ELKO ep

LOGUS90

SWITCHES AND SOCKETS

TECHNICAL CATALOGUE

LOGUS90

www.elkoep.com

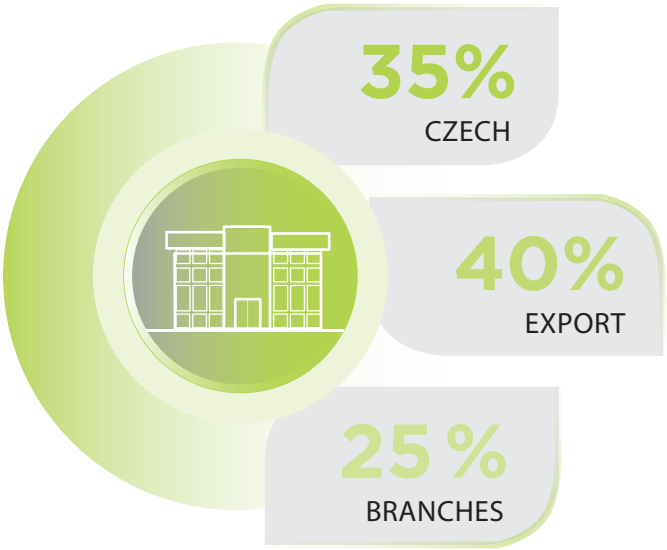
ELKO EP

We are traditional, innovative and purely Czech development manufacturer of electronic devices and we have been your partner in the field of electroinstallations for 27 years.

ELKO EP employs about 330 people, exports its products to more than seventy countries, and has representatives in fifteen foreign branches. Company of the Year of the Zlín Region, Visionary of the Year, Global Exporter of the Year, Participation in the Czech TOP 100, these are just some of the awards received. Still, we are not finnished. We are constantly striving to move forward in the field of innovation and development. That's our primary concern.

Millions of relays, thousands of satisfied customers, hundreds of our own employees, twenty seven years of research, development and production, fifteen foreign branches, one company. ELKO EP, innovative- a purely Czech company based in Holešov, where development, production, logistics, service and support go hand in hand. We primarily focus on developing and manufacturing systems for building automation in the residential, commercial and industrial sector, a wide range of Smart city facilities and the so-called Internet of Things (IoT).

Facts and stats



35%
CZECH

40%
EXPORT

25 %
BRANCHES

330
EMPLOYEES

15 000
iNELS INSTALLATION

12 000 000
MANUFACTURED PRODUCTS

5
FRANCHISES OVER THE WORLD

10
BRANCHES OVER THE WORLD

70
EXPORTING COUNTRIES

2nd position
in Europe
with timers/time relays

WE ARE

DEVELOPERS
In the new R&D center, more than 30 engineers develop new products and extend the functionality of existing products.

PRODUCERS
Modern antistatic spaces, 2x fully automated SMD production lines, 2 shift operations.

SUPPORT
24 hours / 7 days / 360 days we not only provide technical support but also logistics.

SELLERS
Personal access to more than 70 sales representatives in ELKO EP Holding provides impeccable services and superior products at an affordable price.

Product Lines ELKO EP

relay

Timers/Relays
Time relays, auxiliary relays, installation contactors, Bistable relays, stair controllers, timers, dimmers, power supplies, control and signalling devices.

Protection and monitoring relays
Voltage relays 1-phase and 3-phase (under voltage, overvoltage, phase failure, phase asymmetry, phase sequence), current relays, power factor and frequency monitoring, thermostats, level relays.

iNELS RF Control

Wireless electro-installation iNELS RF
Components of smart wireless wiring can be easily and quickly used in existing buildings where it is not desirable to cut holes for cables (e.g. add / change a light switch when changing room layouts). However, it is also possible to assemble a complete system for apartment or house control, intelligent control of heating, blinds or scene settings. When using the eLAN-RF gateway, the entire installation can also be controlled by an application from a mobile phone, tablet or television.

Hotel Wireless Retrofit (HRESK)
Hotel Room Energy Saving Kit - is a complete solution designed primarily for existing hotel rooms and is based on the iNELS RF wireless system. It focuses on the following areas: "Energy savings": switching off all appliances when leaving the room or not overheating / not overcooling, "Comfort" - all out of bed and "Safety": bell, guest in the room, maid, visitor.

iNELS BUS System

Wired electro-installation iNELS BUS
The sensors and actuators, together with the central unit, which is the heart of the system, communicate via a 2-wire bus and enable the construction of a larger installation for family houses, villas, hotels and buildings. Individual functions of elements are parameterized in SW iDM, so simple and more complex actions can be set.

Hospitality Hotel (GRMS)
Guest Room Management System – is a comprehensive solution designed primarily for new hotels, guesthouses or wellness and is based on the iNELS BUS system. In the room, it resolves the control of lighting, access, temperature control and audio / video distribution. It features glass panels with touch buttons that can be combined in various ways (numbers, shape, and colours) and customized (description, logo).

Building management system
Building Management System is the superstructure above the iNELS BUS, resp. wireless system iNELS RF. It enables not only the control of several central units (CU) or gateway (eLAN), but also the connection to other protocols that the technology brings in the building (Modbus, Bacnet, KNX, etc.).

Lighting control
ELKO EP products offer a variety of lighting control solutions for all types of light sources: from simple (dimmers from the RELAY section), through wireless (iNELS RF) to sophisticated control within the iNELS BUS installation, which (except conventional RLC-LED dimmers) also includes units for light control via DALI and DMX bus.

LOGUS90

Switches and sockets
Switches, sockets and a complete range of devices and accessories - this is the Logus90 series from the Portuguese manufacturer Efapel. This range is complemented by both standard plastic frames and luxury frames made of purely natural materials: real wood, metal, granite or tempered glass. Be exceptional!

As when we painted our future housing on paper with crayons when we were young, the LARA configurator allows us to indulge in this hobby to this day. Do you like timeless design of frames made of natural materials? Would you like glass switches and controls? Do not you know if they'll be in tune with the colour of your walls? Will they fit comfortably into a given area?

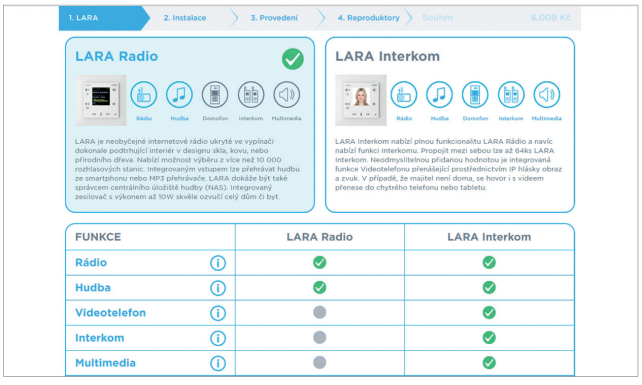
lara.inels.com

Try the LARA configurator online. You can choose from one single frame to five frames. Combine the features that will keep you entertained!

Just 4 steps in the configurator:

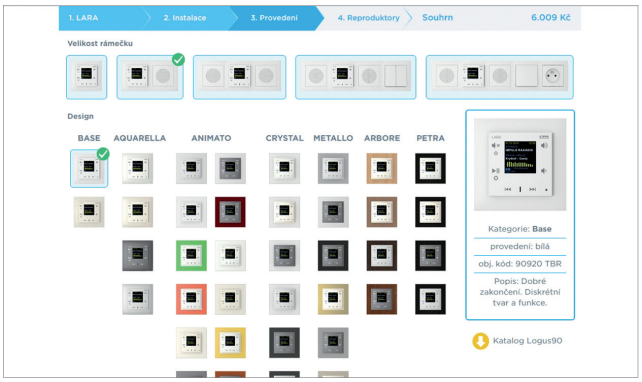
At each step of the configurator, you choose, for example, the installation method, the size or design of the frame (e.g. glass, wood, metal), the wall colour/type and the type of speakers (wall, ceiling, ...). The result delivers an overview and estimated total cost. You can place the order here directly or send it by email.

1. LARA device type

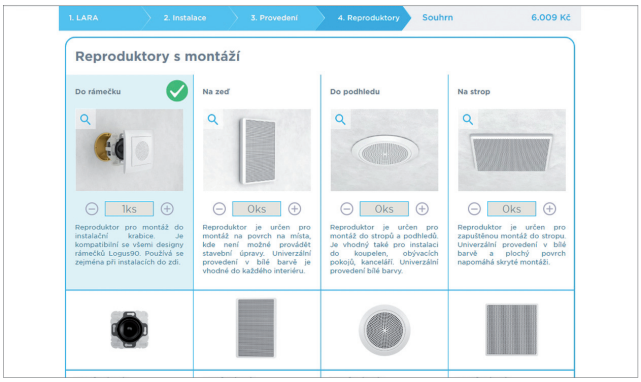


2. Installation type

3. Design selection



4. Select speakers



Catalogue content

Basic information 8
- Design lines LOGUS^{90}
- Benefits of the MEC 21 Series Mechanisms
- Ordering example

Control devices and Rockers / Cover plates 12
- Switch
- Pull-cord Push-button
- Key Lock Push-button
- Rocker Push-button
- Rotary Switch
- Push-button
- Button
- Blind push-button switch
- Circuits Digital Time Switch
- Motion Detector
- Temperature Control
- Dimmers

Sockets and Cover plates 18
- Energy sockets
- Schuko, EURO - USA
- Data sockets
- Multimedia socket, USB
- Telephone socket
- Radio, television and satellite sockets
- RJ45 connectors

Accessories 24
- Accessories
- Accessory for controlling blinds

Other 25
- Loudspeakers
- Accessories
- Complete devices (mechanism + cover plate + frame)

Frames, Back plate covers with Frame 28
- BASE
- AQUARELLA
- ANIMATO
- CRYSTAL
- METALLO
- ARBORE
- PETRA
- Frames - Dimensions

Technical data 34
- Wiring Diagram
- Technical Data

Waterproof 48 series 45
- Switches and sockets with IP65 protection

LARA 49
- LARA Radio, LARA Intercom
- Intercom & Videophone
- Installation
- Accessories

RFWB-20/G, RFWB-40/G 54
RFTC-50/G 55

LOGUS90

BASE

Smart finish. Discrete shape of function.

Dimensions: 85.6 x 85.6 mm

BR - White

MF - Ivory

AQUARELLA

Distinct colors. Shades that characterize the space.

Dimensions: 85.6 x 85.6 mm

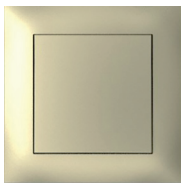
GE - Ice

PE - Pearl

AL - Aluminium

IS - Gray

PM - Black



DU - Gold

ANIMATO

Large selection of colors, modern design and pleasant price.

Dimensions: 94 x 94 mm

BB - White/White

MM - Ivory/
Ivory

EE - Ice/Ice

PP - Pearl/Pearl

RG - Yellow/Ice

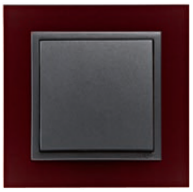
DG - Green/Ice

ZG - Blue/Ice

JG - Orange/Ice

VG - Red/Ice

TS - Brick/Gray



BS - Wine/Gray

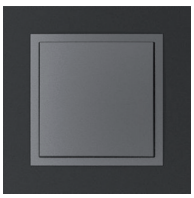
AA - Aluminium/
Aluminium

AS - Aluminium/Gray

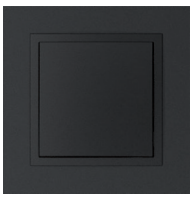
SS - Gray/Gray

PG - Black/Ice

PA - Black/Aluminium



PS - Black/Gray



RR - Black/Black

UG - Gold/Ice

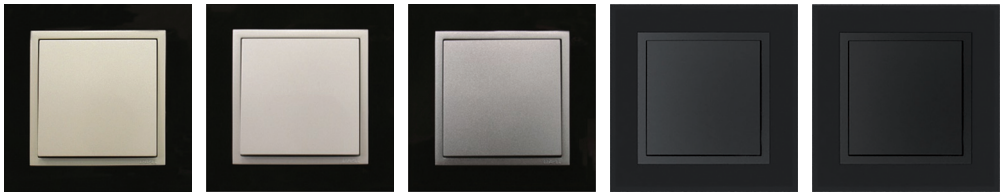
UU - Gold/Gold

CRYSTAL

Brightness and clarity. Shades that bring the shine of crystals into a honed experience.

Dimensions: 94 x 94 mm

CG - Cristal/Ice | CP - Cristal/Pearl | CA - Cristal/Aluminium | CS - Cristal/Gray



EC - Glass - black/Pearl | EG - Glass - black/Ice | EA - Glass - black/ Aluminium | ES - Glass - black/Gray | EP - Glass - black/Black

METALLO

Distinct and modern feel. The refinement and brightness of metal enhance the value of the surroundings, and lend inspiration to great moments.

Dimensions: 94 x 94 mm

TP - Titanium/Pearl | IA - Inox/Aluminium | OP - Gold/Pearl | QS - Nickel/Gray | US - Aluminium/Gray | RS - Chrome/Gray | OU - Gold/Gold

ARBORE

Selection of natural materials. Warm shades of wood with their varying structures create a room full of happiness and sincere comfort.

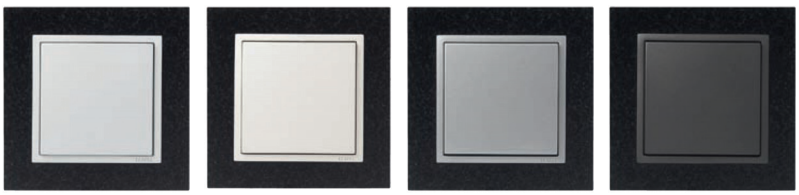
Dimensions: 94 x 94 mm

FP - Beech Wood/Pearl | JP - Cherry Tree /Pearl | MS - Mahogany/Gray | NA - Walnut Tree/ Aluminium

PETRA

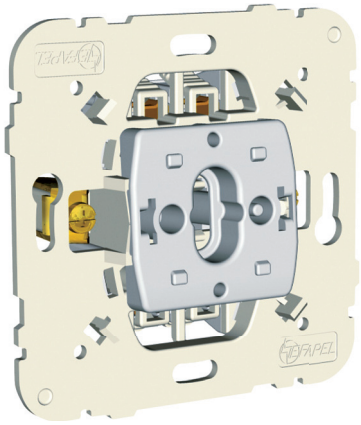
Selection of natural materials. Warm shades of wood with their varying structures create a room full of happiness and sincere comfort.

Dimensions: 94 x 94 mm



GG - Granite/Ice | GP - Granite/Pearl | GA - Granite/Aluminium | GS - Granite/Gray

Benefits of the MEC21 Series Mechanisms

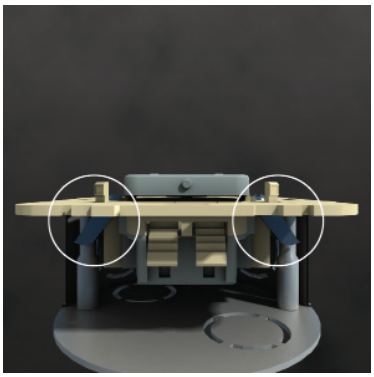


The MEC21 Series Mechanisms for the LOGUS^{90} Design Series are made of a special alloy of non-combustible plastics that, due to their strength and elasticity, prevent destruction or damage to the body. The plastic design of the mechanism also ensures secure isolation from the conductive parts of the installation.

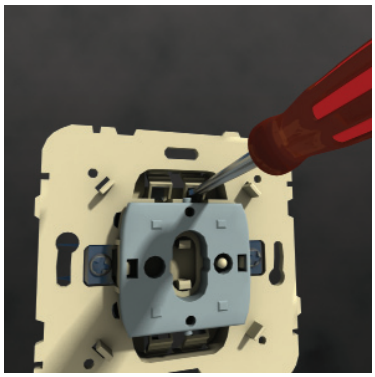
The mounting frame is an integral part of the device. The whole device is compact, lightweight and allows for easy and quick assembly without the use of tools.

With the "smart clips" on the front of the device, the frame and cover can be easily snapped on and off. It can be easily and quickly changed and adapted to the current colours of the walls of your interior.

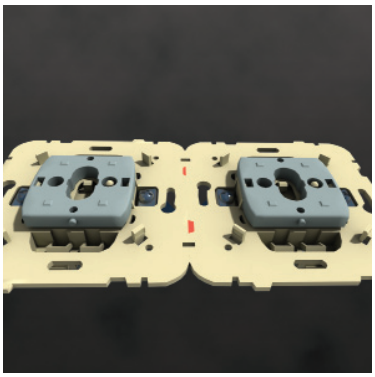
10A - 250V~ - Screwless connection
16A / 20A - 250V~ - Connection with screw terminals



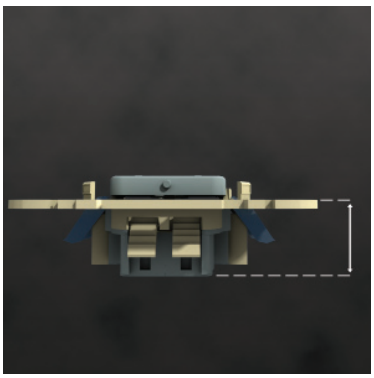
Quick Clips allow installation to adjust the frame on an uneven wall (two positions for the "snap" frame). Inequality walls will allow the deal and Floating Fingerboard.



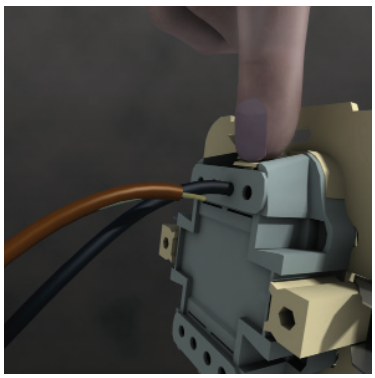
Ability to test electrical functionality of your device without disassembly.



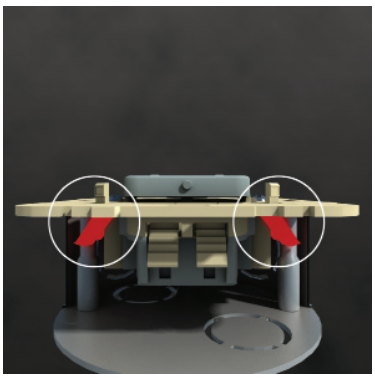
Shaped edge of the body mechanism to align the mounting multiple devices.



Depth 20 mm only alows mounting to instrumentation device / box.

