



ARTEOR™ —Wiring Devices/Home Automation Systems

ARTICULO



General Introduction

ARTEOR™ — versatility and a global
vision for any
installation level



Arteor™ is the innovative answer
to the increasingly complex
requirements in the building
business all over the world. Arteor™
excels by its unique aesthetics and a
rich choice of innovative designs and
ergonomical options.





The range reaches from wiring devices, through innovative radio automation solutions, up to fully networked home automation systems based on BUS technology, which can also be integrated into third party solutions.

_ARTEOR™: the ideal solution, always and everywhere

Its versatility makes Arteor™ the ideal choice for every kind of project, anywhere in the world at any installation level. Arteor™ suits any requirement in terms of design and function for every kind of building, from residential to commercial.

Multi-Dwelling Units



Villas



Offices



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Hotels



_ARTEOR™: truly international

Euro/US, Italy, French
and German standard



British Standard



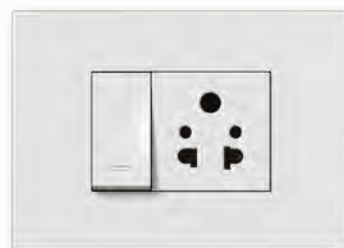
Korea



Euro/US/China

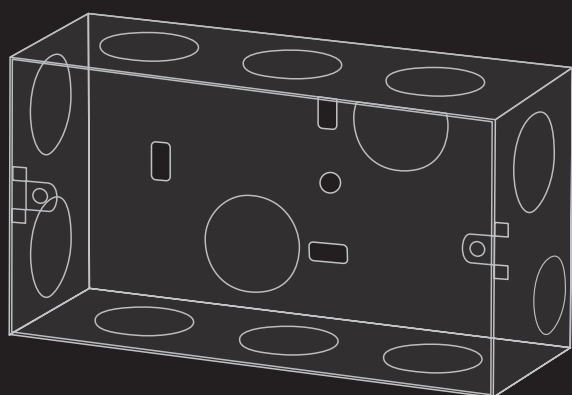


India

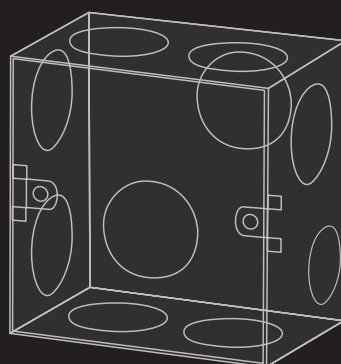


Arteor™ has been developed as an authentic international concept. This international approach enables it to fulfil local market requirements with specific solutions, designed to match local installation habits.

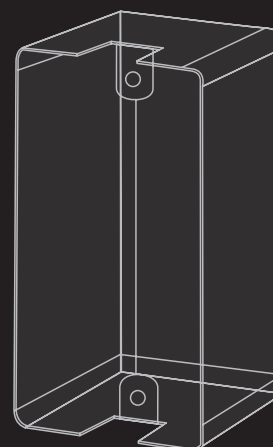
Arteor™ is compatible with any kind of wall box. Some examples:



Italian type



British type



US type

10

11

South Africa



Australia



The range provides all major standards and types of sockets: British, US, Italian, German, French, Korean, Indian, Chinese, Australian, South African...





Design

_Design for a global lifestyle

The timeless design of Arteor™ features clearly hi-tech characteristics understandable anywhere in the world. Minimalist and sober, its carefully crafted design is inspired by the most modern technological devices, such as flat screens and digital photo frames, creating the impression that the product is floating on the wall.



_Design options for control functions



Arteor™ offers a wide choice of ergonomics and finishes to satisfy the most demanding customers. All stand-alone control functions are available in two shapes of rockers – round or square – and in two colours – white or magnesium.



14

15



A rich choice of finishes

NEUTRAL

Classical tones for perfect harmony with modern environments, whether residential or commercial.

White



Graphite



Pearl Alu



TATTOO



16

17



Edition 1

The modernist collection with a cultural touch. Timeless yet trendy, it adds an individual note to living environments.

A rich choice of finishes

MIRROR

Mirror Red



Mirror Taupe



Mirror White



Mirror Black



A selection of brilliant mirror finishes combined with metal to enhance the technological character of the range.



GRAPHIC



Formal



18

19

Casual



A minimalist style that reinvents the classical 70s, retro with a touch of timeless sophistication.

FOR NIGHT DEPOSITS

A rich choice of finishes

BRUSHED METAL

Authentic metal in cold and warm tones.
This collection suits modern interiors
as well as classic-style environments.

Gold Brass



Stainless Steel



WOOD



Light Oak



20
21

Wenge Style



Nature meets technology in a perfect combination of natural wood and metal details.

A rich choice of finishes

LEATHER



Galuchat



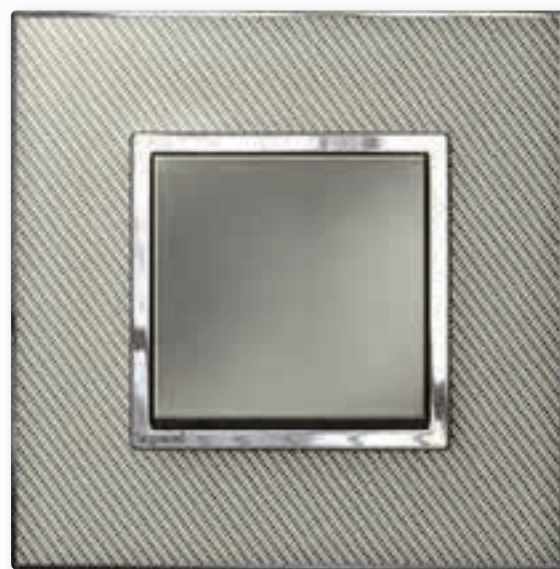
Club



A luxury finish made of high-quality authentic leather, designed for sophisticated environments. Arteor™ comes in two noble and exclusive materials : sheep leather and Galuchat, a fish leather known for centuries to adorn precious bags and fancy trinkets.

SIGNATURE

Woven metal, a hi-tech material which requires special processing skills. An extraordinary choice for the most demanding customers.



