement detector for indoors.
- The movement detector detects moving heat sources, (e.g. people), within a radius of 180° and up to a distance of approx. 9 m at an mounting height of 2.15 m.
- The range refers to average conditions for the specified mounting height and is therefore a guide value. The range and sensitivity can vary greatly when the temperature fluctuates.
- When a movement is detected, a defined data telegram is transmitted. The rotary switch for detection brightness is used to regulate from which ambient brightness level at which movements should be detected. Here, values between 10 and 1000 lux are possible (in the ETS value from 10 to 2000 lux are possible). The range and the overshoot time can be set at two further rotary switches.
- The movement detector also has two movement sensors. You can set their sensitivity and range sector-specifically in the ETS.
- The movement detector has an integrated bus coupler and its power is supplied via KNX.

Technical data

- Angle of detection: 180°
- Number of movement sensors: 2, sector-orientated, adjustable (ETS)
- Recommended mounting height: 1 m to 2,5 m
- Range: at 2.15 m mounting height, approx. 9 m on all sides, adjustable in 10 steps (rotary switch or ETS)
- Detection brightness: infinite setting from approx. 10 lux to approx.1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS)
- Overshoot time: adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS)

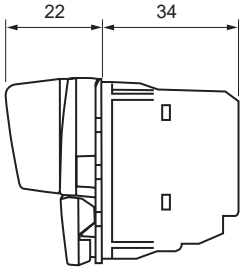
Standards

EC guidelines: Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC.

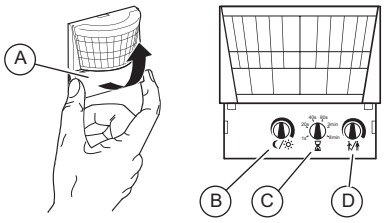
Software functions

Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation and surveillance operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer.

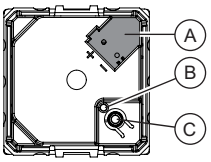
Dimensions



Connections, displays and operating elements



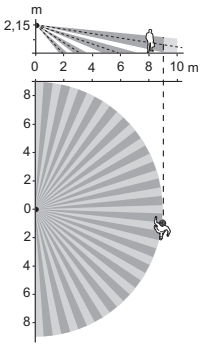
Ⓐ Cover
Ⓑ Setting the detection brightness
Ⓒ Setting the overshoot time
Ⓓ Setting the range



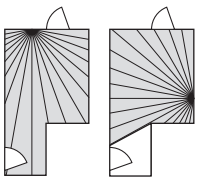
Ⓐ Bus connection
Ⓑ Programming LED
Ⓒ Programming button

Use

- Observe the area of detection: Any mounting height which deviates from this will affect the range.



- Install the movement detector laterally with respect to the direction of movement so that the beam paths are intersected as vertically as possible.
- Only mount the movement detector in positions which allow the required area to be monitored optimally.



- In order to ensure continuous monitoring, e.g. of a long hall, the areas of detection have to intersect.
- Movement detectors can detect all objects that radiate heat. You should select an installation site that will not result in undesired heat sources being detected, such as:
  - switched-on lights in the area of detection
  - open fires (such as in fireplaces)
  - windows where the influence of alternating sunlight and clouds could cause rapid changes in temperature.
  - larger heat sources (e.g. cars), that are detected through windows.
  - sunlit rooms with reflecting objects (e.g. the floor), which can be the cause of rapid changes in temperature.
  - windowpanes heated up by sunlight
  - dogs, cats, etc.
- Install movement detectors in a wind-resistant switch box: With switch boxes and pipe cabling systems, a draught at the back of the equipment could trigger the movement detector.
- Avoid direct sunlight. This can destroy the sensor in extreme cases.

KNX room temperature control unit

Area of application

The Room temperature control unit with display (referred to as Controller from here on) can be used for heating and cooling with infinitely variable KNX valve drives or for controlling switch actuators and heating actuators.

Technical data

- Power supply: via KNX
- Power consumption: approx. 9 mA
- Connection: bus connecting terminal
- Display elements: 1x display
- Operating elements: 4 push-buttons
- Measuring range: 0 to 40 °C
- Measuring accuracy: ± 1 K, depending on installation site; offset can be parameterised
- Operating temperature: -5°C to +45°C
- Controller type:
  - 2-step
  - Continuous PI controller
  - Switching PI controller (PWM)
- Controller mode:
  - heating with 1 controller output
  - Cooling with 1 controller output
  - Heating and cooling with
  - separate controller outputs
  - 2-step heating with
  - 2 controller outputs
  - 2-step cooling with
  - 2 controller outputs
- Type of protection: IP 20
- EC guidelines:
  - Low-voltage guideline 2006/95/EEC
  - EMC directive 2004/108/EEC

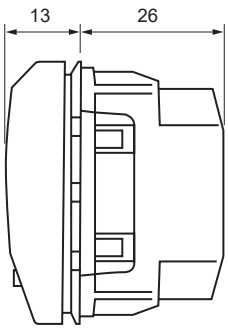
Software functions

Functions of the room temperature control unit:

- Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)
- Output: continuous in the range 0 to 100% or switching ON/OFF
- Controller mode:
  - Heating with one controller output
  - Cooling with one controller output
  - Heating and cooling with separate controller outputs
  - Heating and cooling with one controller output
  - 2-step heating with 2 control outputs
  - 2-step cooling with 2 control outputs
  - 2-step heating and cooling with 4 control outputs
- Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection
- Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.
- Monitoring function for the actual temperature, valve protection function.