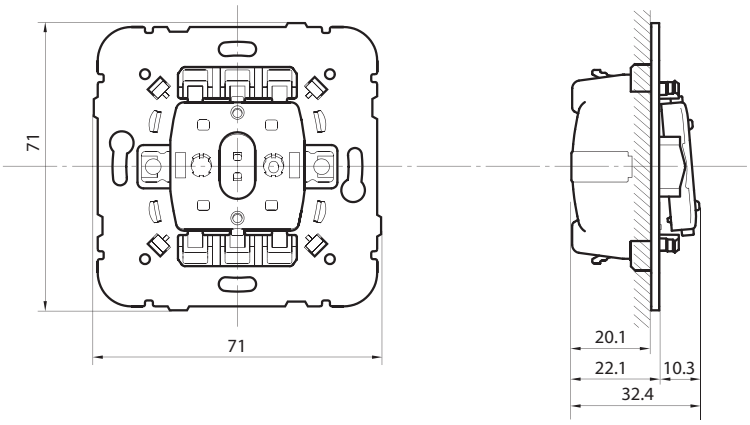


Screwless terminals provide fast and quality connection without need of instrument usage. Double terminals on every pole provide multiple connection withoutneed of extra terminals usage.

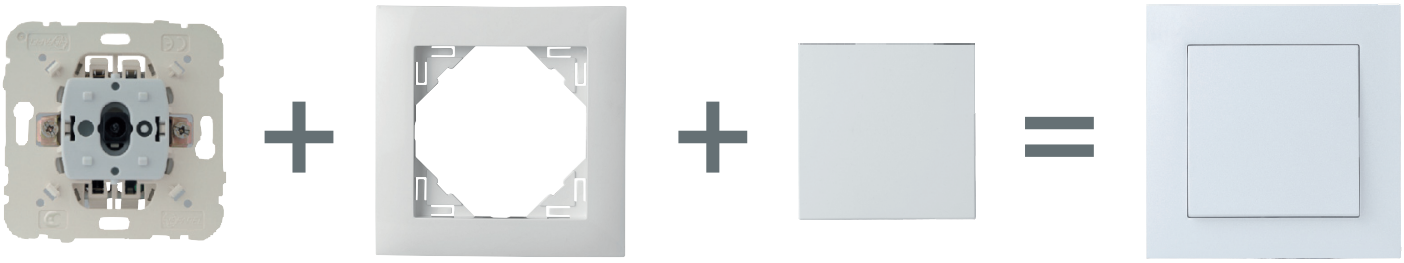


Ability to test electrical functionality of your device without disassembly.

Dimensions of the MEC21 Series (mm)



Order example



MECHANISM MEC21

oder code: 21 . . .
e.g.:
21011 = Single Pole Switch
21111 = Earth Socket

FRAME

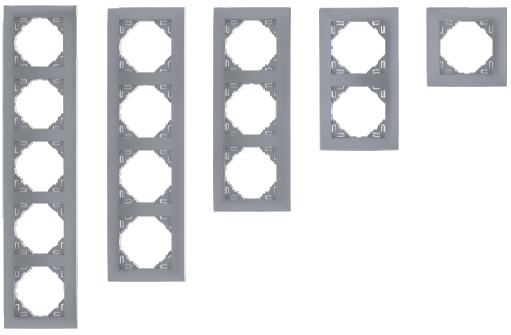
oder code: 909 . . T x x
e.g.:
90910 TBR = Single Frame, plastic/white
90930 TCS = Triple Frame, cristal/gray

ROCKER / COVER PLATE

oder code: 90 . . . T x x
e.g.:
90601 TBR = kRocker for Switches, white
90652 TAL = Safety Cover Plate for Earth Socke, aluminium

COMPLETE PRODUCT

oder code: . . .
e.g.:
21011, 90910 TBR, 90601 TBR
Mechanism, Frame, Rocker / Cover Plate



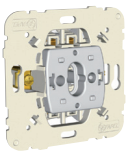
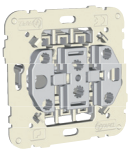
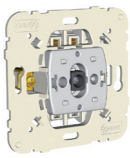
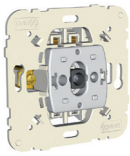
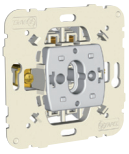
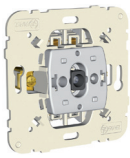
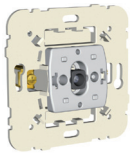
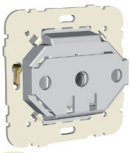
The entire design series are available from 1 frame up to 4 frames.

The BASE and AQUARELLA series are available from 1 frame up to 5 frames.

Horizontal or vertical position of the frame is possible thanks to their symmetrical shape.

Device covers in red, orange, green for hospital environments.

Control devices

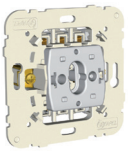
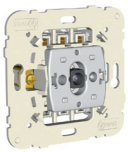
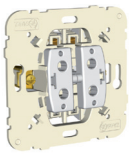
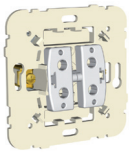
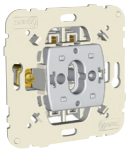
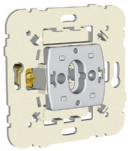
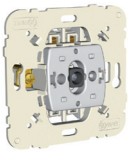
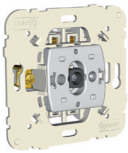
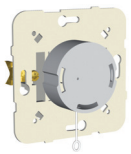
	Order code	Box (Un)
 Single Pole Switch 10 AX - 250 V~	21011	10
 Three Circuits Switch 16 AX - 250 V~	21088	10
 Single Pole Switch with Orienting Light 10 AX - 250 V~	21012	10
 Single Pole Switch with Pilot Lamp 10 AX - 250 V~	21013	10
 Two-pole Switch 10 AX - 250 V~	21021	10
 Two-pole Switch with Pilot Lamp 10 AX - 250 V~	21023	10
 Two-pole Switch with Pilot Lamp - 20A 20 A - 250 V~	21024	10
 Card-system Switch 10 AX - 250 V~ - For ATM card type (Ref. 21999).	21031	10
NEW Card-System Timer Switch 16 A - 100-240 V~	21033	1

Rockers / Cover plates

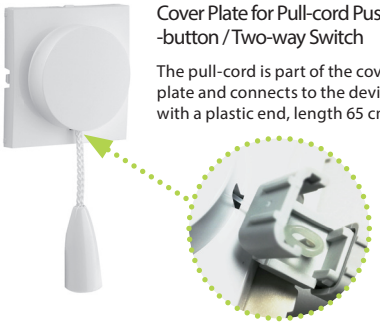
	Order code	Color	Box (Un)
Rocker for Switches	90601 T	BR MF GE PE AL IS PM DU	20 2
Triple Rockers	90661 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Lighted Switches	90602 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Lighted Switches / Push-button with Lamp Symbol	90797 T	BR MF GE PE AL IS PM DU	20
Rocker for Switches	90601 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Two-pole Switch	90608 T	BR MF GE PE AL IS PM DU	2
Rocker for Lighted Switches	90602 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Lighted Switches / Push-button with Lamp Symbol	90797 T	BR MF GE PE AL IS PM DU	20 2
Cover Plate for Card-system Switch	90731 T	BR MF GE PE AL IS PM DU	2
Cover Plate for Card-System Timer Switch	90733 T	BR MF GE PE AL IS PM DU	1

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on 32 to 43.

Control devices

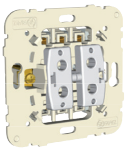
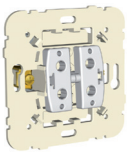
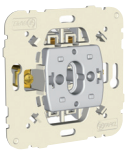
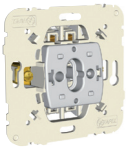
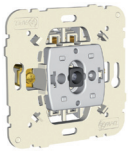
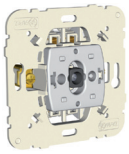
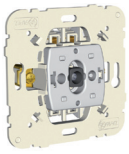
	Order code	Box (Un)
Electronic Very Low Tension 4-Gang Push-button 12 V - 50 mA / 32 V - 18 mA	21164	10
 Intermediate Switch 10 AX - 250 V~	21051	10
 Intermediate Switch with Orienting Light 10 AX - 250 V~	21052	10
 Two Circuits Switch 10 AX - 250 V~	21061	10
 Two circuit switch 5 20 A - 250 V	21065	10
 Two-way Switch 10 AX - 250 V~	21071	10
 Two-way Switch - 20A 20 A - 250 V~	21075	10
 Two-way Switch with Orienting Light 10 AX - 250 V~	21072	10
 Two-way Switch with Pilot Lamp 10 AX - 250 V~	21073	10
 Pull-cord Push-button 10 A - 250 V~	21091	10
Pull-cord Two-way Switch 10 AX - 250 V~	21092	10

Rockers / Cover plates

	Order code	Color	Box (Un)
Quadruple Rocker	90600 T	BR MF GE PE AL IS PM DU	2
Rocker for Switches	90601 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Lighted Switches	90602 T	BR MF GE PE AL IS PM DU	20 2
Double Rockers	90611 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Switches	90601 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Switches	90601 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Lighted Switches	90602 T	BR MF GE PE AL IS PM DU	20 2
 Cover Plate for Pull-cord Push--button / Two-way Switch The pull-cord is part of the cover plate and connects to the device with a plastic end, length 65 cm.	90741 T	BR MF GE PE AL IS PM DU	2

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on pages 32 to 43.

Control devices

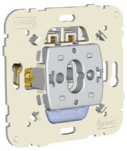
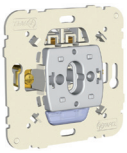
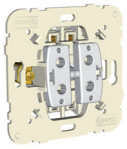
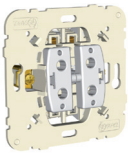
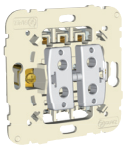
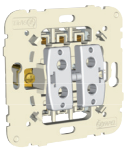
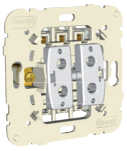
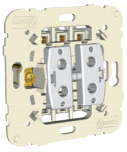
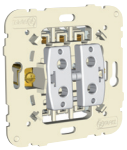
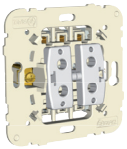
	Order code	Box (Un)
 Double Two-way Switch 10 AX - 250 V~	21101	10
 Double Two-way Switch - 20 A 20 A - 250 V~	21103	10
 Rocker Push-button (NO+NC) 10 A - 250 V~	21150	10
 Rocker Push-button 10 A - 250 V~	21151	10
 Rocker Push-button with Orienting Light - 250 V~ 10 A - 250 V~	21152	10
 Rocker Push-button with Independent Pilot Lamp 10 A - 250 V~	21153	10
 Rocker Push-button with Orienting Light - 12 V 6 A - 12 V	21162	10

Rockers / Cover plates

	Order code	Color	Box (Un)
Double Rockers	90611 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Switches	90601 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Switches with Lock Symbol	90604 T	BR MF GE PE AL IS PM DU	2
Rocker for Switches with Bell Symbol	90605 T	BR MF GE PE AL IS PM DU	2
Rocker for Switches with Maid Symbol	90606 T	BR MF GE PE AL IS PM DU	2
Rocker for Switches with Lamp Symbol	90607 T	BR MF GE PE AL IS PM DU	2
Rocker for Lighted Switches	90602 T	BR MF GE PE AL IS PM DU	20 2
Rocker for Lighted Switches / Push-button with Lock Symbol	90794 T	BR MF GE PE AL IS PM DU	2
Rocker for Lighted Switches / Push-button with Bell Symbol	90795 T	BR MF GE PE AL IS PM DU	2
Rocker for Lighted Switches / Push-button with Maid Symbol	90796 T	BR MF GE PE AL IS PM DU	2
Rocker for Lighted Switches / Push-button with Lamp Symbol	90797 T	BR MF GE PE AL IS PM DU	2

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on pages 32 to 43.

Control devices

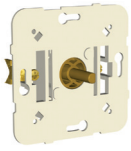
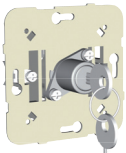
		Order code	Box (Un)
	Rocker Push-button with Identification - 250 V~ 10 A - 250 V~	21155	10
	Rocker Push-button with Identification - 12 V 6 A - 12 V	21165	10
	Double Push-button (2NO+2NC) 10 A - 250 V~	21154	10
	Double Push-button 10 A - 250 V~	21156	10
	Rocker Push-button / Two-way Switch 10 A - 250 V~	21159	10
	Venetian Double Push-button 10 A - 250 V~	21281	10
	Blind push-button switch, turned contacts 10 A - 250 V	21282	10
	Venetian Double Push-button for multiple points Blinds Control 10 A - 250 V~	21283	10
	Venetian Switch 10 A - 250 V~	21290	10
	Venetian Switch with Mechanical Blockage 10 A - 250 V~	21291	10

Rockers / Cover plates

		Order code	Color	Box (Un)
	Rocker for Switches with Identification Card	90603 T	BR MF GE PE AL IS PM DU	2
	Rocker for Switches with Identification Card	90603 T	BR MF GE PE AL IS PM DU	2
	Double Rockers	90611 T	BR MF GE PE AL IS PM DU	20 2
	Rockers for Venetian Push-buttons	90612 T	BR MF GE PE AL IS PM DU	20 2
	Rockers for Venetian Switch	90613 T	BR MF GE PE AL IS PM DU	20 2

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on 32 to 43.

Control devices

	Order code	Box (Un)
Rotary Two-way Switch - 16 A 16 AX - 250 V~ - ON - OFF - ON.	21301	10
Rotary Switch - 16 A 16 AX - 250 V~	21302	10
 Rotary Push-button - 16 A 16 A - 250 V~ - ON - OFF - ON.	21303	10
 Key Lock Push-button 10 A - 250 V~ - ON - OFF - ON. - It allows to remove the key in OFF position.	21351	10
Key Lock Two-way Switch 10 AX - 250 V~ - ON - OFF - ON. - It allows to remove the key in 3 positions.	21352	10
NEW Timer Switch 16 A - 100-240 V~	21040	1
Buzzer 230 V~ - 50 Hz - D type. - 5/15 sec.	21990	10

Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Plate for Rotary Push-button / Two-way Switch	90761 T	BR MF GE PE AL IS PM DU	2
Cover Plate for Rotary Switch (ON/OFF)	90762 T	BR MF GE PE AL IS PM DU	2
Cover Plate for Rotary Push-button / Two-way Switch	90761 T	BR MF GE PE AL IS PM DU	2
Cover Plate for Key Lock Push-button / Two-way Switch	90351 T	BR MF GE PE AL IS PM DU	1
Rocker for Timer Switch	90745 T	BR MF GE PE AL IS PM DU	1
Cover Plate for Loud-speaker of 2" - 32 Ohm / Buzzer	90710 T	BR MF GE PE AL IS PM DU	2

Motion Detector

	Order code	Box (Un)
Motion Detector - 1000 W - Rated voltage: 100-240 V~ - 50/60 Hz - Sensibility regulation. - Range of detection: 8 meters. - Detection angle: 160º. - Inverter contact (NO+NC), voltage free.	21401	10
Motion Detector - 400 W - Rated voltage: 100-240 V~ - 50/60 Hz - Sensibility regulation. - Range of detection: 8 meters. - Detection angle: 160º. - Inverter contact (NO+NC), voltage free.	21402	10

Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Plate for Motion Detectors	90401 T	BR MF GE PE AL IS PM DU	1

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.

Wiring diagrams can be found on pages 32 to 43.

Motion Detector

Rockers / Cover plates

	Order code	Box (Un)
NEW Motion Detector - Wall Installation 1000 W - Power: 100-240 V~ - 50/60 Hz; - Compatible with any kind of load - Possibility of two external inputs: ON/AUTO and Timed.	21403	10
NEW Motion Detector - Wall Installation 400 W - Power: 100-240 V~ - 50/60 Hz; - Compatible with any kind of load - Possibility of two external inputs: ON/AUTO and Timed.	21404	10

	Order code	Color	Box (Un)
Cover Plate for Motion Detector - Wall Installation	90403 T	BR MF GE PE AL IS PM DU	1

Temperature Control

Rockers / Cover plates

	Order code	Box (Un)
NEW Rotary Thermostat - Power: 100-240 V~ - 50/60 Hz; - Maximum load: 16 A (3680W, cosφ =1); - Compatible with any kind of load - Systems Control: Heating and/or Cooling; - Temperature settings: 5˚C to 30˚C; - Possibility of connecting theTC-03	21234	1
Programmable Chronothermostat - Rated voltage: 230 V~ - 50 Hz. - Breaking capacity: 16 A. - Inverter contact (NO+NC), voltage free. - Range of temperature readings: -9ºC to 35ºC. - Optimized for electric or heating. - Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self detection. Replace for 21230	21235	1
Thermostat with Infrared Remote Control - Rated voltage: 230 V~ - 50 Hz. - Breaking capacity: 16 A. - Inverter contact (NO+NC), voltage free. - Range of temperature readings: -9ºC to 35ºC. - Optimized for electric oor heating. Replace for 21231	21236	1
Thermo sensor TC-3 for a simple programmable thermostat with infrared control - Length: 3 m - Range: 0 to 70 ° C - IP67	TC-3	1

	Order code	Color	Box (Un)
Cover Plate for Rotary Thermostat	90746 T	BR MF GE PE AL IS PM DU	1
Cover Plate for Programmable Chronothermostat	90748 T	BR MF GE PE AL IS PM DU	1
Cover Plate for Thermostat with Infrared Remote Control	90749 T	BR MF GE PE AL IS PM DU	1

Speed Controller

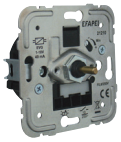
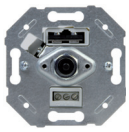
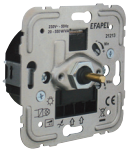
Rockers / Cover plates

	Order code	Box (Un)
Speed Controller for Induction Motors - 600 VA - 25 - 600 VA.	21219	1

	Order code	Color	Box (Un)
Cover Plate for Dimmer/ Two-way Switch	90721 T	BR MF GE PE AL IS PM DU	1

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice, PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on pages 32 to 43.

Dimmers

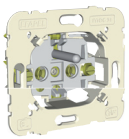
	Order code	Box (Un)
NEW RLC Dimmer Press Switch 100-240 V~	21218	1
 Dimmer for Fluorescent Lamps with Electronic Ballast EVG 1-10 V - IMax - 40 mA. - Silent.	21210	1
Ferromagnetic Dimmer/ Two-way Switch - 500 VA R, L - 20 - 500 W/VA.	21211	1
 Electronic Dimmer/Two-way Switch - 320 W R, C - 5 - 320 W. - Silent.	21212	1
 Electronic Dimmer/Two-way Switch - 550 W R, C - 20 - 550 W/VA. - Silent.	21213	1
Dimmer/Two-way Switch for Energy Saving Lamps - 110 VA R, L - 7 - 110 W/VA. - 3 - 35 W LED's.	21214	1
Electronic Dimmer/Two-way Switch for Low Power Lamps - 150 W R, C - 15 - 150 W/VA. - 3 - 50 W LED's. - Silent.	21215	1

Rockers / Cover plates

	Order code	Color	Box (Un)
Rocker for RLC Dimmer Press Switch	90747 T	BR MF GE PE AL IS PM DU	1
Cover Plate for Dimmer / Two-way Switchdimmer	90721 T	BR MF GE PE AL IS PM DU	1

See page 42 for the maximum load on dimmers.