22

23



Woven Metal

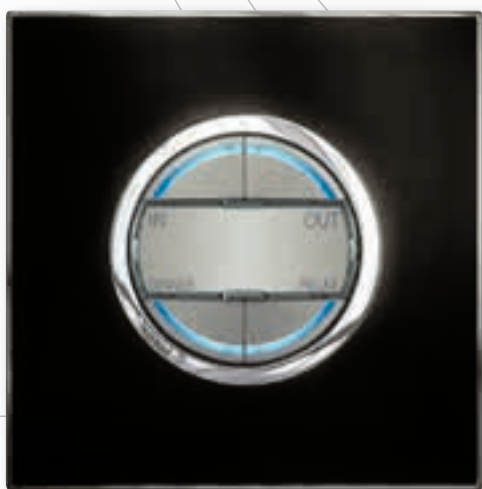
_Design options for home automation

While similar in design to the stand-alone devices the home automation control functions provide even more technological features.

Micropush control White



Micropush control Magnesium



All home automation control functions of the Arteor™ line are available in 2 versions: round micropush version or advanced touch controls.



Touch plate dimmer Black

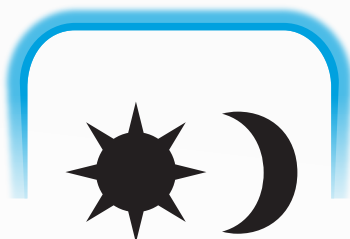


Touch plate dimmer White



Graphic user interfaces

The Arteor™ range offers a wide choice of graphic user interfaces speaking the same "icon language" as modern electronic consumer devices. These clearly designed icons allow the user to browse the different functions of the Home Automation system in an intuitive way.