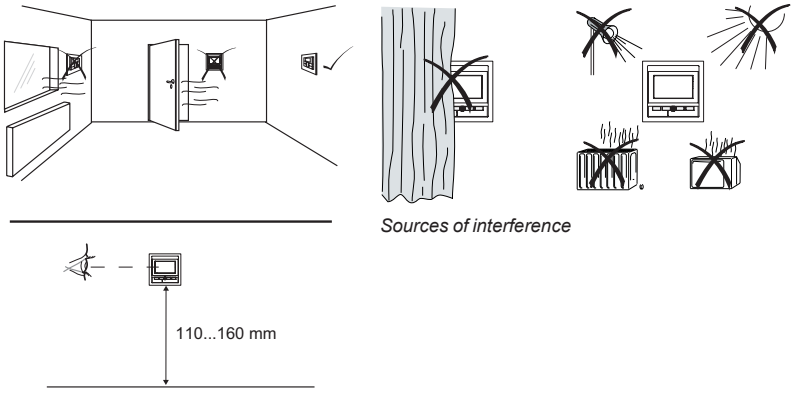
Functions of the push-buttons:
Selection of 1- 4 operating modes each push-button. Move setpoint.

Dimensions



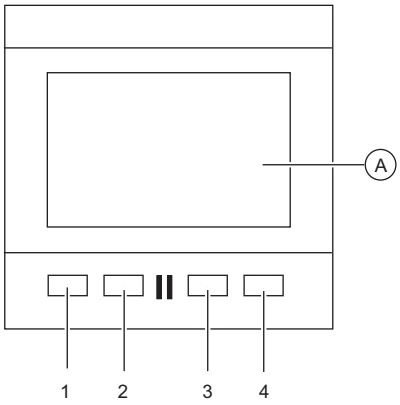
Use

KNX Room temperature control unit with display and 4 buttons. 2 buttons allow to shift set values and change operation modes, the other 2 buttons are used for navigation in the menu. The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

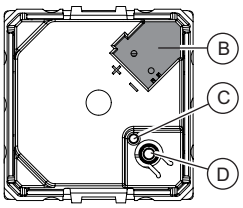


Sources of interference

Connections, displays and operating elements



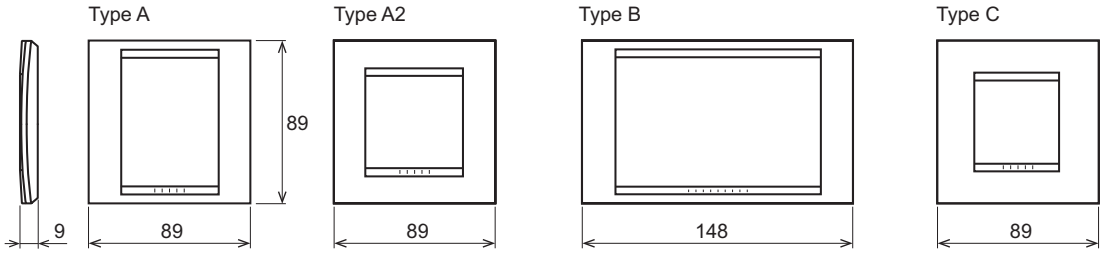
1 + 4: Menu navigation push-buttons
2 + 3: Push-buttons
Ⓐ Display



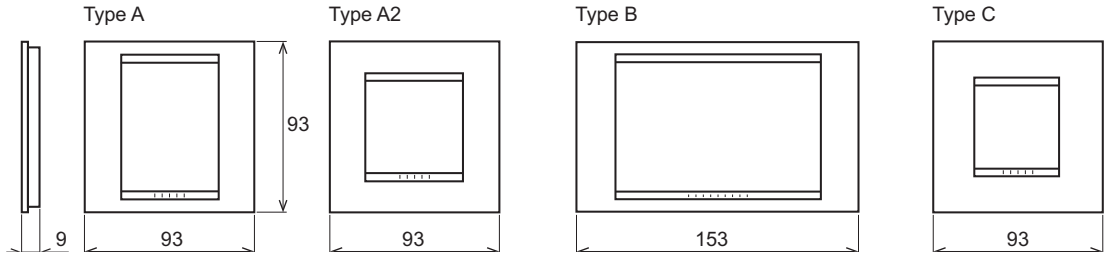
Ⓑ Bus connection
Ⓒ Programming LED
Ⓓ Programming button

Outer plates
Dimensions

Unica Plus, Unica Top



Unica Class



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Schneider Electric Industries SAS

35, rue Joseph Monier
CS 30323
92506 Rueil Malmaison Cedex
France

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