Energy sockets

	Order code	Box (Un)
Earth Socket (French Type) with Screwless Terminals 16 A - 250 V~	21110	10
 Earth Socket (French Type) 16 A - 250 V~	21111	10
2P Socket 16 A - 250 V~	21121	10

Rockers / Cover plates (In the LOGUS[90] Medical Design - LR VD VM)

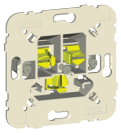
	Order code	Color	Box (Un)
Safety Cover Plate for Earth Socket (French Type)	90652 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
IP44 Cover Plate for French Socket with Safety and Hinged Lid	90654 T	BR MF GE PE AL IS PM DU	20 2
Cover Plate for 2P Socket	90621 T	BR MF GE PE AL IS PM DU	20 2
Safety Cover Plate for 2P Socket	90622T	BR MF GE PE AL IS PM DU	20 2

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice, PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold, LR - Orange, VD - Green VM - Red

Wiring diagrams can be found on pages 32 to 43.

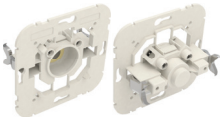
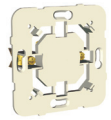
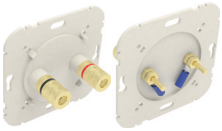
Energy sockets

Rockers / Cover plates (In the LOGUS90 Medical Design - LR VD VM)

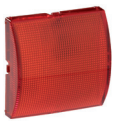
		Order code	Box (Un)			Order code	Color	Box (Un)
	Earth Socket (Schuko Type) with Screwless Terminals 16 A - 250 V~	21130	10		Cover Plate for Earth Socket (Schuko Type)	90631 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
					Safety Cover Plate for Earth Socket (Schuko Type)	90632 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
					IP44 Cover Plate for Schuko Socket with Safety and Hinged Lid	90634 T	BR MF GE PE AL IS PM DU	20 2
	Double Earth Socket (French Type) 16 A - 250 V~	21470	10		Safety Cover Plate for Double Earth Socket (French)	90656 T	BR MF LR VD VM GE PE AL IS	2
	Earth Socket (Schuko Type) 16 A - 250 V~	21131	10		Cover Plate for Earth Socket (Schuko Type)	90631 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
					Safety Cover Plate for Earth Socket (Schuko Type)	90632 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
					IP44 Cover Plate for Schuko Socket with Safety and Hinged Lid	90634T	BR MF GE PE AL IS PM DU	20 2
	Earth Socket (Euro-USA Type) 15 A - 127 V~ / 16 A - 250 V~	21140	10		Cover Plate for Earth Socket (Euro-USA Type)	90841 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
					Safety Cover Plate for Earth Socket (Euro-USA Type)	90842 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2
	Earth Socket (USA NEMA Type) 15 A - 127 V~	21143	10		Safety Cover Plate for Earth Socket (USA NEMA Type)	90843 T	BR MF **LR VD VM** GE PE AL IS PM DU	20 2

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold, LR - Orange, VD - Green VM - Red

Other Mechanisms

	Order code	Box (Un)
Cable Outlet - Three Terminals - 3x2,5 mm² - 250 V~.	21173	10
Cable Outlet - Four Terminals - 4x2,5 mm² - 250 V~.	21174	10
 Pilot Light - Max. 5 W (E14) 250 V~. - To be used with Lamp (Ref.81012)	21360	10
NEW White Orientation Light - Two lighting levels: L1 - 0,2 W; L2 - 0,4 W - 230 V ~ - 50/60 Hz	21388	10
NEW White Orientation Light with battery - Two operating functions - Two lighting levels: L1 - 0,2 W; L2 - 0,4 W - 230 V ~ - 50/60 Hz	21389	10
 Support for Blind Cover Plate	21222	10
 Screw Terminal Loudspeaker Socket See page 41 for wire connection	21220	4
PODA-275 Module of overvoltage protection SPD type 3	6058	1

Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Plate for Cable Outlets	90671 T	BR MF GE PE AL IS PM DU	20 2
Cover for Pilot Light  Small E14 - 5W Lamp Order code 81012	90781 T	IC LR VD VM	2
Cover Plate for Orientation Light	90782 T	BR MF GE PE AL IS PM DU	20 2
Blind cover plate	90677 T	BR MF GE PE AL IS PM DU	10 2
Cover Plate for Screw Terminal Loudspeaker Socket	90713 T	BR MF GE PE AL IS PM DU	4 2

USB sockets

Rockers / Cover plates

	Order code	Box (Un)
NEW Double USB Charger Type A with Output at 20º - Voltage: 100-240 V~. - Frequency: 50-60 Hz. - Output voltage: 5 V. - Output current: 2.4 A. - Two USB type A outlets.	21384	1

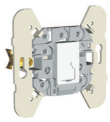
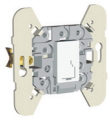
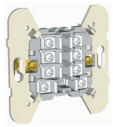
		Color	
Cover Plate for Double USB Charger Type A with outlets at 20º	90673 T	BR MF GE PE AL IS DU PM	1

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
IC - illuminated, transparent; LR - illuminated, orange; VD - illuminated, green; VM - illuminated, red

Wiring diagrams can be found on pages 32 to 43. Rear view: www.elkoep.com/sockets.

Telephone socket

50V⎓70V~

	Order code	Color	Box (Un)
 Telephone Socket (4 conductors) 50V / 70V ~	21252 S*	BR MF CZ AT	10
 Telephone socket 6 contacts	21253 S*	BR MF CZ AT	10
 T8 French Telephone Socket 8 contacts	21411	-	10

Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Plate for Telephone Socketcover	90712 T	BR MF GE PE AL IS PM DU	20 2
Cover Plate for T8 French Telephone Socket	90718 T	BR MF GE PE AL IS PM DU	20 2

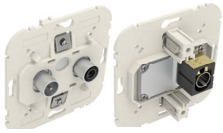
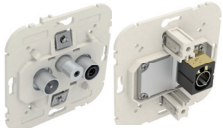
Radio, television and satellite sockets

Rockers / Cover plates

Series connection

			Order code	Color	Box (Un)
	R - TV - SAT Socket (Terminal Type) - series connection - 4 - 2400 MHz: < 5dB. - Current flow - 500mA (DC).	21555	10	Cover Plate for R - TV - SAT Sockets	90775 T	BR MF GE PE AL IS PM DU	10 5
	R - TV - SAT Socket (Crossover Type) - 4 - 2400 MHz: < 9dB. - Current flow - 500mA (DC). - Insertion losses: 2dB.	21565	10				
	R - TV Socket (Terminal Type) - 4 - 82 MHz: < 5dB. - 84 - 108 MHz: < 6dB. - 112 - 1000 MHz: < 5dB.	21554	10	Cover Plate for R - TV Sockets	90776 T	BR MF GE PE AL IS PM DU	10 5
	R - TV Socket (Crossover Type) - 4 - 1000 MHz: < 9dB. - Insertion losses: 2dB.	21564	10				

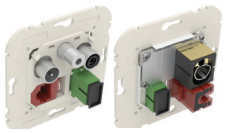
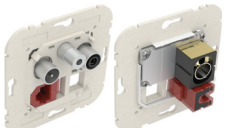
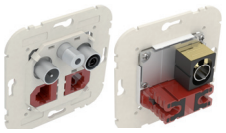
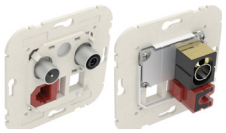
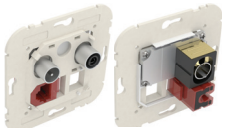
Star connection

			Order code	Color	Box (Un)
	R - TV Socket Star Connection - star connection - 4 - 82 MHz: < 1dB. - 84 - 108 MHz: < 2dB. - 112 - 1000 MHz: < 1dB.	21533 Replace for 21530	10	Cover Plate for R - TV Sockets	90776 T	BR MF GE PE AL IS PM DU	10 5
	R - TV - SAT Socket Star Connection - 4 - 862 MHz: < 1dB. - 950 - 2400 MHz: < 3dB. - Current ow - 500mA (DC).	21543	10	Cover Plate for R - TV - SAT Sockets	90775 T	BR MF GE PE AL IS PM DU	10 5

Legend: T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on pages 32 to 43. Rear view: www.elkoep.com/sockets.

Multimedia socket

Star connection

	Order code	Box (Un)
 R - TV - SAT - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection - 4 - 862 MHz: < 2dB. - 950 - 2400 MHz: < 3dB. - Current flow - 500mA (DC).	21545	10
 R - TV - SAT - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection - To be used with a SC APC Simplex or LC Duplex Fibre Optic Connector - 4 - 862 MHz: < 2dB. - 950 - 2400 MHz: < 3dB. - Current flow - 500mA (DC).	21544	10
 R - TV - SAT - 2xRJ45 Cat. 6 UTP Multimedia Socket for Star Connection - 4 - 862 MHz: < 2dB. - 950 - 2400 MHz: < 3dB. - Current flow - 500mA (DC).	21546	10
 R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection - 4 - 82 MHz: < 1dB. - 84 - 108 MHz: < 2dB. - 112 - 1000 MHz: < 1dB.	21535	10
 R - TV - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection - 4 - 82 MHz: < 1dB. - 84 - 108 MHz: < 2dB. - 112 - 1000 MHz: < 1dB.	21534	10

Rear view: www.elkoep.com/multimedia

Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Plate for R - TV - SAT - RJ45 / R - TV - SAT - RJ45 - FO Multimedia Sockets	90770 T	BR MF GE PE AL IS PM DU	10 5
Cover Plate for R - TV - SAT - 2xRJ45 Multimedia Socket	90773 T	BR MF GE PE AL IS PM DU	10 5
Cover Plate for R - TV - RJ45 / R - TV - RJ45 - FO Multimedia Sockets	90774 T	BR MF GE PE AL IS PM DU	10 5

Couplers for fibre optic connectors

Rockers / Cover plates

Coupler for SC APC Duplex Fibre Optic Connector	82211	10	Cover Plate for Coupler for SC APC Duplex Fibre Optic Connector	90448 S	BR MF GE PE AL IS PM DU	10
Coupler for SC APC Simplex Fibre Optic Connector	82210	10	Cover Plate for Coupler for SC APC Simplex / LC Duplex Fibre Optic Connector	90449 S	BR MF GE PE AL IS PM DU	10
Coupler for LC Duplex Fibre Optic Connector	82213	10				

Legend: S - Semi-assembled.; T - Rocker, Cover Plate or Frame. BR - White, MF - Ivory, GE - Ice , PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.
Wiring diagrams can be found on pages 32 to 43.

Data sockets

	Order code	Box (Un)
RJ45 Cat. 5e UTP Socket (Supplied with connector)	21453	10
RJ45 Cat. 6 UTP Socket (Supplied with connector)	21455	10
RJ45 Cat. 5e STP Socket (Supplied with connector)	21443	10
RJ45 Cat. 6 STP Socket (Supplied with connector)	21445	10

Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Plate for Single RJ45 Computer Sockets	90751 T	BR MF GE PE AL IS PM DU	20 2

RJ45 connectors

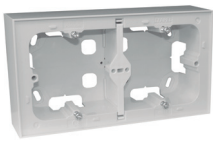
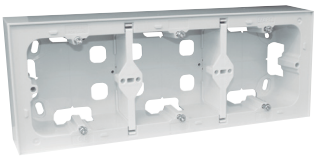
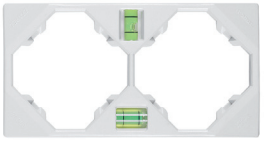
	Order code	Box (Un)
RJ45 Cat. 5e UTP Connector (100 MHz)	21975	5
RJ45 Cat. 6 UTP Connector (250 MHz)	21978	5
RJ45 Cat. 5e STP Connector (100 MHz)	21985	5
RJ45 Cat. 6 STP Connector (250 MHz)	21988	5
Double RJ45 Cat. 5e UTP Connector (1 input / 2 outputs)	21980	5
Telephone Plug - 6 Positions with 4 Contacts (Plug 6x4)	82025	50
Telephone Plug - 6 Positions with 6 Contacts (Plug 6x6)	82026	50

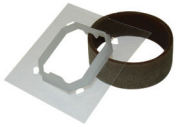
Rockers / Cover plates

	Order code	Color	Box (Un)
Cover Ring with Double Support for RJ45 Connectors	90442 S	BR MF GE PE AL IS PM DU	20 2

Legend: S - Semi-assembled.; A - Accessories. T - Rocker, Cover Plate or Frame;
BR - White, MF - Ivory, GE - Ice, PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.

Accessories

	Order code	Color	Box (Un)
QUADRO 45 Series Surface Mounting Box - To be used only with Single Frames in the QUADRO 45 Series. 85 x 85 x 40 mm	10976 A	BR MF GE PE AL IS DU PM	10
 Double Surface Mounting Box Accessories for mounting flush mounting devices 85 x 160 x 40 mm	10994 A	BR MF GE PE AL IS DU PM	5
 Triple Surface Mounting Box Accessories for mounting flush mounting devices 85 x 230 x 40 mm	10995 A	BR MF GE PE AL IS DU PM	1
Waterproof Frame IP44	90961 T	BR MF GE PE AL IS PM DU	1
 Level and Mounting Accessory for MEC 21 Mechanism 78 x 150 x 15 mm	21989	-	20
21470 Universal Cover Ring / Adapter for 45x45 Modules 72 x 72 x13 mm	90881 T	BR MF VM GE PE AL IS PM DU	2
Card for Card-system Switch 70 x 54 x 1.5 mm	21999	-	5 2

	Order code	Box (Un)
Relay for Blinds Control - Rated voltage: 230V~ – 50Hz. - Breaking capacity: 6A. - Not temporized. - Connect locally to Venetian Double Push-button (Ref. 21283) - For the centralized command of the installation, connect remotely to a Venetian Double Push-button (Ref. 21283) • See Technical Data Sheet - page 40	81511	1
Automatic Relay for Blinds Control - Rated voltage: 230V~ – 50Hz. - Breaking capacity: 6A. - Temporized. - Connect to the Double Push-buttons and to the Venetian Double Push-buttons. • See Technical Data Sheet - page 39	81512	1
Cover for Mechanisms Protection 70 x 73 x 12 mm	21971	40
 IP44 Kit for MEC 21 Mechanisms - Single Rocker	21981	1
IP44 Kit for MEC 21 Mechanisms - Double Rockers	21982	1
Replacement LED for MEC 21 / 48 Series - 12V	81018	10
Replacement LED for MEC 21 / 48 Series - 250V~	81019	10

Legend: T - Rocker, Cover Plate or Frame. Dimensions: H x W x D.
BR – White, MF – Ivory, GE – Ice, PE – Pearl, AL – Aluminium, IS – Gray, VM – Red , PM - Black, DU - Gold.

Flush Mounting Loudspeakers of 2″

	Order code	Box (Un)
Loudspeaker of 2″ - 32 Ohm	21581	1

Cover Plates

	Order code	Color	Box (Un)
Cover Plate for Loudspeaker of 2″ - 32 Ohm	90710 T	BR MF GE PE AL IS	2 1

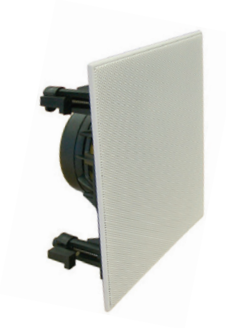
Flush Mounting Loudspeakers of 5″

Loudspeaker of 5″ - 32 Ohm for Ceiling Mounting - Mounting Ø diameter: 145 mm - External dimensions: Ø 180 mm - Maximum power: 30W. - Frequency response: 70 - 15000Hz.	75023 C	BR MF	1
Loudspeaker of 5″ - 16 Ohm for Ceiling Mounting - Mounting Ø diameter: 145 mm - External dimensions: Ø 180 mm - Maximum power: : 30W. - Frequency response: 70 - 15000Hz.	75022 C	BR MF	1
Loudspeaker of 5″ - 8 Ohm for Ceiling Mounting - Mounting Ø diameter: 145 mm - External dimensions: Ø 180 mm - Maximum power: 30W. - Frequency response: 70 - 15000Hz.	75021 C	BR MF	1

Surface Mounting Loudspeakers of 5″

Surface Mounting Flat 2-Way Loudspeaker of 5″ - 32 Ohm - External dimensions (mm): 274 x 185 x 36,5. - Maximum power: 15W. - Frequency response: 80 - 19000Hz.	75106 C	BR	1
Surface Mounting Flat 2-Way Loudspeaker of 5″ - 16 Ohm - External dimensions (mm): 274 x 185 x 36,5. - Maximum power: 15W. - Frequency response: 80 - 19000Hz.	75105 C	BR	1
Surface Mounting Flat 2-Way Loudspeaker of 5″ - 8 Ohm - External dimensions (mm): 274 x 185 x 36,5. - Maximum power: 15W. - Frequency response: 80 - 19000Hz.	75104 C	BR	1

Flush Mounting Loudspeakers of 6,5″



Squared Grid 2-Way Loudspeaker of 6,5" - 32 Ohm - External dimensions (mm): 220 x 220 x 93. - Maximum power: 60W. - Frequency response: 60 - 20000Hz.	75083 C	BR MF	1
Squared Grid 2-Way Loudspeaker of 6,5" - 16 Ohm - External dimensions (mm): 220 x 220 x 93. - Maximum power: 60W. - Frequency response: 60 - 20000Hz.	75082 C	BR MF	1
Squared Grid 2-Way Loudspeaker of 6,5" - 8 Ohm - External dimensions (mm): 220 x 220 x 93. - Maximum power: 60W. - Frequency response: 60 - 20000Hz.	75081 C	BR MF	1

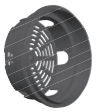
PARAMETER	UNIT	MODEL			
TYPE	Inches	2"	5"	6.5"	5"
INSTALLATION	-	Flush Mounting	Flush Mounting / in ceiling		Surface Mounting
IMPEDANCE	Ohm	32	32 / 16 / 8	32 / 16 / 8	32 / 16 / 8
MAXIMUM POWER	W	10	30	60	15
FREQUENCY RESPONSE	Hz	450 - 5000	70 - 15000	60 - 20000	80 - 19000

Legend: T - Rocker, Cover Plate or Frame. C - Complete devices. Dimensions: H x W x D. BR - White; MF - Ivory; GE - Ice ; PE - Pearl; AL - Aluminium; IS - Gray. Dimensions: H x W x D.