3.5" Touch Screen





1.2" Touch Screen



26
27



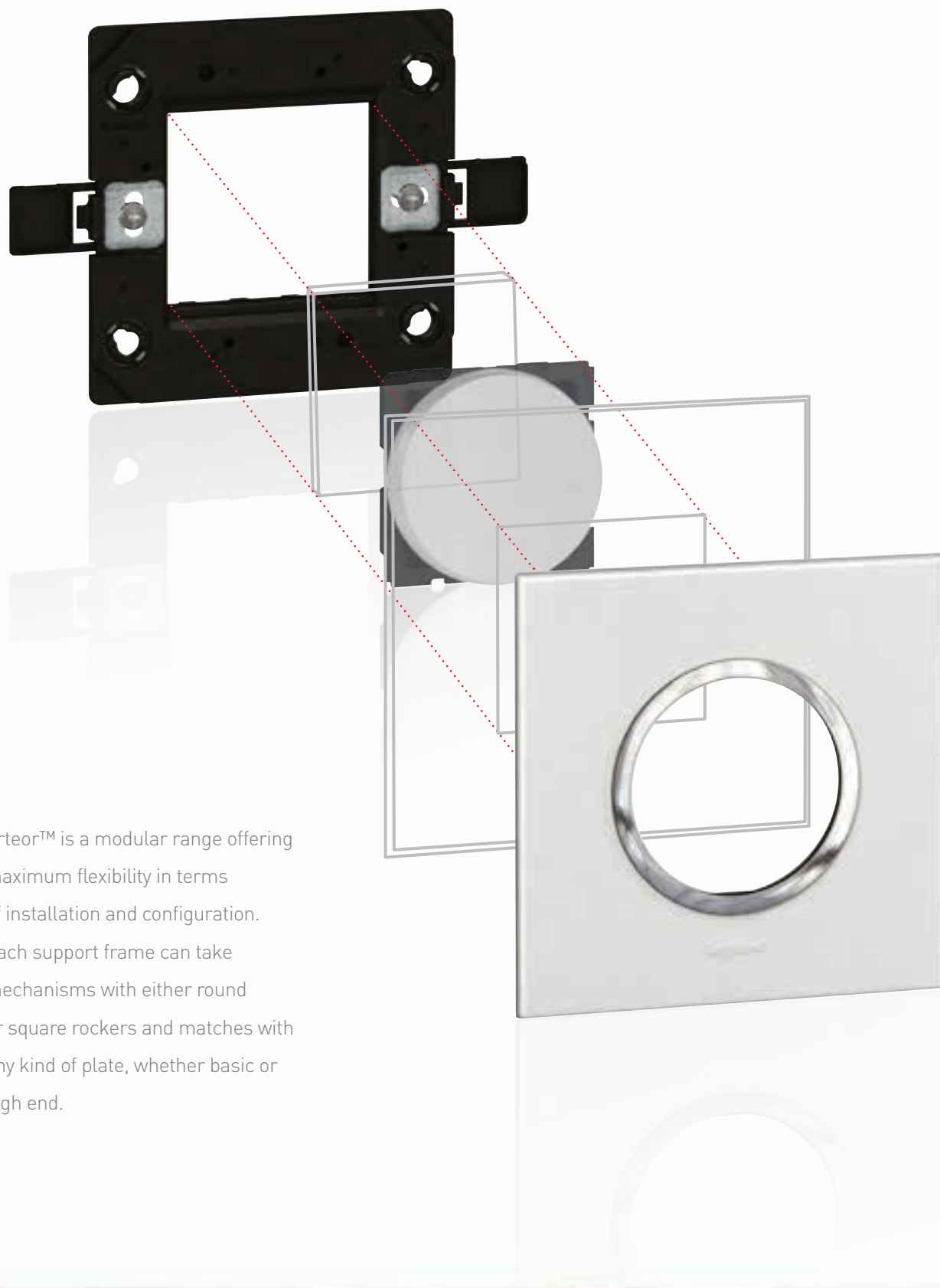
10" Multimedia Touch Screen





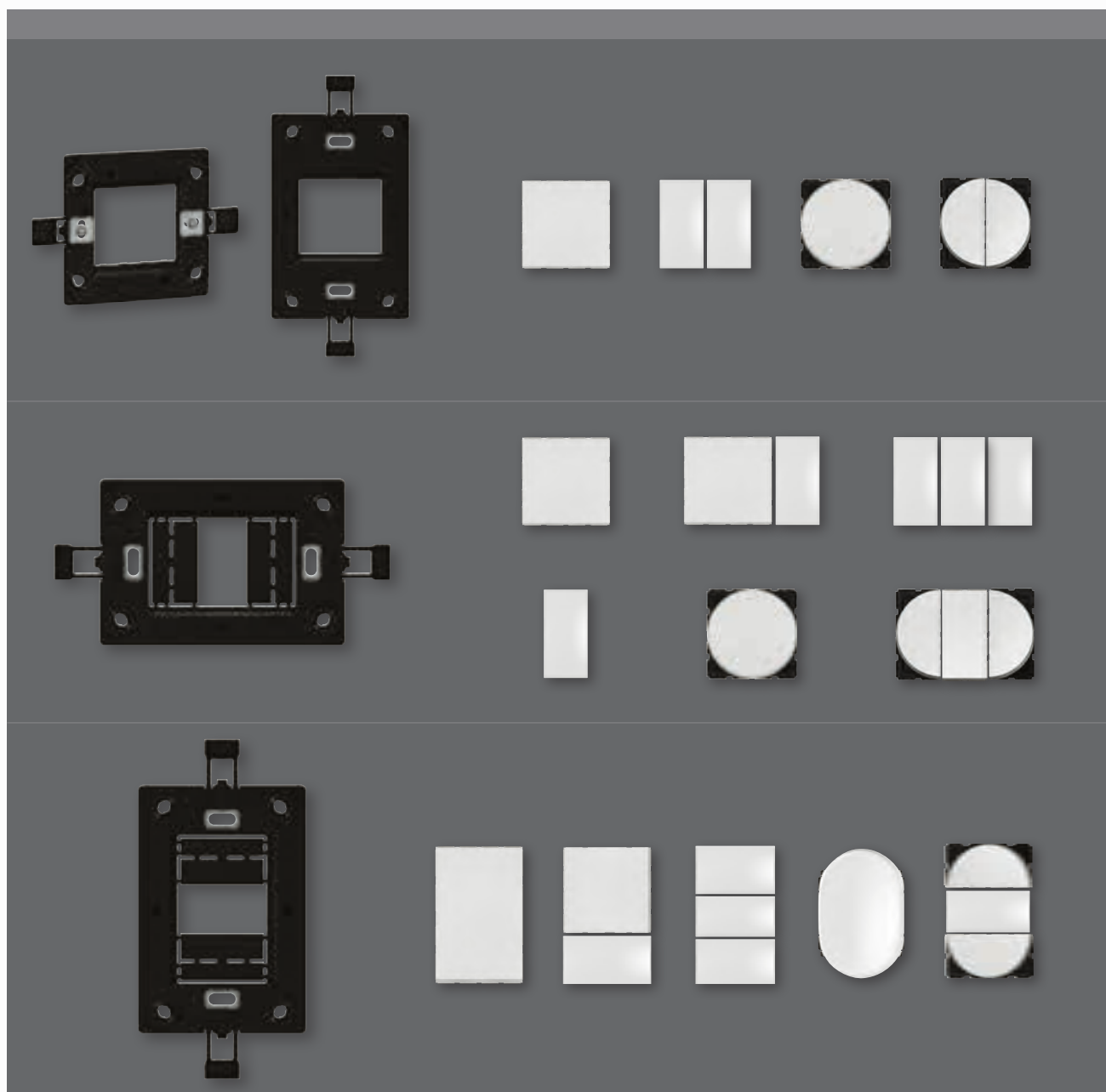
Installation features

_Versatility and modularity for unrivalled flexibility



Arteor™ is a modular range offering maximum flexibility in terms of installation and configuration. Each support frame can take mechanisms with either round or square rockers and matches with any kind of plate, whether basic or high end.

The modular concept allows any kind of individual customized configuration even in tight spaces, whatever the standard.



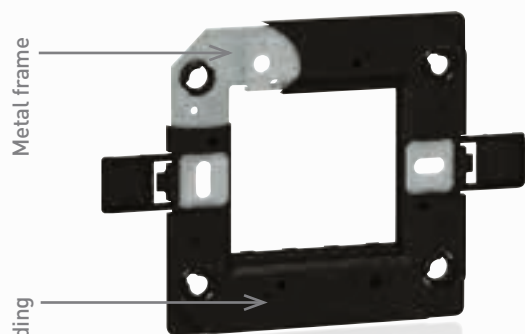
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Arteor™ mechanisms are fully compatible with Legrand floor boxes, columns and trunking system.

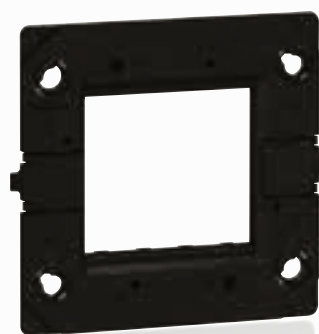
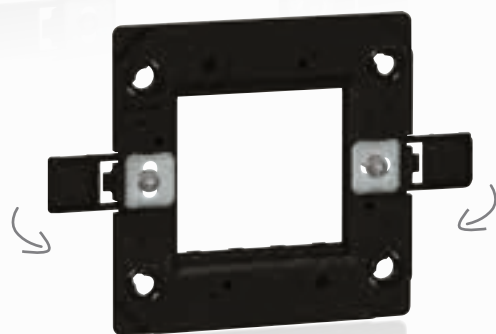
_Installation **safety** first



Metal frame

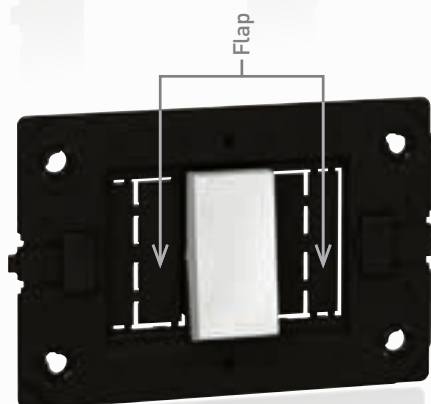
Plastic overmoulding

The innovative bi-material support frame provides IP 20 electrical safety. It combines the sturdiness of a metal frame with the insulating qualities of plastic overmoulding.