Power supplies

		Order code	Color	Box (Un)
	Power Supply 15V< ___ >30W for DIN Rail Mounting - Input: 110/250V~ - 50/60Hz. - Output: 15V< ___ >30W. - Capacity to supply 10 Stereo Sound Control Units or 20 Mono Sound Control Units. - Size: 4,5 DIN Modules.	75052	-	1
	Power Supply 15V< ___ >12W for Installation in Hollow Ceilings - Input: 110/250V~ - 50Hz. - Output: 15V< ___ >12W. - Capacity to supply 4 Stereo Sound Control Units or 8 Mono Sound Control Units. - Possible to mount on the Flush Mounting Deep Ceiling Box for Loudspeaker of 5" and Stereo/Mono Amplifier (Ref. 75984).	75053	-	1

Accessories

	Flush Mounting Ceiling Box for Loudspeaker of 5" - External dimensions (mm): Ø 165, P=64.	75983	-	10
	Flush Mounting Deep Ceiling Box for Loudspeaker of 5" and Stereo/Mono Amplifier - External dimensions (mm): Ø 165, P=92.	75984	-	10
	Pre-installation Lid for Loudspeaker of 5" - External dimensions (mm): Ø 173. - To be used with Boxes Ref. 75983 and Ref. 75984.	75999 A	BR	2
	Flush Mounting Box for Squared Grid 2-Way Loudspeakers - External dimensions (H x W x D): 227.8 x 227.8 x 119 mm.	75986	-	-

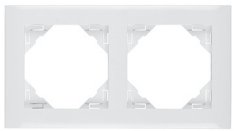
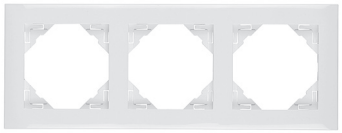
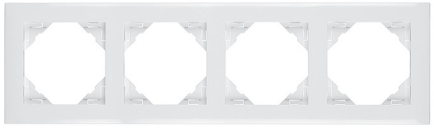
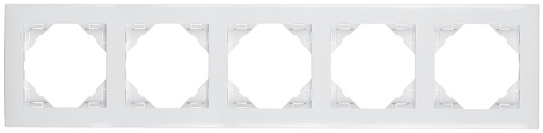
Legend: BR – White.

Complete devices

		Order code	Color	Box (Un)
	Monoblock Earth Socket (Schuko Type) 16A - 250V~	90135 C	BR MF GE PE AL IS PM DU	10
	Monoblock Safety Earth Socket (Schuko Type),with safety diaphragm 16A - 250V~	90138 C	BR MF GE PE AL IS PM DU	10
	Monoblock Safety Earth Socket (Schuko Type) with safety diaphragm 16A - 250V~	90139 C	BR MF GE PE AL IS PM DU	10
	Earth Socket (British Type) with Switch and Pilot Lamp 13A - 250V~	90183 C	BR MF GE PE AL IS PM DU	10
	Earth Socket (British Type) 13A - 250V~	90184 C	BR MF GE PE AL IS PM DU	10
	Double Earth Socket (British Type) with Switch and Pilot Lamp 13A - 250V~	90343 C	BR MF GE PE AL IS PM DU	5
	Double Earth Socket (British Type) 13A - 250V~	90344 C	BR MF GE PE AL IS PM DU	5
	Monoblock Double Earth Socket (Schuko Type) 16A - 250V~	90331 C	BR MF GE PE AL IS PM DU	10
	Monoblock Double Safety Earth Socket (Schuko Type) 16A - 250V~	90332 C	BR MF GE PE AL IS PM DU	10
	Electronic Dimmer/Two-way Switch - 320W R, C - 5-320W. - Silent.	90212 C	BR MF GE PE AL IS PM DU	1

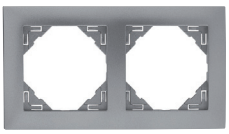
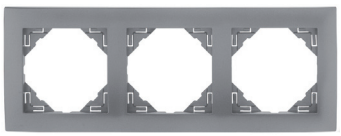
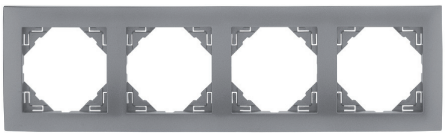
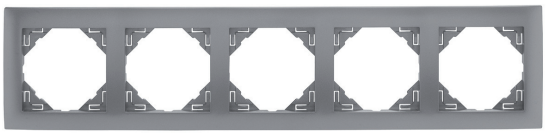
Legend: C - Complete devices; S - Semi-assembled. BR - White; MF - Ivory; GE - Ice ; PE - Pearl; AL - Aluminium; IS - Gray, PM - Black, DU - Gold.
To obtain complete or semi-assemblies in the CRYSTAL, METALLO, ARBORE or PETRA series, replace the AQUARELLA frames with the appropriate row.

Frames - BASE series

	Order code	Color	Box (Un)
Single Frame	90910 T	BR MF	20
 Double Frame	90920 T	BR MF	10
 Triple Frame	90930 T	BR MF	10
 Four-Gang Frame	90940 T	BR MF	2
 Five-Gang Frame	90950 T	BR MF	2
Monoblock Cover for Earth Socket (Schuko Type)	90902 T	BR MF GE PE AL IS PM DU	20
Monoblock Cover for Safety Earth Socket (Schuko Type)	90903 T	BR MF GE PE AL IS PM DU	20
Monoblock Cover for Safety Earth Socket (French Type)	90904 T	BR MF GE PE AL IS PM DU	20
Back Plate + cover for Antenna socket R + TV	90905 T	BR MF	20
Back plate + cover of R TV + SAT socket	90906 T	BR MF	2
Back Plate + cover for Data socket R TV + DAT	90907 T	BR MF	2

Legend: T - Rocker, Cover Plate or Frame. BR – White; MF – Ivory; GE - Ice ; PE - Pearl; AL - Aluminium; IS - Gray, PM - Black, DU - Gold.

Frames - AQUARELLA series

		Order code	Color	Box (Un)
	Single Frame	90910 T	GE PE AL IS PM DU	2
	Double Frame	90920 T	GE PE AL IS PM DU	2
	Triple Frame	90930 T	GE PE AL IS PM DU	2
	Four-Gang Frame	90940 T	GE PE AL IS PM DU	2
	Five-Gang Frame	90950 T	GE PE AL IS PM DU	2

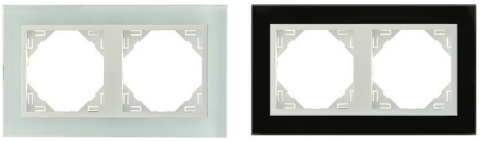
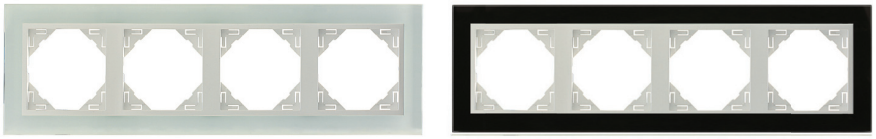
Legend: T - Rocker, Cover Plate or Frame. GE - Ice, PE - Pearl, AL - Aluminium, IS - Gray, PM - Black, DU - Gold.

Frames - ANIMATO series

		Order code	Color	Box (Un)
	Single Frame	90910 T	BB EE MM PP RG TS DG BS ZG AA JG AS VG SS PS PG RR PA UG UU	2
	Double Frame	90920 T	BB EE MM PP RG TS DG BS ZG AA JG AS VG SS PS PG RR PA UG UU	2
	Triple Frame	90930 T	BB EE MM PP RG TS DG BS ZG AA JG AS VG SS PS PG RR PA UG UU	2
	Four-Gang Frame	90940 T	BB EE MM PP RG TS DG BS ZG AA JG AS VG SS PS PG RR PA UG UU	2

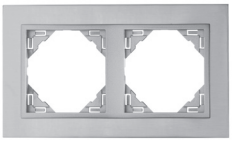
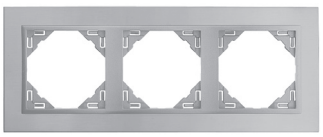
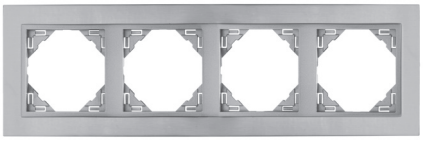
Legend: T - Rocker, Cover Plate or Frame.
BB - White/White, EE - Ice/Ice, MM - Ivory/Ivory, PP - Pearl/Pearl, RG - Yellow/Ice, TS - Brick/Gray, DG - Green/Ice,
BS - Wine/Gray, ZG - Blue/Ice, AA - Aluminium/Aluminium, JG - Orange/Ice, AS - Aluminium/Gray, VG - Red/Ice, SS - Gray/Gray,
PS - Black/Gray, PG - Black/Ice, RR - Black/Black, PA - Black/Aluminium, UG - Gold/Ice, UU - Gold/Gold.

Frames - CRYSTAL series

		Order code	Color	Box (Un)
	Single Frame	90910 T/ 90910 E	CG CP CA CS/ EC EG EA ES EP	1
	Double Frame	90920 T/ 90920 E	CG CP CA CS/ EC EG EA ES EP	1
	Triple Frame	90930 T/ 90930 E	CG CP CA CS/ EC EG EA ES EP	1
	Four-Gang Frame	90940 T/ 90940 E	CG CP CA CS/ EC EG EA ES EP	1

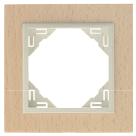
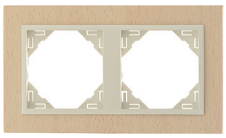
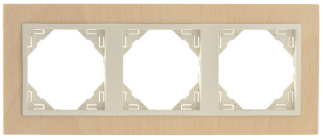
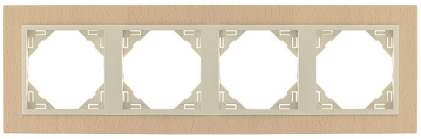
Legend: T/E - Rocker, Cover Plate or Frame. CG - Cristal/Ice; CP - Cristal/Pearl; CA - Cristal/Aluminium; CS - Cristal/Gray; EC - Glass-black/Pearl; EG - Glass-black/Ice; EA - Glass-black/Aluminium; ES - Glass-black/Gray, EP - Glass-black/Black.

Frames - METALLO series

		Order code	Color	Box (Un)
	Single Frame	90910 T	TP IA OP QS US RS UU	1
	Double Frame	90920 T	TP IA OP QS US RS UU	1
	Triple Frame	90930 T	TP IA OP QS US RS UU	1
	Four-Gang Frame	90940 T	TP IA OP QS US RS UU	1

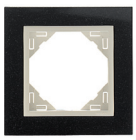
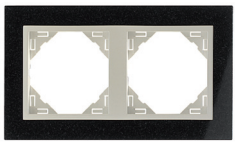
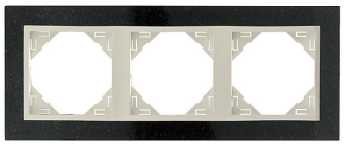
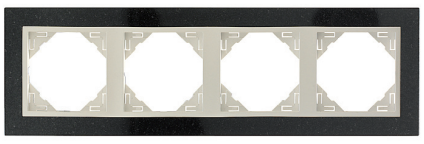
Legend: T - Rocker, Cover Plate or Frame. TP - Titanium/Pearl; IA- Inox/Aluminium; OP- Gold/Pearl; QS - Nickel/Gray; US - Aluminium/Gray; RS - Chrome/Gray; UU - Gold/Gold.

Frames - ARBORE series

		Order code	Color	Box (Un)
	Single Frame	90910 T	FP JP MS NA	1
	Double Frame	90920 T	FP JP MS NA	1
	Triple Frame	90930 T	FP JP MS NA	1
	Four-Gang Frame	90940 C	FP JP MS NA	1

Legend: T - Rocker, Cover Plate or Frame. FP - Beach Wood/Pearl, JP - Cherry Tree /Pearl, MS - Mahogany/Gray, NA - Walnut Tree/Aluminium.

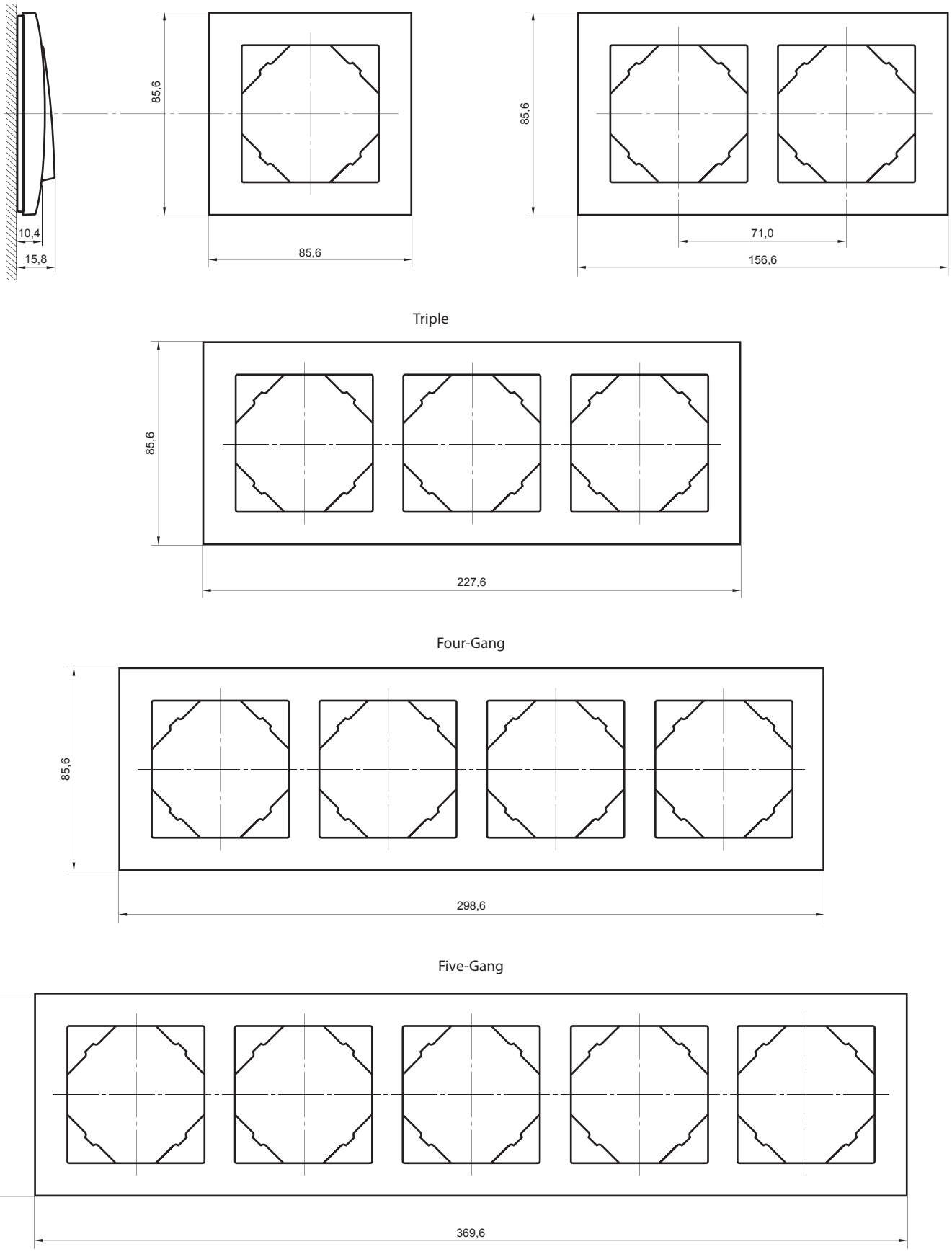
Frames - PETRA series

		Order code	Color	Box (Un)
	Single Frame	90910 T	GG GP GA GS	1
	Double Frame	90920 T	GG GP GA GS	1
	Triple Frame	90930 T	GG GP GA GS	1
	Four-Gang Frame	90940 C	GG GP GA GS	1

Legend: T - Rocker, Cover Plate or Frame. GG - Granite/Ice; GP - Granite/Pearl; GA - Granite/Aluminium; GS - Granite/Gray.

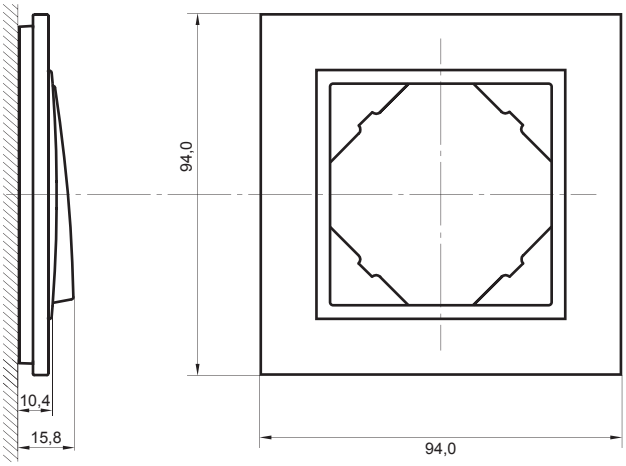
Frames - Dimensions (mm) - BASE and AQUARELLA

FRAME
+
DIMENSIONS



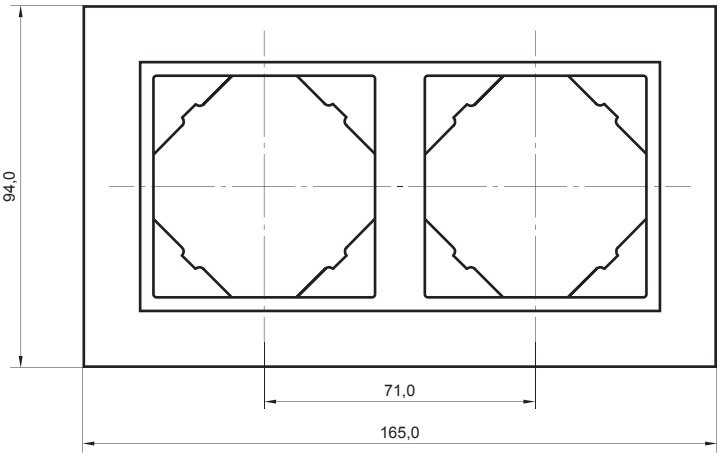
Frames - Dimensions (mm) - ANIMATO, CRYSTAL, METALLO, ARBORE and PETRA

FRAME
+
DIMENSIONS

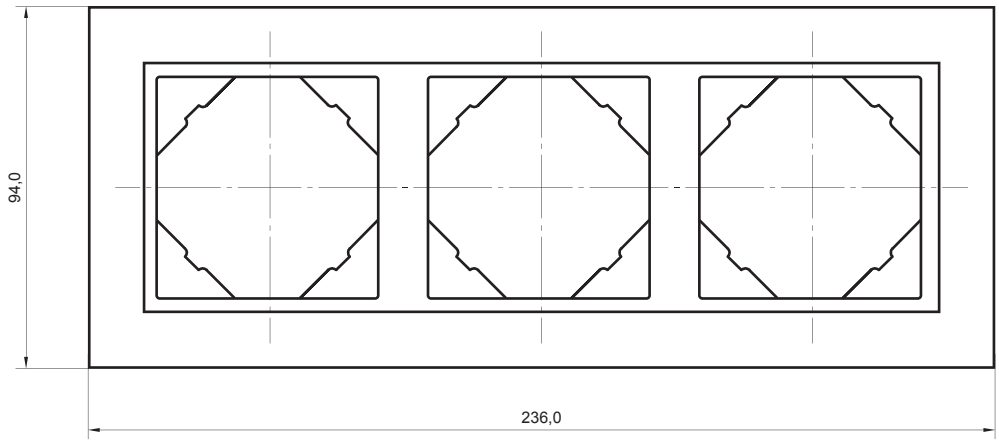


Single

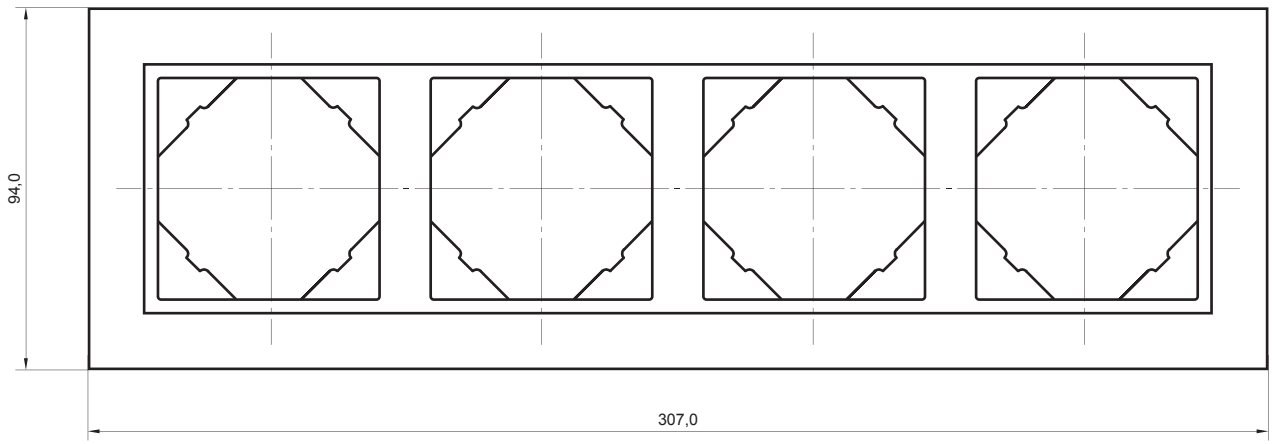
Double



Triple

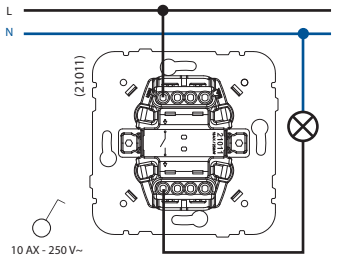


Four-Gang

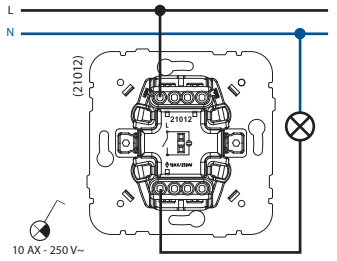


Devices designed for the LOGUS^{90} design line

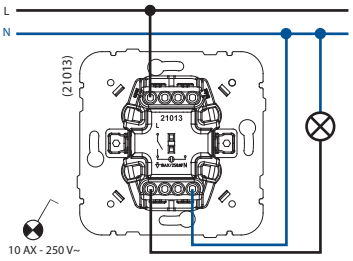
SINGLE POLE SWITCH



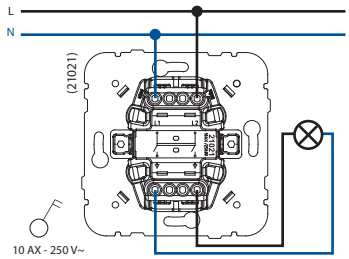
SINGLE POLE SWITCH WITH ORIENTING LIGHT



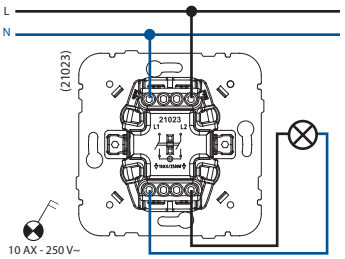
SINGLE POLE SWITCH WITH PILOT LAMP



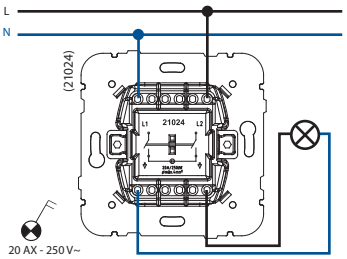
TWO-POLE SWITCH



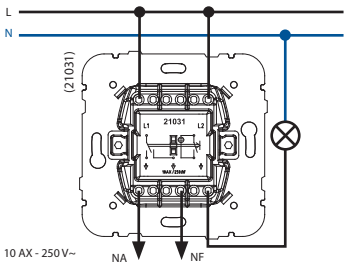
TWO-POLE SWITCH WITH PILOT LAMP



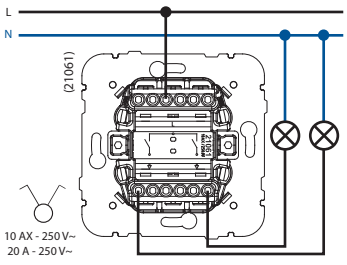
TWO-POLE SWITCH WITH PILOT LAMP - 20A



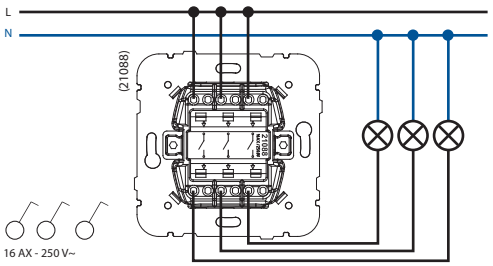
CARD-SYSTEM SWITCH



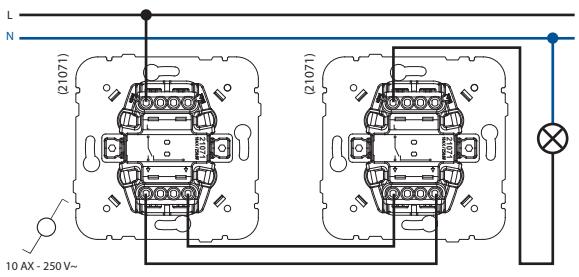
TWO CIRCUITS SWITCH



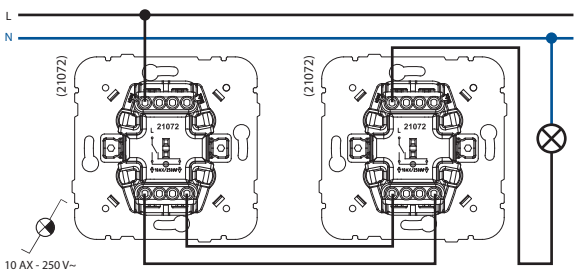
THREE CIRCUITS SWITCH



TWO-WAY SWITCH - 10A AND 20A

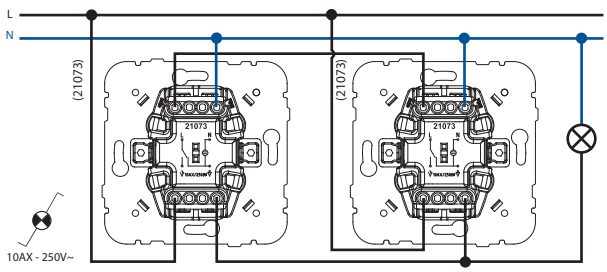


TWO-WAY SWITCH WITH ORIENTING LIGHT

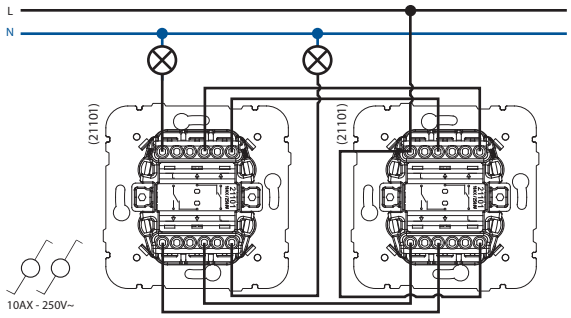


Devices designed for the LOGUS90 design line

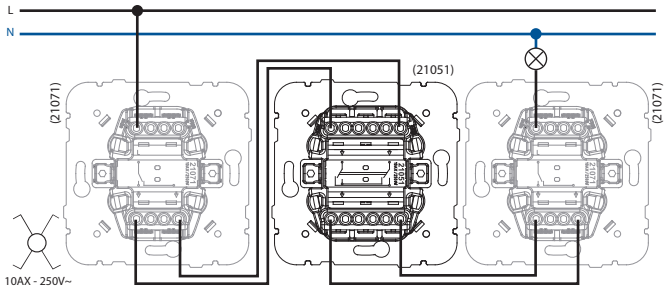
TWO-WAY SWITCH WITH PILOT LAMP



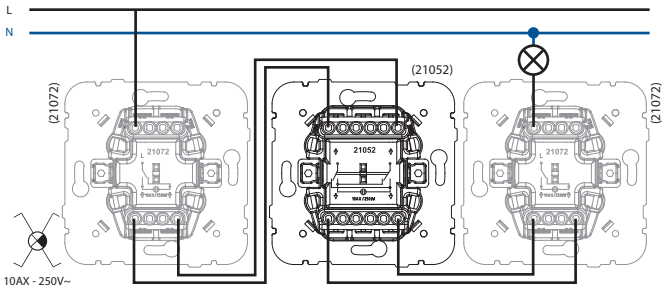
DOUBLE TWO-WAY SWITCH - 10A AND 20A



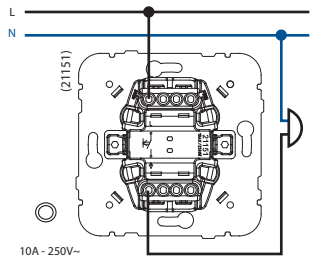
INTERMEDIATE SWITCH



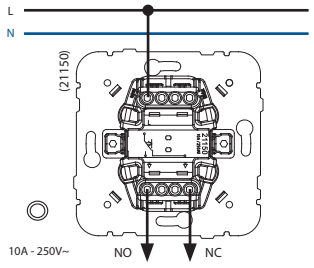
INTERMEDIATE SWITCH WITH ORIENTING LIGH



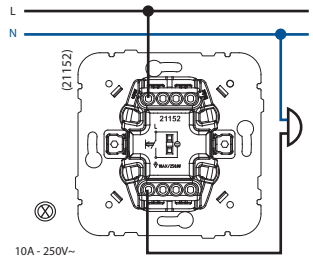
ROCKER PUSH-BUTTON



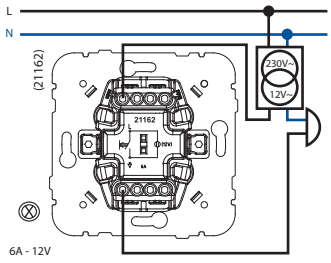
ROCKER PUSH-BUTTON (NO+NC)



ROCKER PUSH-BUTTON WITH ORIENTING LIGHT - 250V~

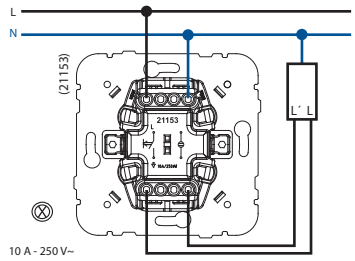


ROCKER PUSH-BUTTON WITH ORIENTING LIGHT - 12V

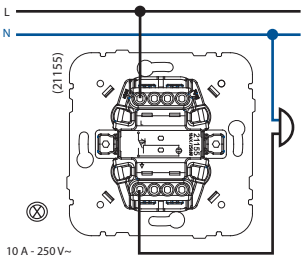


Devices designed for the LOGUS^{90} design line

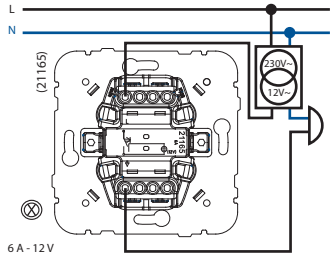
ROCKER PUSH-BUTTON WITH INDEPENDENT PILOT LAMP



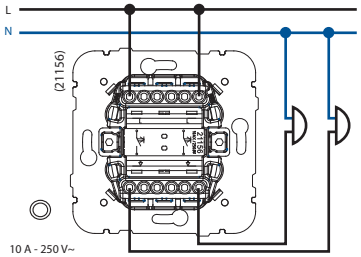
ROCKER PUSH-BUTTON WITH IDENTIFICATION 250V~



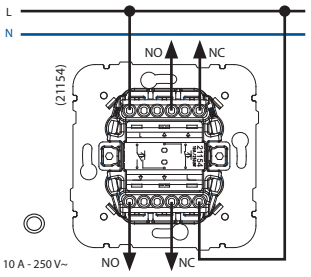
ROCKER PUSH-BUTTON WITH IDENTIFICATION 12V



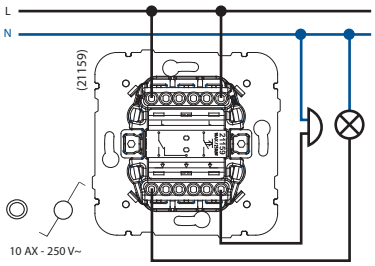
DOUBLE PUSH-BUTTON



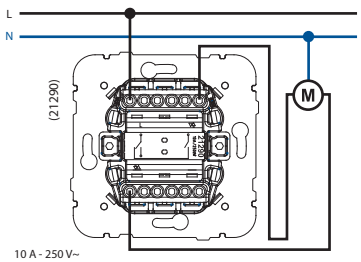
DOUBLE PUSH-BUTTON (2NO+2NC)



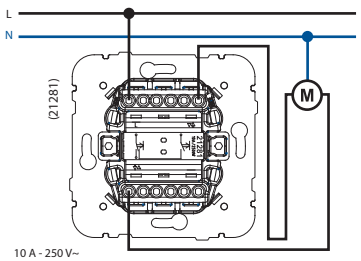
ROCKER PUSH-BUTTON / TWO-WAY SWITCH



VENETIAN SWITCH WITH MECHANICAL BLOCKAGE

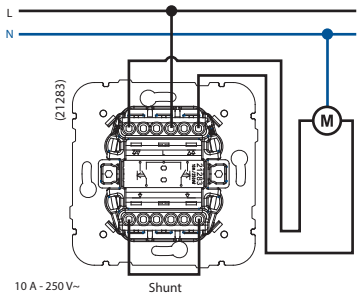


VENETIAN DOUBLE PUSH-BUTTON

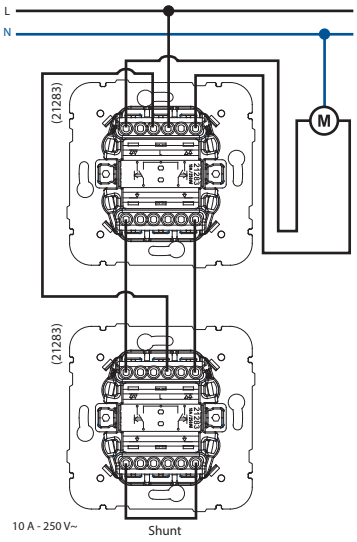


Devices designed for the LOGUS90 design line

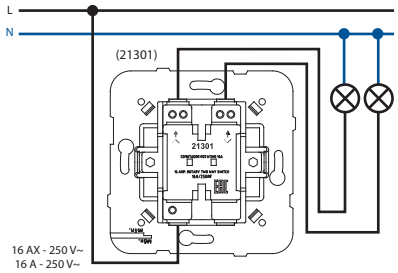
VENETIAN DOUBLE PUSH-BUTTON FOR MULTIPLE POINTS BLINDS CONTROL (Control for 1 point)



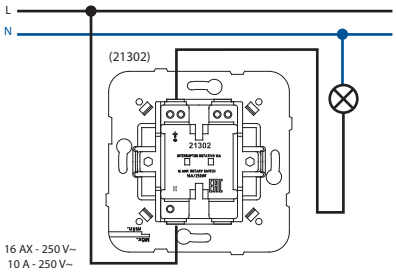
VENETIAN DOUBLE PUSH-BUTTON FOR MULTIPLE POINTS BLINDS CONTROL (Control from 2 or several points)



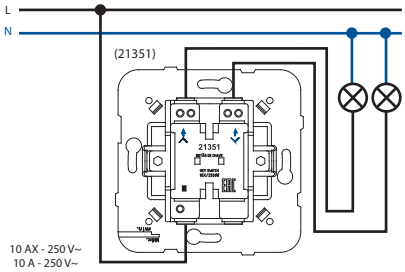
ROTARY TWO-WAY SWITCH - 16A ROTARY PUSH-BUTTON



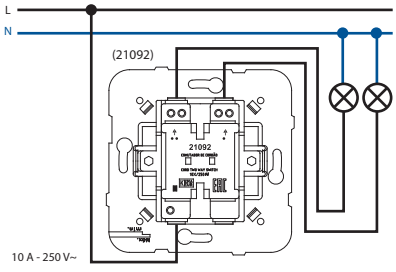
ROTARY SWITCH - 16A PULL-CORD PUSH-BUTTON



KEY LOCK TWO-WAY SWITCH KEY LOCK PUSH-BUTTON



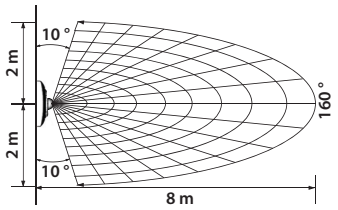
PULL-CORD TWO-WAY SWITCH



Motion detector (NO+NC)

Motion Detector - 1000W (Order code 21401/45401 S)
Motion Detector - 400W (Order code 21402/45402 S)

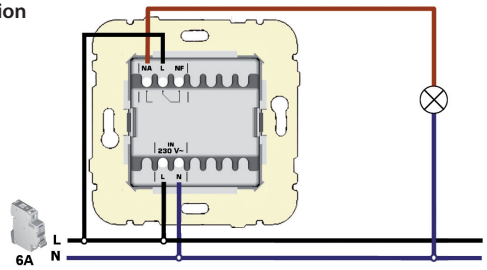
Controls the connection of electrical circuits according to the detection of motion and surrounding luminosity.
Compatible with any electrical load.
Wall mounting.