Screw caps can be closed once the support frame is installed, ensuring total insulation.

Specific to US/Italian standard support frames: flaps ensure safety when only one or two modules are installed on a 3-module support frame. Flaps avoid any contact with the wires (e.g. in case of disinstallation) and can be broken out according to individual needs.



Flap



Safety at every step of the installation process

Support frames and plates are each supplied with special protective shells. This ensures protection of the product against dust and paint. Full protection - whether only support frame and mechanism are installed...



32

33

... or whether the complete product is mounted before completion of site work.

Protective shells should be removed only once site work is fully completed.

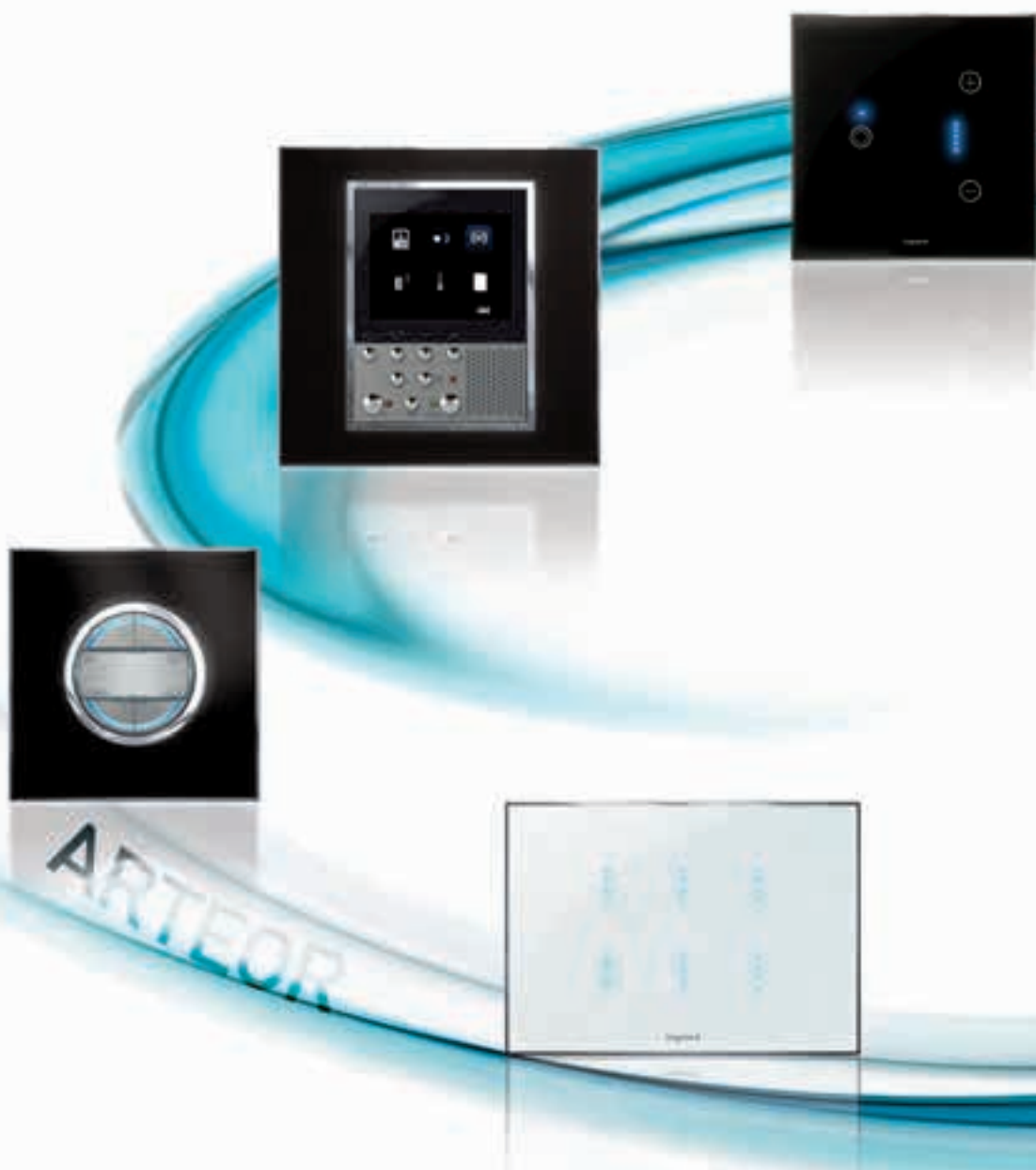


ARTEOR



Home Automation

_Home Automation general features



MY HOME
legrand

The answer for all Home Automation requirements,
from a single function to global integrated solutions.
My Home Legrand supports 2 technologies :
Radio using ZigBee® protocol and BUS using SCS protocol.



36

37

This comprehensive and versatile Home Automation solution, which is integrated to the Arteor™ line will satisfy your most demanding customers' needs

_One solution, two technologies, endless possibilities

Comfort and entertainment

Sound distribution



Communication

Door entry systems



Safety

Intruder alarm



Comfort and energy saving

Temperature management



Arteor™ offers one unique system
with solutions for any application.

Remote management

Webserver



Centralization, integration, communication and multimedia

10" Multimedia Touch Screen



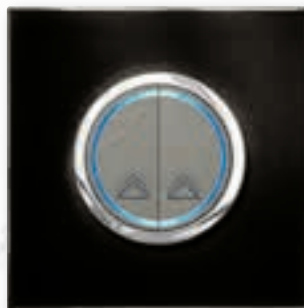
Comfort

Shutter control



Comfort

Lighting management



38

39

The system works through two different media:

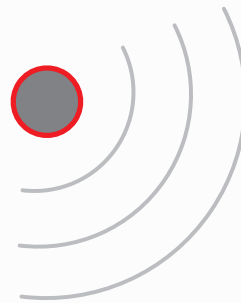
- radio using ZigBee® protocol
- BUS using SCS protocol

Products have been developed to ensure perfect interoperability and maximum reliability.

Arteor™ home automation installations offer a high level of flexibility.