Technical parameters	Order code 21401/45401 S	Order code 21402/45402 S
Voltage range:	230 V~ - 50/60 Hz	
Consumption:	1 W	
Max. Light load:	1000 W	400 W
Sensitivity regulation:	√	
Operating time regulation:	5 sek. to 5 min.	
Range of detection:	8 m	
Detection angle:	160°	
Outputs:	NO / NC	

NB: NO - normally open; NC - normally closed.

• **Connection**



• **Operatin**

1. Remove the cover of the mechanism to reach the adjustments potentiometers.
2. Proceed to make the necessary adjustments.

Dimmer

Electronic Dimmer/Two-way Switch - 320W R, C (Order code 21212)

Allows to adjust the luminous flux of one or more lamps.

Technical parameters	Order code 21212
Maximum load:	320 W
Minimum load:	5 W
Two-way function Switches:	√
Minimum intensity setting:	*
Fuse:	—
Bulbs:	√
Halogen lamps, 230 V ~:	√
Halogen lamps with ferromagnetic transformer:	—
Halogen lamps with electronic transformer:	√

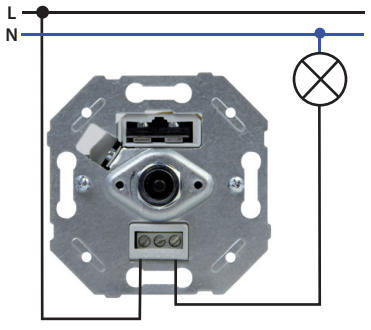
Note: * - automatic setting

• **Settings**

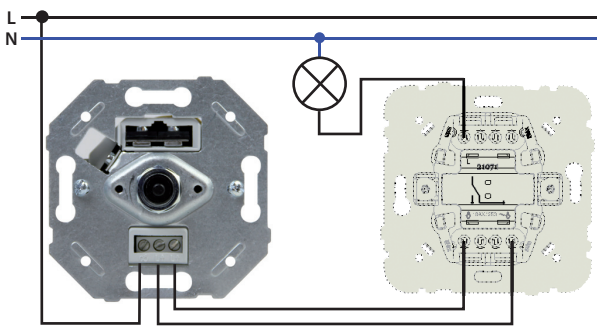
Turn the potentiometer to adjust the intensity of the lamp or group of luminaires.
By pressing the button, the switch switches to the two-way dimmer function.
Check voltage on the bottom edge.
(Order code 21212)

• **Connection**

Electronic Dimmer/Two-way Switch



Two-way dimmer



Multi-functional Chronothermostat

Multi-functional Chronothermostat

It allows to control manually or automatically the heating/cooling system in accordance with a daily/weekly programming and with preprogrammed temperatures.
Automatic winter/summer time change.
Possibility of programming a period of inactivity (holydays).

Technical parameters	21235
Power:	100-240V~, 50/60 Hz
Maximum load:	16A cos ø = 1
Backlight consumption ON:	<350 mW
Backlight consumption OFF:	<100 mW
Temperature reading range:	-9 °C to 35°C
Temp. monitoring accuracy:	0.5 °C
Operating Temperature:	-10 to 45°C

- **Characteristics**

Control systems: Heating and/or Cooling.
Possibility of connecting to the External Sensor.
Temperature reading: Internal Sensor or External Sensor or both.
Possibility of maximum of 7 periods/programs per day.
Key lock.

Multi-functional Thermostat

Multi-functional Thermostat

Allows to control the heating or cooling system in accordance with the required temperature.
Possibility of connecting the Floor Temperature Sensor, with automatic self detection.
Possibility to be controlled by the Infrared Remote Control Transmitter.

Technical parameters	21236
Power:	100-240V~, 50/60 Hz
Maximum load:	16A cos ø = 1
Backlight consumption ON:	<350 mW
Backlight consumption OFF:	<100 mW
Temperature reading range:	-9 °C .. 35°C
Temp. monitoring accuracy:	0.5 °C
Operating Temperature:	-10 .. 45°C

- **Characteristics**

Control systems: Heating and/or Cooling.
Possibility of connecting to the External Sensor.
Temperature reading: Internal Sensor or External Sensor or both.
Can be remotely controlled via an IR transmitter.
Timer up to 6h.
Key lock.

Electrical Blinds Control

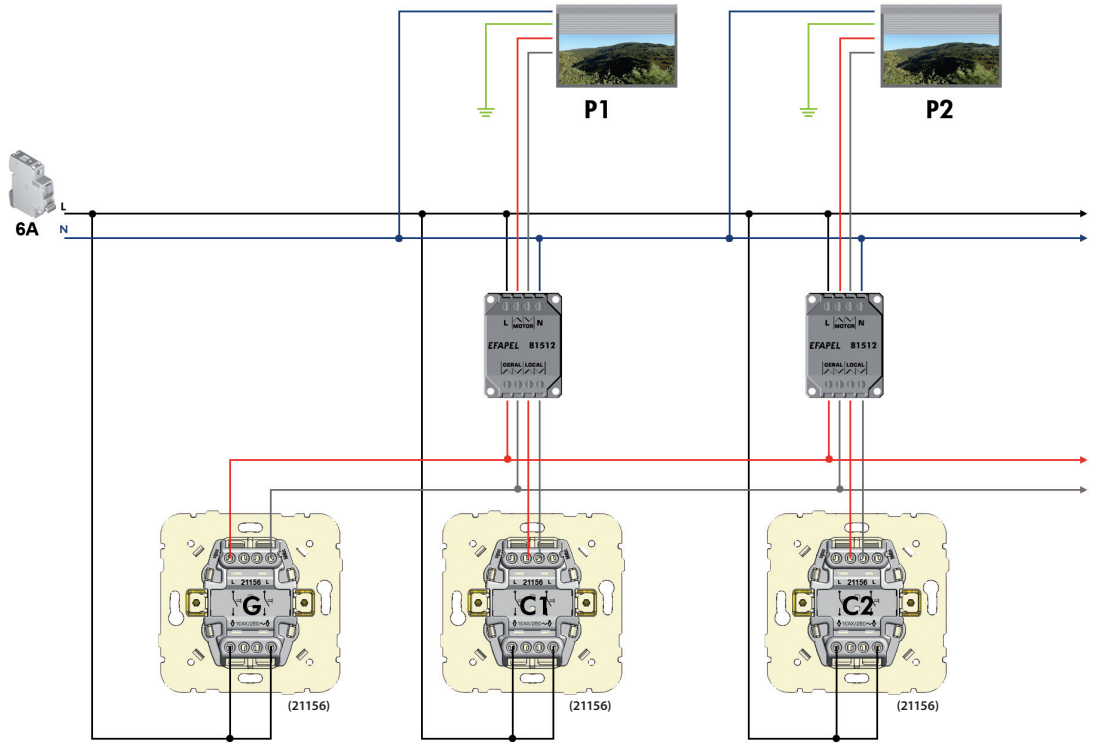
Automatic Relay for Blinds Control (Order code 81512)

Allows to control the individual and general control of a set of blinds.
Can be installed into a standard wall box, in the derivation boxes near the blinds or in deep wall boxes and behind the wiring devices installed in the same box.

Technical parameters	Order code 81512
Voltage range:	230 V / 50 Hz
Consumption:	1 W
Load capacity:	6 A (1380 W, cos φ=1)
Opening and closing time:	90 s
Electrical blockage:	√
Dimensions (H x W x D):	48 x 36.3 x 24 mm

• Wiring Diagram

Blinds Centralized Installation - with Automatic relayS for blinds control (Ref. 81512)



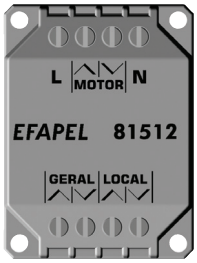
P1, P2 – blinds
G (21156) - main module
C1, C2.. (21156) - local module

Note: The protection against two simultaneous orders of open or close applied in the same device or different devices, is guaranteed by the software of the relay.

• Automatic Relay for Blinds Control (Ref. 81512)

Terminal

⮟	Output for motor - Down
⮝	Output for motor - Up
L	Phase
N	Neutral
⮟	Signal input for central control - Down
⮝	Signal input for central control - Up
⮟	Signal input for local control - Down
⮝	Signal input for local control - Up



Electrical Blinds Control

Relay for Blinds Control (Order code 81511)

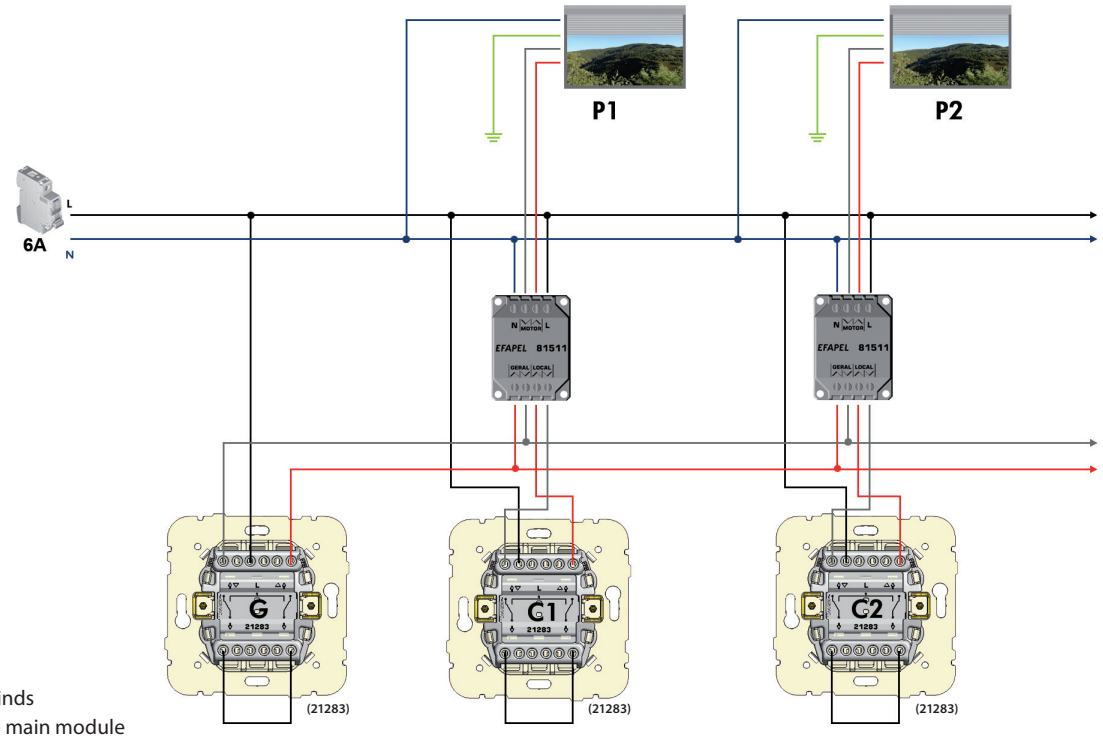
Allows the individual and general control of a set of blinds.
Can be installed into a standard wall box, in the derivation boxes near the blinds or in deep wall boxes and behind the wiring devices installed in the same box.

Technical parameters	Order code 81511
Voltage range:	230 V / 50 Hz
Consumption:	1 W
Load capacity:	6 A (1380 W, cos φ = 1)
Opening and closing time:	90 s
Electrical blockage:	x*
Dimensions (H x W x D):	48 x 36.3 x 24 mm

* Electrical blockage: with the Relay for Blinds Control, the electrical blockage (protection against two simultaneous orders) is guaranteed by the association of the Relay for Blinds Control with the Venetian Double Push-button for Multiple Points Blinds Control (Ref. 21283 / 45283 S).

• Wiring Diagram

Blinds Centralized Installation - with RELAYS for BLINDS CONTROL (Ref. 81511)



P1, P2 – blinds
G (21283) - main module
C1, C2.. (21283) - local module

Notes: The protection against two simultaneous opening and close orders in the same device or different devices is guaranteed by the combination of the mechanism (Ref. 21283 / 45283 S) and the relay (Ref. 81511). For this reason, this relay works only with the mentioned mechanism.

• Functions (Order code 81511)

Terminal

⮟	Output for motor - Down
⮝	Output for motor - Up
L	Phase
N	Neutral
⮟	Signal input for central control - Down
⮝	Signal input for central control - Up
⮟	Signal input for local control - Down
⮝	Signal input for local control - Up

Dimmer

MEC 21 Mechanisms:
– Finishings - LOGUS90 | **sirius70** | APOLO 5000.
Allows to adjust the luminous flux of one or more lamps.

• **Function**
- rotary variation of luminous flux.
- Press button for ON / OFF switching status.

• **Maximum Recommended Loads**

230V~ 50 Hz	Type	Fuse	Min.	R Max.	R Max.	RL DIMMABLE Max.	RC DIMMABLE Max.	RC CFL DIMMABLE Max.	RC LED DIMMABLE Max.	EVG 1-10 V Max.	M Max.
Prep. 21210	-	F0.8A/250V~	-	-	-	-	-	-	-	40 mA	-
Prep. 21211		T2A/250V~	20 W/VA	500 W	500 W	500 VA	-	-	-	-	-
Prep. 21212		-	5 W/VA	320 W	320 W	-	320 VA	-	-	-	-
Prep. 21213		-	20 W/VA	550 W	550 W	-	550 VA	-	-	-	-
Prep. 21214		T1A/250V~	7 W/VA 3 W (LED)	110 W	110 W	110 VA	-	110 W	35 W	-	-
Prep. 21215		-	15 W/VA 3 W (LED)	150 W	150 W	-	150 VA	150 W	50 W	-	-
Prep. 21216		T2A/250V ~	20 W/VA 3 W (LED)	250 W	250 W	250 VA	-	250 W	85 W	-	-
Prep. 21217		-	15 W/VA 5 W (LED)	450 W	450 W	-	450 VA	450 W	150 W	-	-
Prep. 21219		F2.5A/250V~	20 W/VA	600 W	600 W	-	-	-	-	-	600 VA

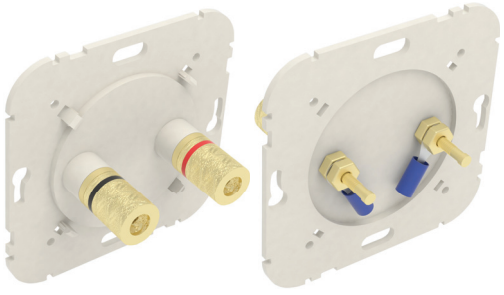
USB Charger

MEC 21 Serie

USB Socket - 2100 mA - allows you to charge portable devices via a USB socket (mobile phones, smartphones, tablets, powerbanks, MP3, MP4, etc.).

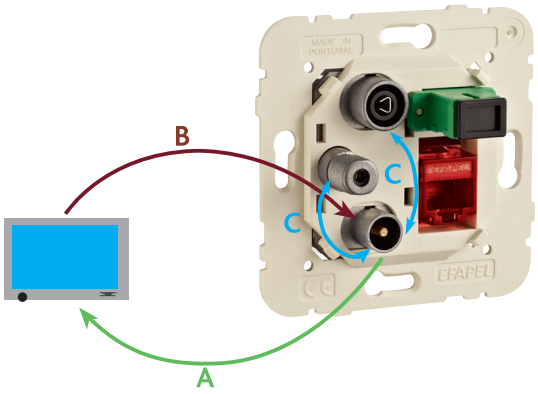
Technical parameters	Order code 21384
Voltage / Frequency:	100~240 V / AC 50~60 Hz
Output voltage:	5 V
Maximum Output Power:	2.4 A
Efficiency:	80 %
Standby power consumption:	< 0.1 W
Output:	2x USB A type

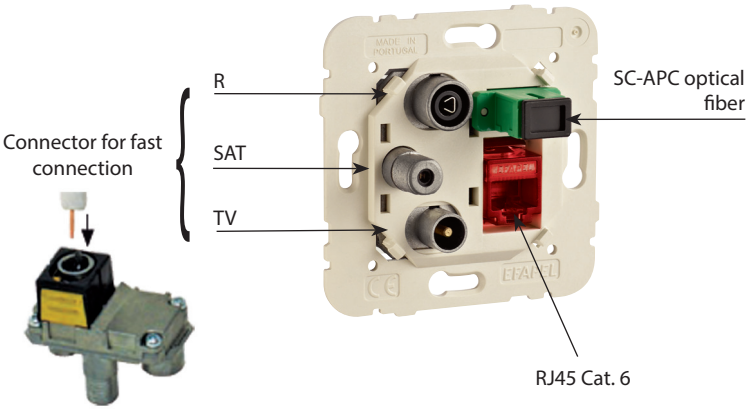
Screw Terminal Loudspeaker Socket



Order code 21220 (replacement 21221)
The exposed wire end can be pulled into the screw terminal or a standard banana plug can be used.

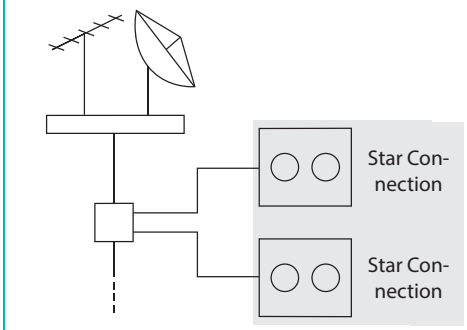
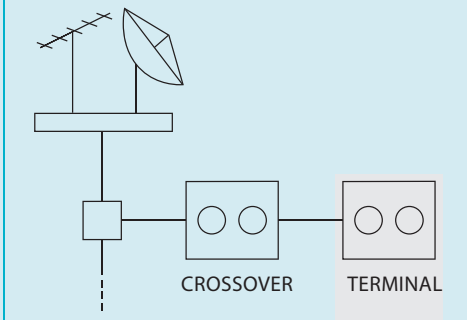
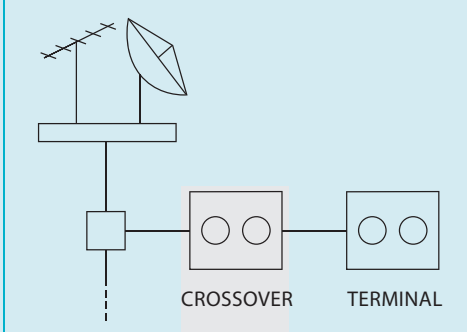
Multimedia Sockets | Radio, Television and Satellite sockets





A	Derivation Losses
B	Return Losses
C	Isolation between Outputs

Sockets Typ

Typology		Order code		RADIO	TV	SAT	FO SC-APC	RJ45 Cat. 6
STAR CONNECTION		Multimedia	21545	●	●	●	●	●
		Multimedia	21544	●	●	●	-	●
		Multimedia	21546	●	●	●	-	●●
		Multimedia	21535	●	●	-	●	●
		Multimedia	21534	●	●	-	-	●
		R - TV - SAT	21543	●	●	●	-	-
		R - TV	21533	●	●	-	-	-
SERIES CONNECTION		R - TV - SAT	21555	●	●	●	-	-
		R - TV	21554	●	●	-	-	-
		R - TV - SAT	21565	●	●	●	-	-
		R - TV	21564	●	●	-	-	-

Multimedia Sockets | Radio, Television and Satellite sockets

R - TV - SAT SOCKETS (Impedance of 75 Ohm)

LINEAL	Outputs		Derivation Losses (dB)										Insertion Losses dB	Insulation between Outputs dB	Return Losses dB	DC Current Passage mA (DC)
	Connector/ Outputs		RETURN	BI	Sub Band	FM	S. Low	BIII /DAB	S. High Hyper	UHF	SAT					
Order code			4-47 MHz	47-68 MHz	68-80 MHz	84-108 MHz	112-174 MHz	174-230 MHz	230-446 MHz	470-862 MHz	950-2150 MHz	2150-2400 MHz				
STAR 21543 21544 21545 21546 45543 S NQ 2b	IEC MALE	TV	<1	<1	<1	<1	<1	<1	<1	<1	--	--	--	>20	>18	--
	IEC FEMALE	R	<20	<20	<20	<20	<20	<20	<20	<20	--	--				--
	F FEMALE	SAT	--	--	--	--	--	--	--	--	<3	<3				(SAT-IN) 500mA
TERMI-NAL 21555 45555 S NQ 2b	IEC MALE	TV	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	--	--	--	>12	>18	--
	IEC FEMALE	R	<20	<20	<20	<20	<20	<20	<20	<20	--	--				--
	F FEMALE	SAT	--	--	--	--	--	--	--	--	$5^{\pm1}$	$5^{\pm1}$				(SAT-IN) 500mA
CROSSO-VER 21565 45565 S NQ 2b	IEC MALE	TV	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	--	--	<3	>12	>18	--
	IEC FEMALE	R	$18^{\pm1}$	$18^{\pm1}$	$18^{\pm1}$	$18^{\pm1}$	$18^{\pm1}$	$18^{\pm1}$	$18^{\pm1}$	$18^{\pm1}$	--	--				--
	F FEMALE	SAT	--	--	--	--	--	--	--	--	$9^{\pm1}$	$9^{\pm1}$				(SAT-IN) 500mA

R - TV SOCKETS (Impedance of 75 Ohm)

EQUALIZED	Outputs		Derivační ztráty (dB)										Insertion Losses dB	Insulation between Outputs dB	Return Losses dB
	Connector/ Outputs		RETURN	BI	Sub Band	FM	S. Low	BIII /DAB	S. High Hyper	UHF	SAT				
Order code			4-47 MHz	47-68 MHz	68-80 MHz	84-108 MHz	112-174 MHz	174-230 MHz	230-446 MHz	470-862 MHz	950-2150 MHz	2150-2400 MHz			
STAR 21533 21534 21535 45533 S NQ 2a	IEC MALE	TV	<1	<1	<1	--	<1	<1	<1	<1	--	--	--	>20	--
	IEC FEMALE	R	--	--	--	$2^{\pm0.3}$	--	--	--	--	--	--			
TERMI-NAL 21554 45554 S NQ 2a	IEC MALE	TV	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	--	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	$5^{\pm1}$	--	--	--	>20	>18
	IEC FEMALE	R	--	--	--	$6^{\pm1}$	--	--	--	--	--	--			
CROSSO-VER 21564 45564 S NQ 2a	IEC MALE	TV	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	--	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	$9^{\pm1}$	--	--	$1^{\pm0.5}$	>20	>18
	IEC FEMALE	R	--	--	--	$9^{\pm1}$	--	--	--	--	--	--			

WATERPROOF 48
series

EFAPEL with the series **Waterproof 48** is the right choice for "any terrain" when performing an electrical installation in a moist or dusty environment.

Thanks to IP65 protection and use of thermoplastic with high resistance to weather conditions, the **Waterproof 48** series represents the best solution for installations in industrial areas, garages and gardens.

It is produced in the traditional color gray – RAL 7035 – and in white – RAL 9003, which are colors used in EFAPEL technical cable trunkings.

The series **Waterproof 48** has 34 functions; these can be mounted in simple or double bases and in vertical or horizontal positions.

IP65

IK07

16A

WATERPROOF 48 series

Control Devices

		Order code	Color	Box (Un)
	Single Pole Switch 16AX - 250V~	48011 C	CZ BR	10
	Single Pole Switch with Orienting Light 16AX - 250V~	48012 C	CZ BR	10
	Single Pole Switch with Pilot Lamp 16AX - 250V~	48013 C	CZ BR	10
	Two Circuits Switch IP65, IK07 16AX - 250V~	48061 C	CZ BR	10
	Two-pole Switch IP65, IK07 16AX - 250V~	48021 C	CZ BR	10
	Two-pole Switch with Pilot Lamp 16AX - 250V~	48023 C	CZ BR	10
	Intermediate Switch IP65, IK07 16AX - 250V~	48051 C	CZ BR	10
	Intermediate Switch with Orienting Light IP65, IK07 16AX - 250V~	48052 C	CZ BR	10
	Two-way Switch IP65, IK07 16AX - 250V~	48071 C	CZ BR	10
	Two-way Switch with Orienting Light IP65, IK07 16AX - 250V~	48072 C	CZ BR	10
	Two-way Switch with Pilot Lamp IP65, IK07 16AX - 250V~	48073 C	CZ BR	10
	Double Two-way Switch IP65, IK07 16AX - 250V~	48101 C	CZ BR	10

Legend: C - Complete devices; BR -White; CZ - Gray.

WATERPROOF 48 series

Control Devices

		Order code	Color	Box (Un)
	Rocker Push-button IP65, IK07 16A - 250V~	48151 C	CZ BR	10
	Rocker Push-button with Orienting Light - 250V~ IP65, IK07 16A - 250V~	48152 C	CZ BR	10
	Rocker Push-button with Orienting Light - 12V IP65, IK07 6A - 12V	48162 C	CZ BR	10
	Venetian Double Push-button IP65, IK07 16A - 250V~	48281 C	CZ BR	10
	Venetian Double Push-button for multiple points Blinds Control IP65, IK07 16A - 250V~	48283 C	CZ BR	10
	Venetian Switch IP65, IK07 16A - 250V~	48290 C	CZ BR	10

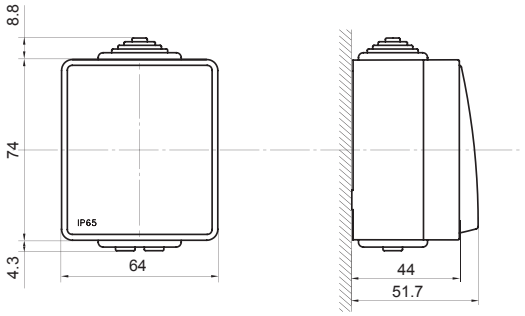
Energy Sockets

		Order code	Color	Box (Un)
	Safety Earth Socket (French Type) IP65, IK07 16A - 250V~	48112 C	CZ BR	10
	Safety Single Phase Socket IP65, IK07 16A - 250V~	48122 C	CZ BR	10
	Earth Socket (Schuko Type) IP65, IK07 16A - 250V~	48131 C	CZ BR	10
	Safety Earth Socket (Schuko Type) IP65, IK07 16A - 250V~	48132 C	CZ BR	10

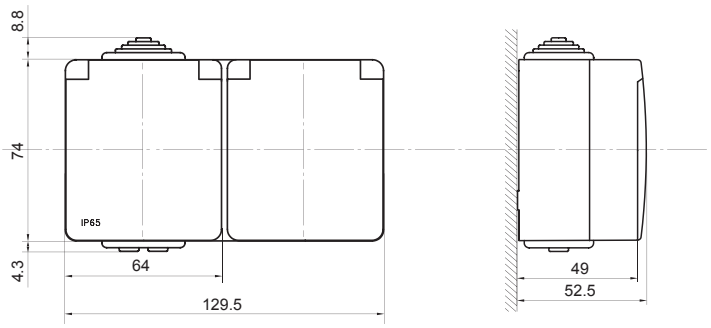
Legend: C - Complete devices; BR -White; CZ - Gray.

Dimensions (mm)

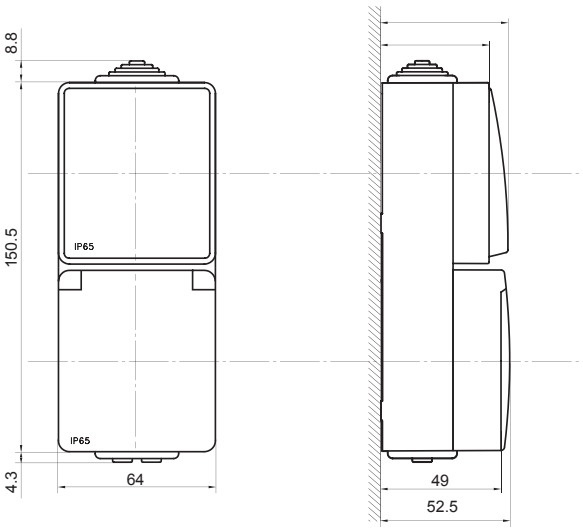
INSTRUMENT / SOCKET



TWO-INSTRUMENT / SOCKET
- horizontal



TWO-INSTRUMENT / SOCKET
- vertical



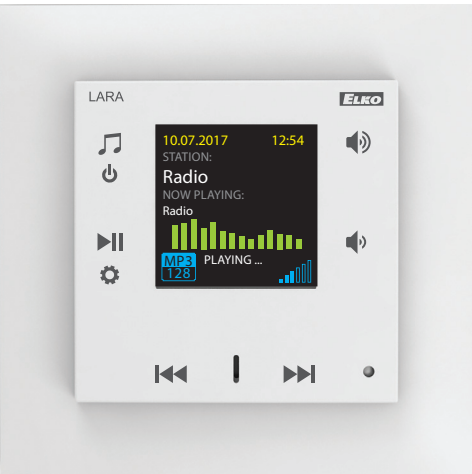
LARA... player in the switch

Radio / Music / Intercom / Videophone / Audiozone

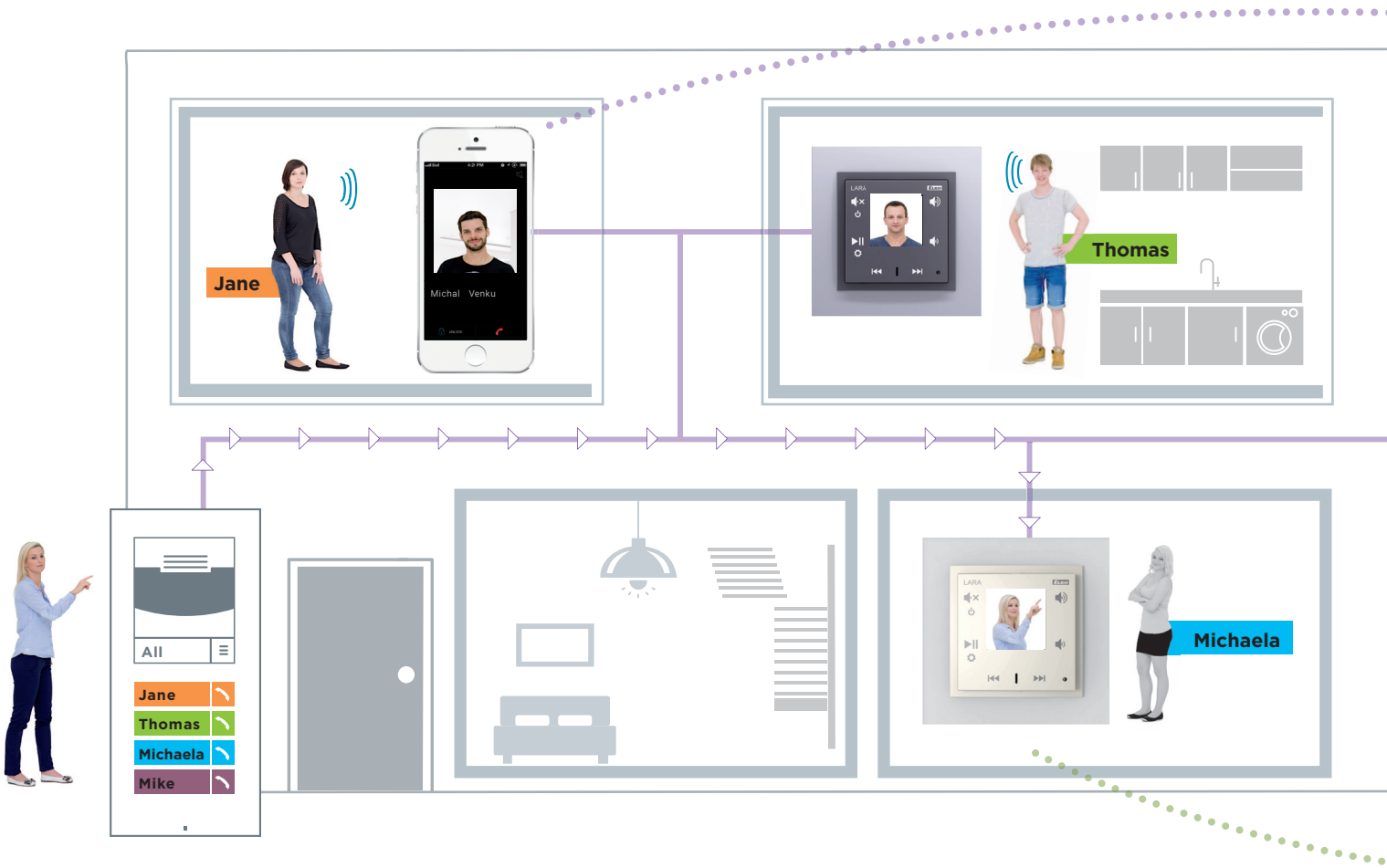
www.inels.com

LARA Radio

- LARA Radio is a music and internet radio player - the size of a circuit breaker, in the LOGUS^{90} design (metal, wood, metal ...).
- LARA is used for example in the kitchen, bathrooms, waiting rooms, offices, receptions, entrance halls, operating rooms or wellness areas.
- LARA can play a radio stream and can store as many as 40 in connection with the internet. However, these can be selected from thousands of stations around the world that provide the correct connection data.
- LARA Radio can play the content of an external music source, for example, such as an iPhone, a smart phone, or an MP3 player. These devices are plugged into a 3.5 mm stereo audio jack input that is located at the bottom of the front panel.
- LARA Radio also plays audio files from the central data repository in which the Logitech Media Server is installed. When using with NAS, LARA NAS App is available.
- Operation is done by touching the front panel or infrared remote (included with the product package).
- LARA Radio is equipped with a 1.5 "OLED colour display (basic music playback information, setup menu orientation, etc.).
- LARA Radio has an integrated 2x10W amplifier, making it very easy to install the device in areas where the power is sufficient.
- LARA Radio is powered by PoE with a maximum voltage level of 27 V DC / 1000 mA. The advantage is one cable (UTP) for power and communication.



Intercom & Videophone

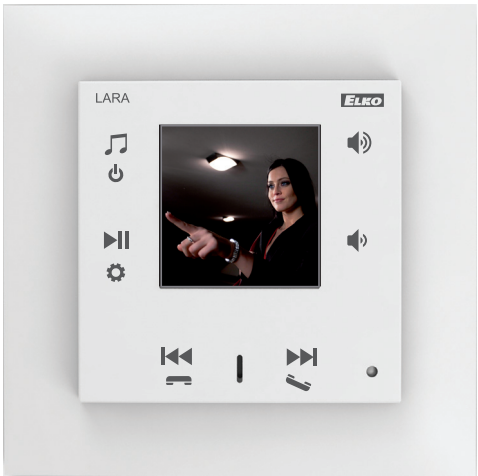


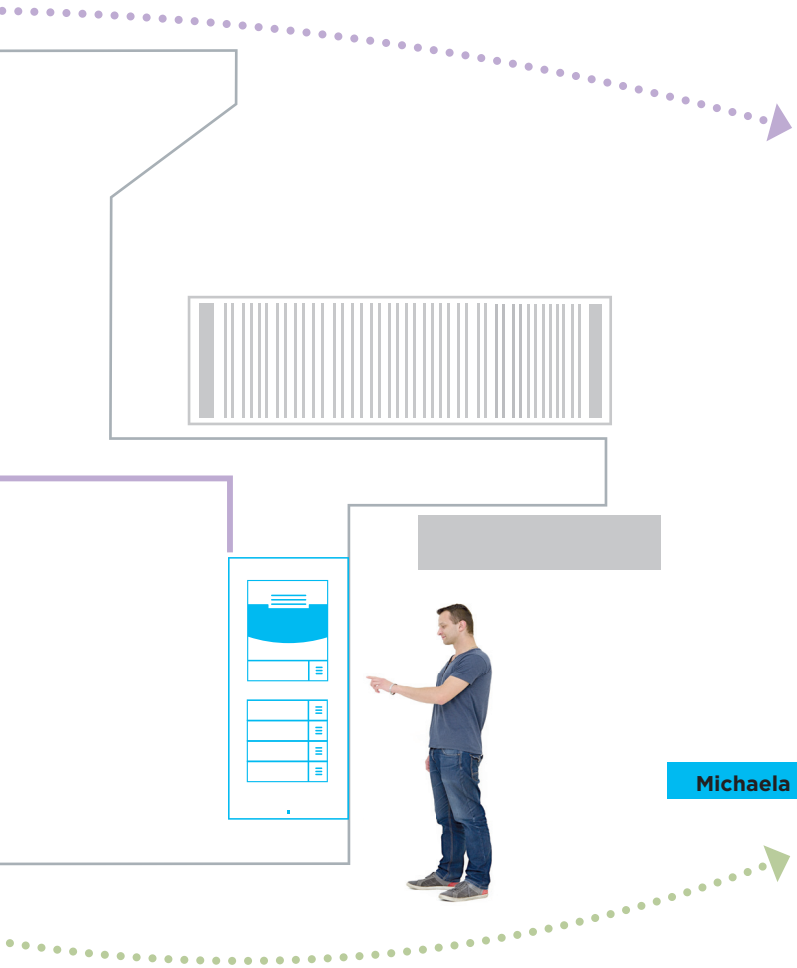
LARA allows you to communicate across the house (Intercom) as well as the door-to-door with the door phone (Videophone).

Up to 30 devices (LARA, phone, tablet ...) can be connected to the system. LARA can communicate with you outside of the house - all you need is an internet connection.