_Radio offer

the easy way to home automation

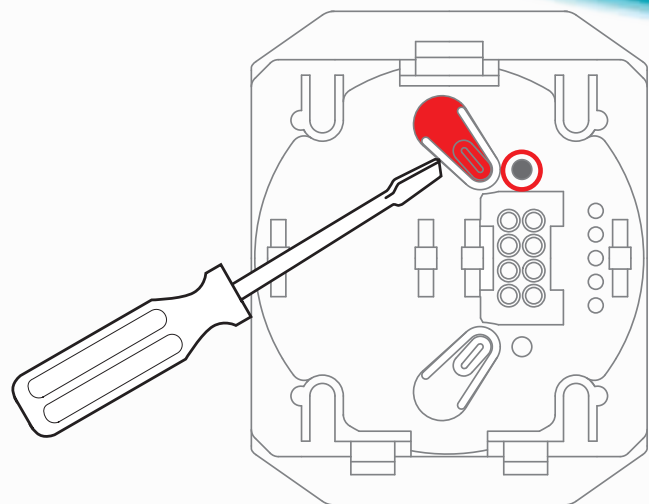


“Plug & Play” - no special wiring

The radio solutions based on the ZigBee®* protocol use the existing electrical infrastructure and require no special wiring.

“Push & Learn” configuration

The products can be easily configured on the device itself thanks to the “push and learn principle”. No specific software needed.



* ZigBee® Certified Product - Manufacturer Specific Profile

When to use it

It is the ideal choice:

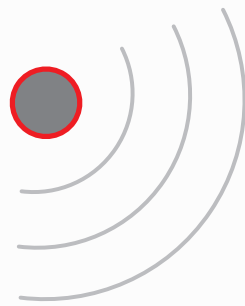
- to upgrade your conventional electrical installation
- to a home automation system
- when an extension is needed on an existing home automation system
- (e.g. you just want to add a control point to an existing installation)
- if it is not possible to make changes on the electrical installation and no recabling is allowed (e.g. renovation)
- for less complex new installations.



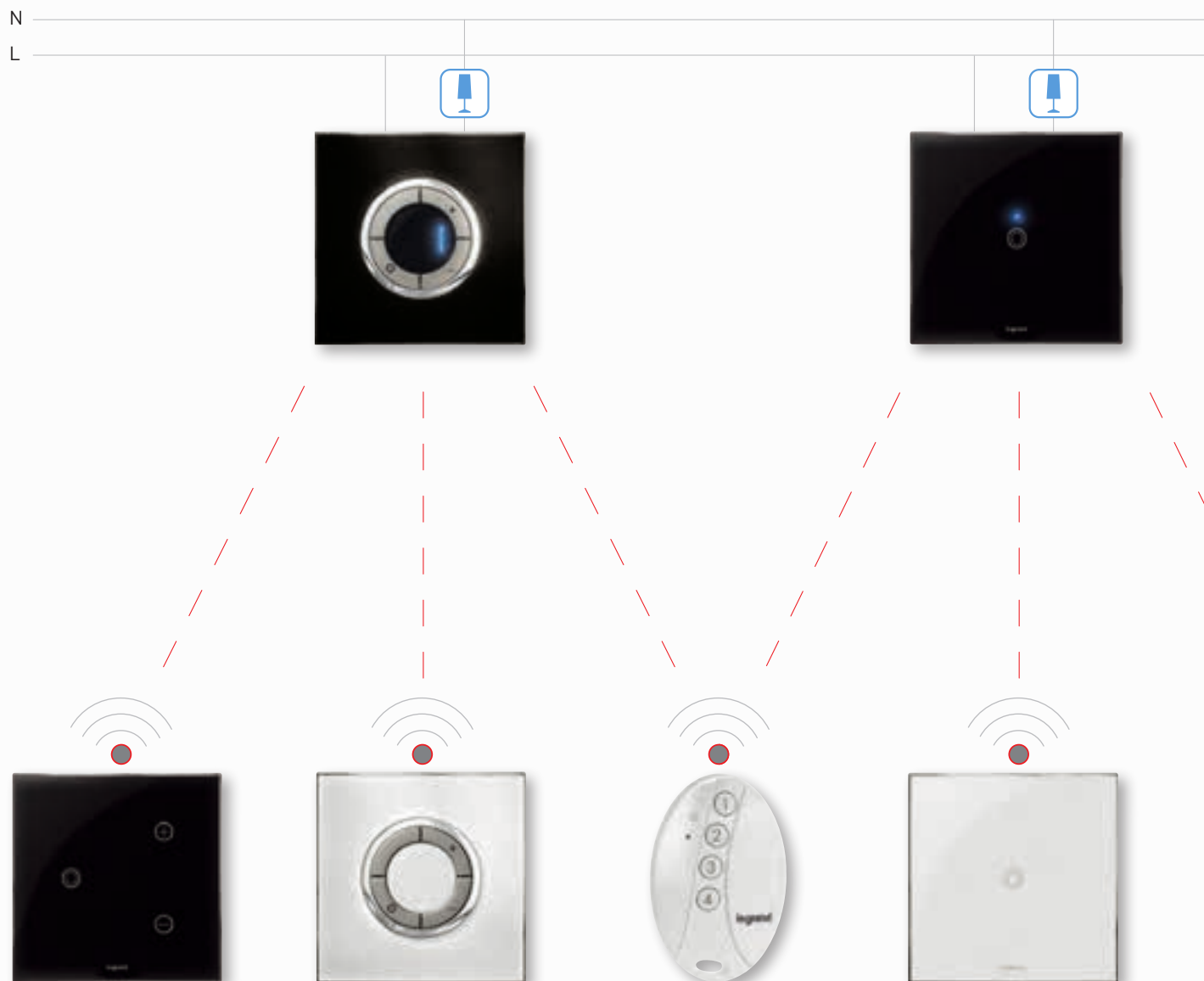
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_Radio offer



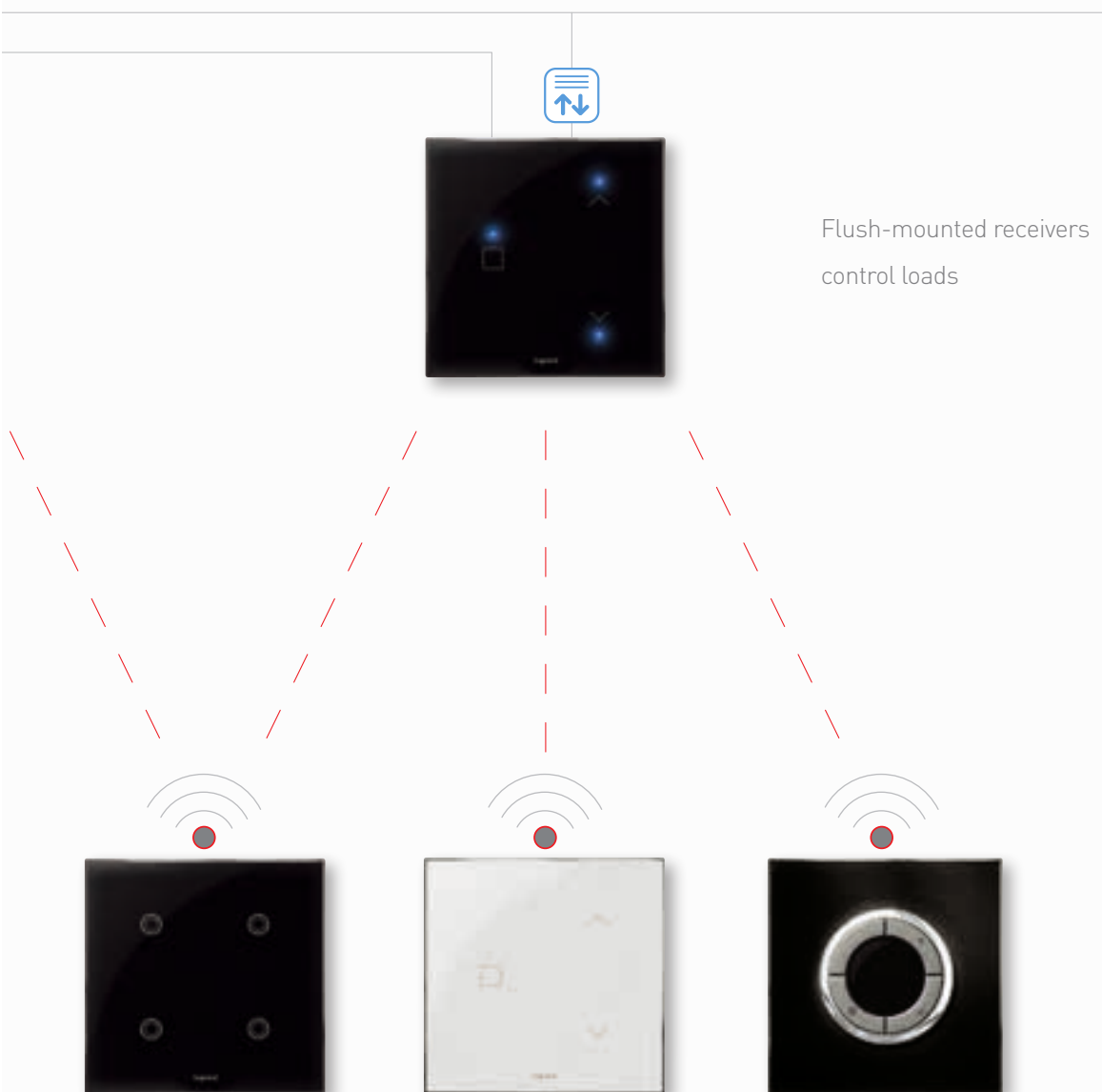
_Principle of Radio automation



Remote management of receivers is ensured by battery-powered surface-mounted transmitters.

Radio devices can fall into two categories:

- Actuators (transceivers) which are connected to the load and to the mains supply
- Controls (transmitters) powered by battery



Flush-mounted receivers
control loads

42

43

The ZigBee® Protocol

Recognized worldwide

The ZigBee® protocol has been developed by an alliance of many international players.

This new radio transmission protocol is based on the IEEE 802.15.4 wireless personal area network standard. It works on the 2.4GHz frequency which can be used throughout the world. This means Arteor™ home automation solutions can be installed anywhere in the world. ZigBee® based radio solutions* are even suitable for complex installations, they ensure high performance and excellent reliability.



4-scenario touch plate

* ZigBee® Certified Product - Manufacturer Specific Profile

_Radio Offer: functions

Arteor™ radio solutions include lights, shutters, scenarios and technical alarms management.

Shutter switch



Pocket remote control



44

45

_Bus offer

When to use it

Ideal for new installations, the BUS system integrates different applications – such as comfort, safety, energy saving functions, door entry systems, management of multimedia contents, remote supervision and control – offering fully networked solutions.



2-wire BUS technology

Legrand BUS offer is based on 2-wire BUS working on the private SCS protocol.



Radio extension

The BUS system can be extended with Arteor™ radio solutions through the SCS/ZigBee® gateway