LARA Intercom

- Not only is LARA your radio and music player, but it is also an INTERCOM, VIDEOTELEPHONE and /or AUDIOZONE.
- LARA Intercom is suitable for installation in both residential and commercial buildings.
- INTERCOM allows bidirectional communication between people in the house, up to 8 LARA devices can communicate directly between them.
- In the case of a 2N IP installation (which has an integrated Asterisk disk), Intercom can be used not only between LARA devices but also among smartphones (with iHC-MA, iHC-MI installed).
- VIDEOTELEPHONE allows you to communicate with 2N and ALPHATECH TECHNOLOGIES (IP BOLD) IP from which LARA transmits picture and sound. If you are not at home, the call is automatically redirected to your smartphone.
- You can connect 6 LARA + 2 IP Phones (or combine them with up to 8 accounts in different ways). Once you have connected a "Connection server," you can use up to 30 LARA devices (combined with IP-speakers) in the installation, which is especially suitable for larger installations (buildings, apartment buildings).
- AUDIOZONE, which allows you to play your music in any area in the house.
- LARA Intercom also plays back audio files from the central data repository in which the Logitech Media Server is installed. This feature of LARA can be used within a comprehensive iNELS system or as a device completely independent of house automation. When used within iNELS, the control is part of a comprehensive iHC application. When using with NAS, LARA NAS App is available.





Even if you are not home, you can communicate with roommates or friends. You can also have the conversation redirected from the door intercom button.

Even if you are not home, you can connect with your visitor.

Installation

Flush mounting

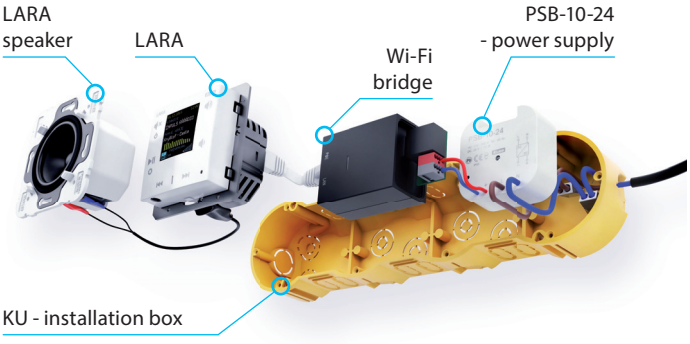
The LARA device can be installed in an installation box (along with switches), in a design from one to five frames. This installation is recommended in places where at least one installation box is installed or in a place with hollow walls.

Surface mounting

Surface mounting enables installing the LARA device in places where structural modifications are impossible or difficult to perform. The box is designed for one frame only with selection of installations of external speakers mounted on walls or ceiling.

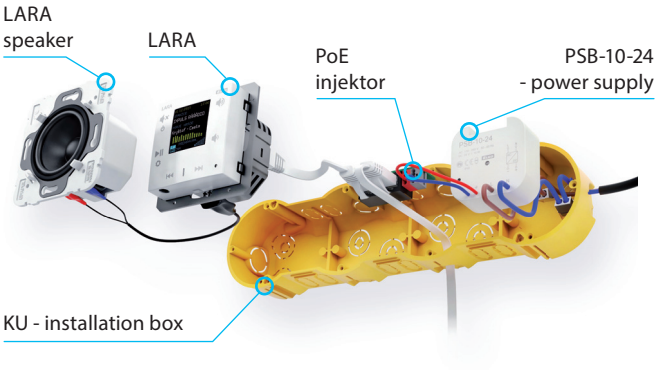
Power supply

Power supply PoE + Wi-Fi into a box



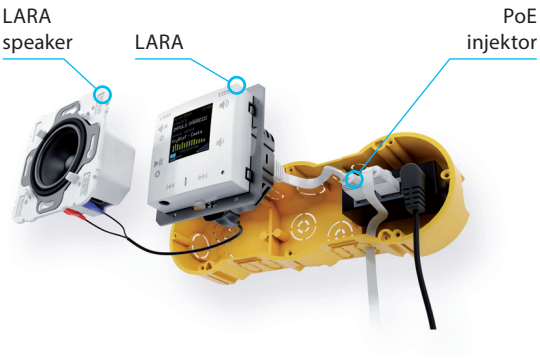
Wi-Fi bridge with PoE and power supply into an installation box.
Power supply 230V.
order number: 5224

Power supply PoE into a box



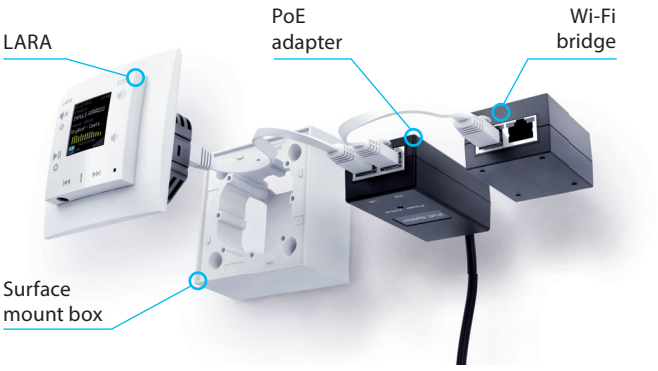
PoE injector with power supply intended for an installation box.
Power supply 230 V.
order number: 6605

PoE supply



Power injector with plug-in 230V adapter.
order number: 5225

Power supply PoE + Wi-Fi



Wi-Fi bridge with PoE plug in 230V adapter.
order number: 5227

Speakers

Flush mounted

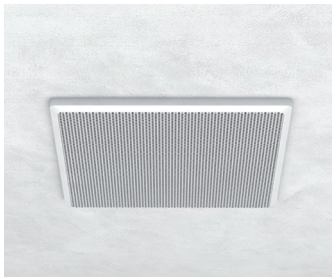
dimensions (mm):
Ø 52
power: 10 W
impedance: 32 Ω
more color available

On the wall

dimensions (H x W x D):
274 x 185 x 37 mm
power: 15 W
impedance: 8 Ω, 16 Ω, 32 Ω
color: white

Into a suspended ceiling

dimensions (mm):
Ø 180
power: 30 W
impedance: 8 Ω, 16 Ω, 32 Ω
color: white



dimensions (H x W x D):
220 x 220 x 93 mm
power: 60 W
impedance: 8 Ω, 16 Ω, 32 Ω
color: white

Door Speakers Compatible Door phone Videophones

Producer: 2N
Type: Verso

Accessories

AUX CABLE LARA (LARA CINCH CABLE) 5208

Used to connect LARA with exter. amplifier. Reduction 4pin from LARA LINE OUT to 2x CINCH plug into amplifi er, length 2x20 cm.

LARA PoE POWER ADAPTER 6191

PoE power for one LARA.

LARA SPEAKER CABLE 5209

Patch cable LARA - speaker.

WIFI BRIDGE 5210

Used for LARA wireless connection via WiFi network.

AUX CABLE LARA (LARA AUDIO CABLE) 6704

Used to connect LARA with external music source (smartphone, mp3 player). Length 20cm terminated with 2x stereo jack 3.5mm.

POWER SUPPLY (PSB-10-24) 4378

Switching stabilized power supplies with fixed output voltage, intended for mounting into an installation box (e.g. KU-68). PSB-10-24 - stabilized power supply 24V/10 W.

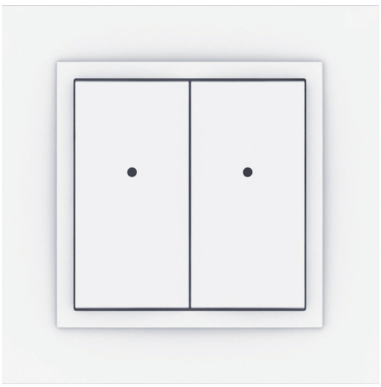
PoE SWITCH 6605

Provides LAN connectivity and PoE power supply for up to 5 x LARA. Power supply AC 230 V.

NAS EXTERNAL STORAGE 7212

Two-chamber NAS server with the function of hosting, sharing and data security.

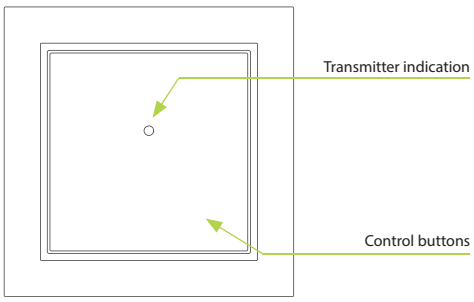
RFWB-20/G, RFWB-40/G | Wireless wall controller



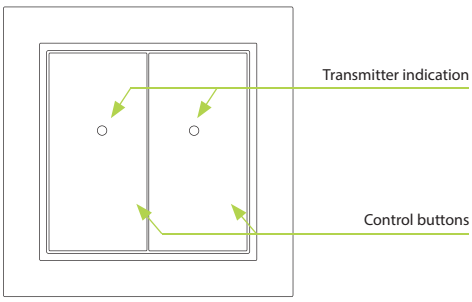
- The wireless controller is used to control switches and dimmers (lights, gate, garage door, blinds, etc.).
- **RFWB-20/G:** two buttons enable control of two units independently.
- **RFWB-40/G:** four buttons enable control of four units independently.
- The flat design with level base makes it ideal for fast installation on any surface (fixation with adhesive or screws in the installation box).
- When pressing the button, it sends a set signal (ON/OFF, dimming, time switching OFF / ON, blinds up/down).
- Sending a command is indicated by a red LED.
- In LOGUS^{90} switch frame design (plastic, glass, wood, metal, stone).
- Option of setting light scenes, where with a single press, you can control units of iNELS RF Control.
- Battery power supply (3 V / CR2032 - included in the supply) with battery life of around 5 years based on frequency of use.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO^2 that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control.

Device description

RFWB-20/G

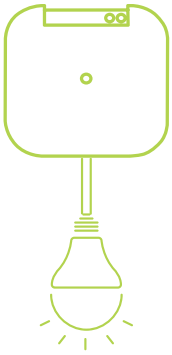


RFWB-40/G



Examples of placement

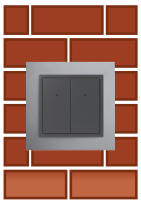
RFSA-61B
RFSC-61



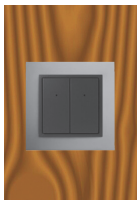
LOGUS^{90}

We bring you switches, sockets and accessories in standard, plastic or metallic design, but you will be impressed most by enchanting luxury design of purely natural frames: real wood, metal, granite and tempered glass - crystal

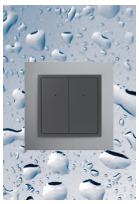
On wall

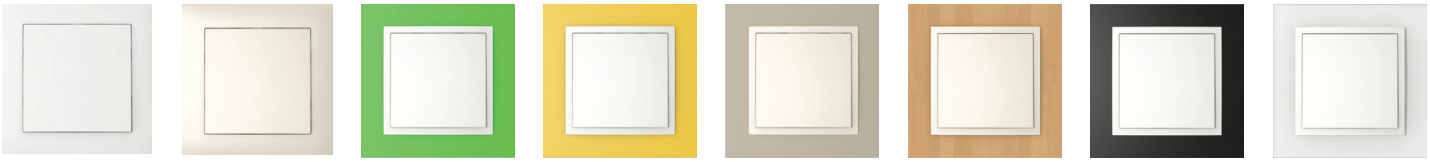


On wood



On glass





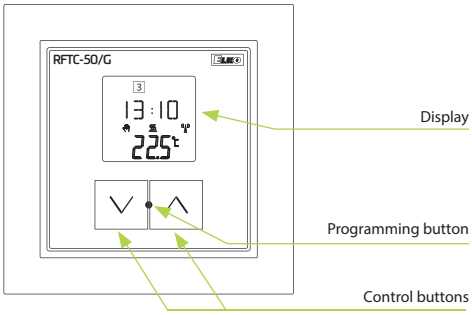
Plastic | Metallic plastic | Color plastic | Color plastic | Metal | Wood | Stone | Crystal

RFTC-50/G | Wireless temperature controller

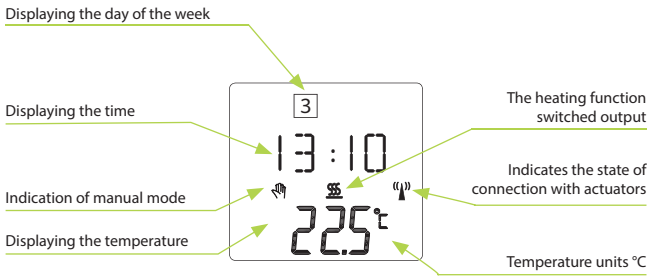
Flat design - the depth of the device is only 20 mm!

- The wireless controller in design LOGUS^{90} measures the room temperature by internal sensor, and based on the set temperature, it sends a command for heating / cooling.
- Option of setting a daily/weekly automatic control program.
- The temperature controller can be used in one of two ways:
  - For controlling an additional heat source (heater, oil radiator, radiant panel) with multi-function switchingunits RFSA-6x, RFUS-61 or RFSC-61.
  - For control of floor heating, when the internal sensor scans the room temperature, and based on the value, controls the heating unit RFSTI-11B, which monitors the critical floor value by external sensor.
- Manual control by buttons on the unit.
- Range of measured temperature 0-55 °C.
- The backlit LCD display displays the current and set temperature, status (ON/OFF), battery status, day of the week, current time, etc.
- Battery power (1.5 V / 2x AAA - included in supply) with battery life of around 1 year based on frequency of use.
- The flat rear side of the device enables its placement anywhere in the room where you wish to measure temperature.
- Range up to 100 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO^{2} that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control.
- Color combination of temperature unit in design of frames LOGUS^{90} (plastic, glass, wood, metal, stone).

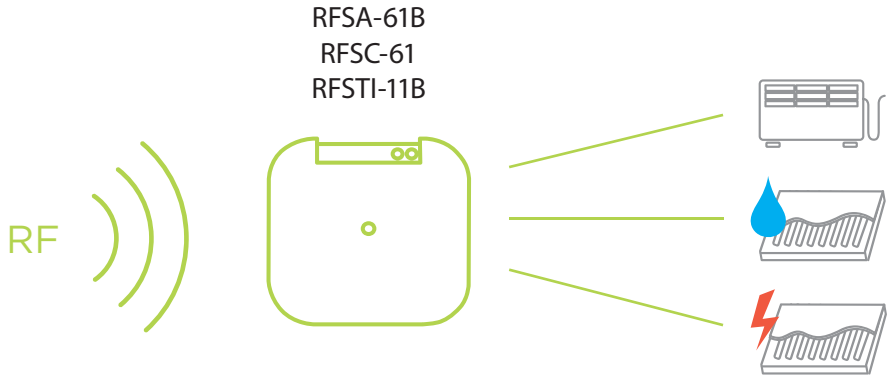
Device description

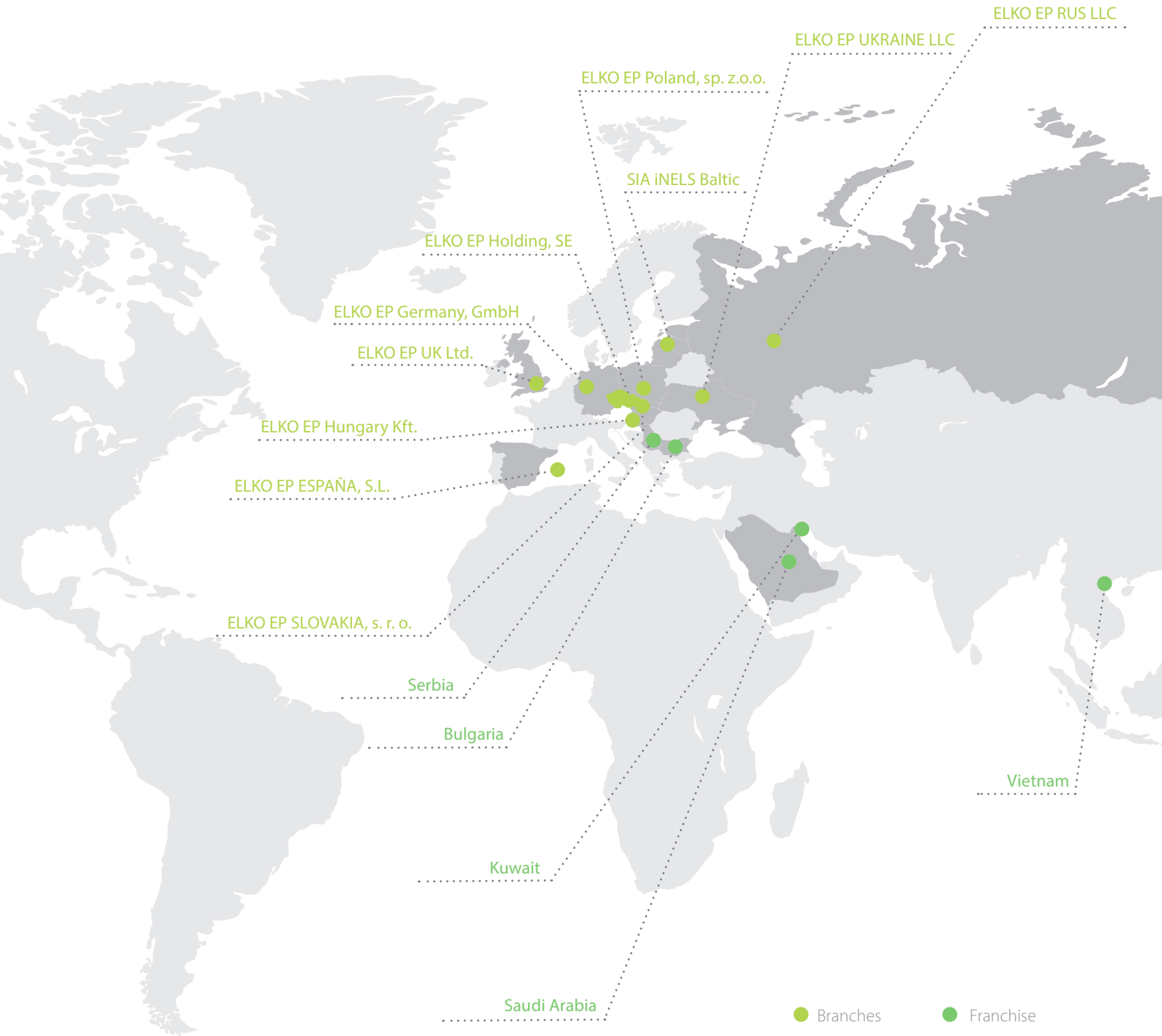


Display description



Example of connection





ELKO EP, s.r.o. | Palackeho 493 | 769 01 Holesov, Vsetuly | Czech Republic
phone: +420 573 514 221 | fax: +420 573 514 227 | elko@elkoep.com | www.elkoep.com

Published: 02/2021 | Modifications or amendments reserved | © Copyright ELKO EP, s.r.o. | 1st edition