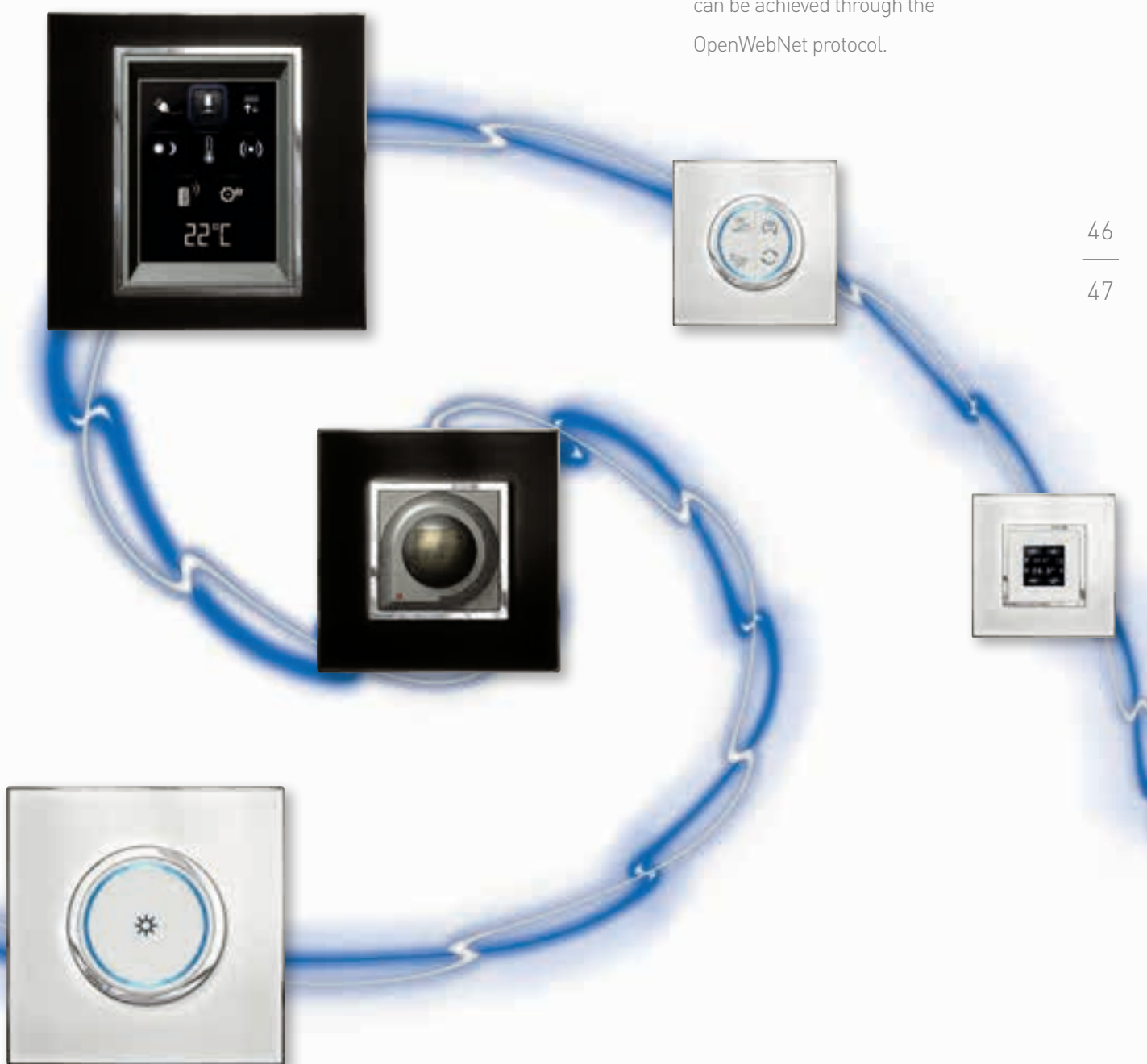


Open to third party solutions

- The BUS system guarantees integration with DALI and KNX through dedicated gateways.
- Interoperability with third party home automation systems can be achieved through the OpenWebNet protocol.

46

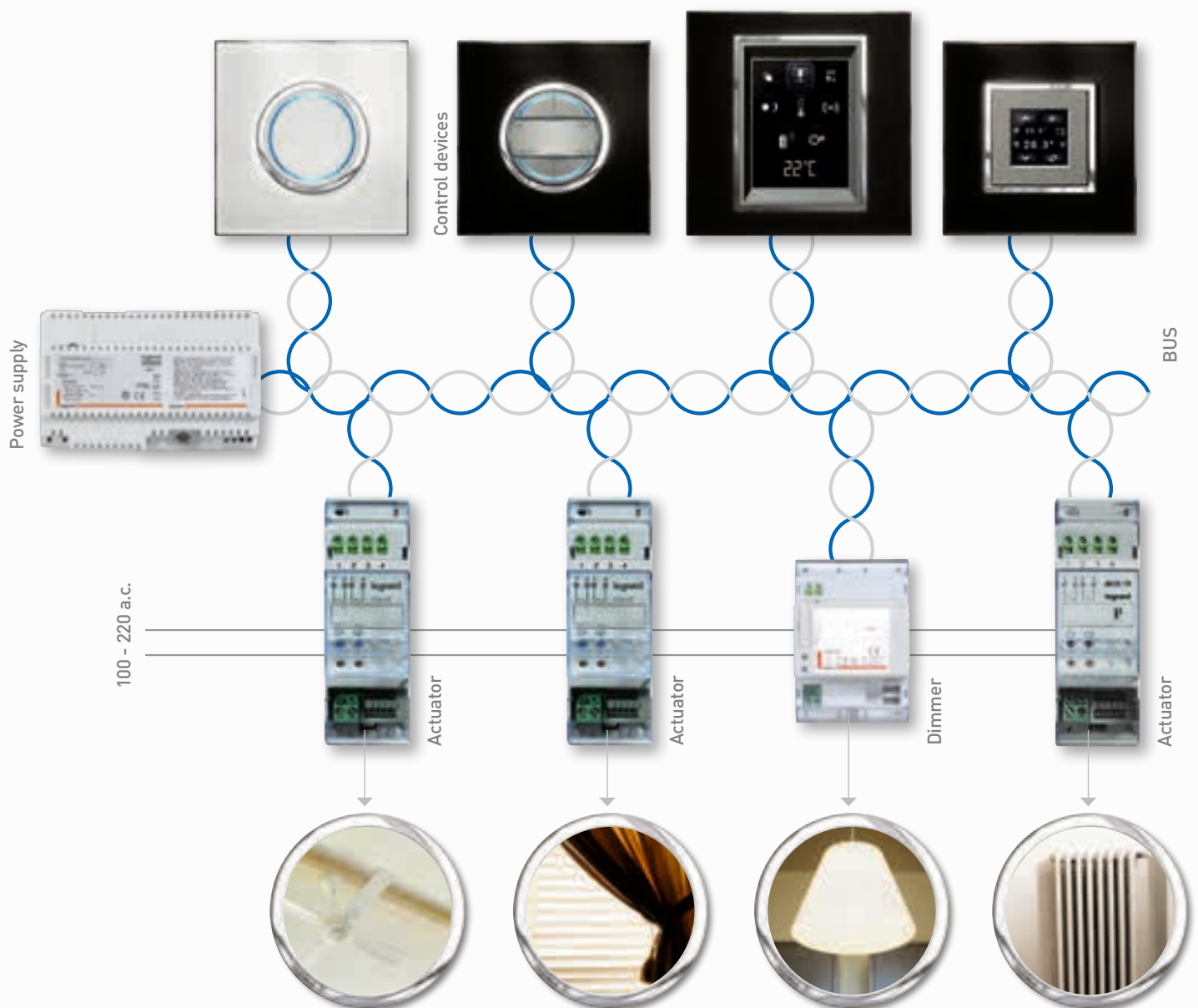
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_2-wire BUS offer: SCS

All devices are connected in parallel to the BUS, which is a cable with twisted pairs.

The functions associated to each product depend on the given configuration.

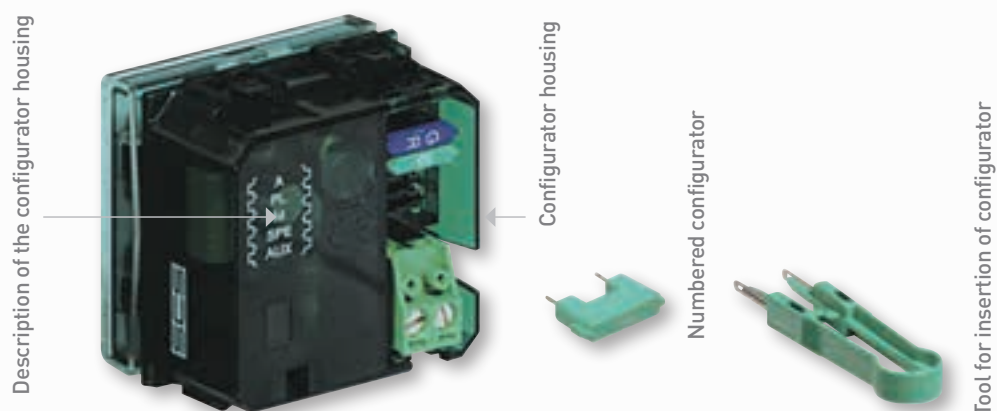


_Configuration



Easy configuration

The product can be configured using physical configurators on the product itself or through virtual configuration via computer.



48

49

_Centralized architecture

The system consists of actuators and control devices.

Actuators which control the loads are connected to the BUS and to the power line. They are DIN module

devices centralized on the electrical panel board.

Control devices transmit information to actuators through the BUS line.

They are installed in every room.





Innovation in functions

A new generation of dimmers



Leading/trailing edge Dimmer 600W

Available in stand-alone or radio version

Arteor™ features complete solutions for modern lighting management, from entry level for a single load to top dimmers for demanding

applications. Innovative solutions are available in stand-alone version, BUS and radio technology.



Universal Dimmer 300W

Suitable for all kinds of loads including compact fluorescent lamps and LEDs. Available in stand-alone or radio version



Leading/trailing edge Dimmer 2x400 W
DIN rail mounting, BUS version

**Universal Dimmer 300W
with touch plate**

Suitable for all kinds of loads including compact fluorescent lamps and LEDs. Available in radio version



Dimmer for ballasts 0-10V

Available in stand-alone or radio version. Also in BUS version for DIN rail mounting



Leading/trailing edge Dimmer 2x400 W

Stand-alone version

52

53

Arteor™ offers:

- A new generation of dimmers for traditional loads: incandescent, halogen, transformers
- An innovative range of dimmers for new loads such as LEDs and compact fluorescent lamps
- Multioutput dimmers

Stand-alone solutions for modern living:

Comfort

Micropush switch



Electronic micropush switch

Sensitive switch



Allows to control light sources by simply passing the hand in front of it

Universal Dimmer



Suitable for all kinds of loads including compact fluorescent lamps and LEDs

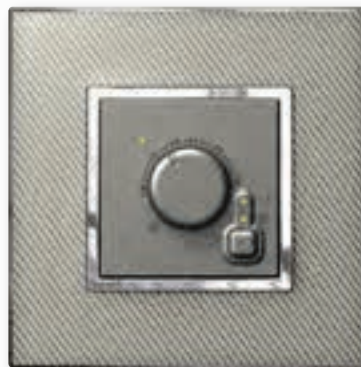
Energy saving

Automatic switch



For automatic lighting control

Electronic room thermostat



For active temperature management

_Safety

Gas detector



Indicates presence of gas via LED and audible alarm

Skirting light with detector



Detects a passing person and lights obstacles automatically



Time delay switch



For timer control of a circuit

Arteor™ innovative solutions for modern living enhance comfort, help save energy and ensure greater safety. Motion sensitive and automatic switches, dimmers for modern, low consumption light sources

such as compact fluorescent lamps and LEDs, electronic room thermostats, technical alarms – the range offers a great variety of functions that meet all the requirements of modern installations.

54

55

_Focus on stand-alone office solutions:
_lighting control

Skirting light with detector



Automatic switch



Lighting environment controller



_access control

Coded keypad reader



Fingerprint reader



From specific products for adaptable or automatic control of lighting via solutions for access control right through to a wide variety of data, audio and video sockets: Arteor™ contributes to make office buildings operate in a way that is functionally optimal and energy efficient at once.

_access to data

RJ45



USB



Wi-Fi access point



HDMI



Female HD15 + Jack 3.5 mm



YUV



Reliable access to data or the internet and flexible use of modern audio and video devices - Arteor™ adapts to all digital developments and provides perfect connections, whatever the requirement.

56

57

_Hotel solutions

_at the door



External unit



Keycard switch



Internal unit



_near the bed



4-scenario touch control



Desk and entrance light



Bed light and curtain switch

_work & leisure area



Data, audio and video sockets



S-Video socket



58

59

From the entrance of the hotel room to the bedside table – Arteor™ solutions for the specific needs of the current hotel industry are designed to enhance customer comfort. And to perfectly meet their requirements for easy connection of various multimedia devices (MP3 players, digital cameras, USB drives, etc.) and flexible access to the internet.



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