



# BUS/KNX SOLUTIONS

ACTIVE CONTROL OF LIGHTING,  
SHUTTERS, TEMPERATURE AND  
SOCKET OUTLETS

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THE GLOBAL SPECIALIST  
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES





# NEW GENERATION LIGHTING MANAGEMENT

A global specialist in electrical infrastructures in buildings and a major force in new generation buildings, Legrand is developing its system to provide complete control of a building: BUS/KNX solutions.

**THE NEW  
LEGRAND  
BUS/KNX RANGE  
MEETS THE  
SPECIFIC  
NEEDS OF  
COMMERCIAL  
SECTOR  
BUILDINGS**

**Optimised energy consumption**

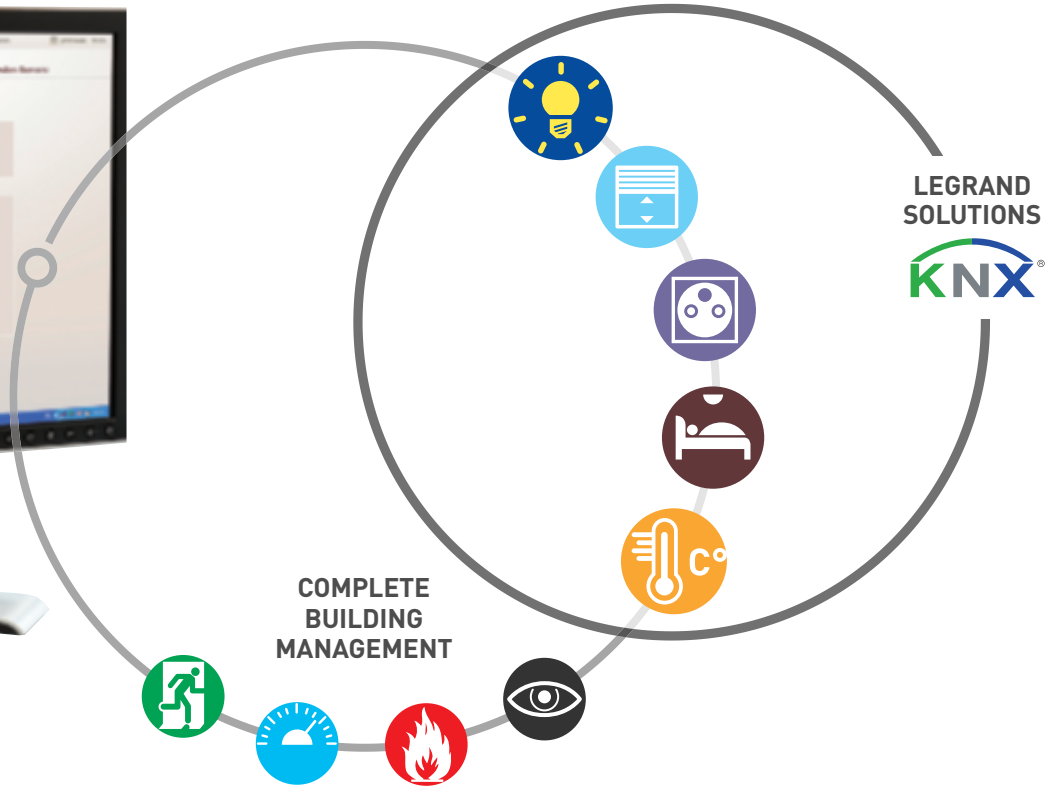
Designed ideally for low consumption accredited constructions, KNX solutions provide optimum management of lighting, shutters, socket outlets and ventilation: combined with energy management and supervision solutions, these "Smart Grid Ready" solutions allow you to optimise operating procedures in your installation according to your consumption. Legrand therefore contributes to reducing a building's overall operating costs and meeting the requirements of LEED and BREEAM buildings, etc. so that you can provide a perfect response to your customers' energy performance requirements.

**Increased comfort**

Legrand BUS/KNX solutions have the ability to manage all types of light source (LEDs, DALI, 1-10 V ballasts, etc.) in response to different situations (daylight, presence/absence, dimming, scenarios) making the user's daily life easier by adapting to their needs and living/working habits.

**Even greater flexibility**

With simple programming, Legrand BUS/KNX solutions make it possible to reconfigure the installation in a building really easily: no need for additional wiring!



A worldwide protocol in building management systems, KNX is an open, interoperable standard providing any user with great freedom of use and long-life installations. Recognised by ISO/IEC 14543-3-x as the international standard for home and building control, KNX meets the requirements of two European standards, CENELEC EN50090 and CEN EN 13321-1.

**COMPLETE BUILDING MANAGEMENT**

Beyond providing optimum control of lighting and shutters, the KNX protocol is interoperable with all applications installed in commercial sector building (heating and ventilation, fire alarms, emergency lighting, etc.), whoever supplies them. It can therefore be integrated into an active general building management system, making it possible to display consumption or to be alerted when a fault occurs!

# COMPLETE HIGH-PERFORMANCE SOLUTIONS

The new Legrand BUS/KNX offer, with its complete high-performance solutions, meets the specific needs of a commercial sector building, so you can ensure that your customers have an optimised, flexible and open installation.





06

## OPTIMISED CONTROL

A core business for Legrand, control is enhanced with multiple possibilities: lighting comfort, environment scenarios, combinations of several functions, etc. Discover the Legrand BUS/KNX offer, combining performance, aesthetics and comfort for a complete, optimised response to your customers' needs.

12

## SIMPLIFIED INSTALLATION

Installed in a suspended ceiling or cabinet, controllers are easy to wire and can control all types of load.

16

## FLEXIBLE, RELIABLE, AND CONSISTENT CONFIGURATION

Having access to ETS4, the only tool that connects all KNX devices to a strong, well known and shared configuration method, ensures a good operating system. Legrand also offers the option of using its special configuration tool to quickly manage operating settings; it combines ease of use with reliable settings.

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## SUPERVISION SOFTWARE

With the Legrand lighting management solution, you can supervise your installation with just a few clicks!

# OPTIMISED CONTROL

An essential solution for special or occasional applications, the Legrand BUS/KNX control unit manages lighting (ON/OFF, dimming, scenes, forcing), roller shutters (raise/lower/stop), awnings, and other client devices. A core business for Legrand, control is enhanced with multiple possibilities: lighting comfort, environment scenarios, combinations of multiple functions, etc. Discover the Legrand BUS/KNX offer, combining performance, aesthetics, and comfort, for a full and optimised response to your customers' needs.

“  
**Really clever,  
infinitely  
stylish!**”

## MANUAL CONTROL UNITS

### One offer, six designs

Combining performance with aesthetics, control units are available in six decorative ranges.



ARTEOR



AXOLUTE



CÉLIANE



MOSAIC



VALENA



LIVINGLIGHT

## A wide range of mechanisms for everyday comfort

There are several types of mechanism available for user convenience.



SIMPLE



WITH LABEL HOLDER



TOUCH

## Functional diversity

KNX control units provide multiple functions for managing lighting, shutters, scenarios, socket outlets and temperature.

### "Basic" functions

#### Optimised ergonomics thanks to programming

- ON/OFF switching
- Dimming up and down
- Roller shutters: raise, lower, stop
- Scenario: send a scenario number, save scenario
- Send one or two values: lighting level, position of shutters/slats, etc.

### "Advanced functions"

#### The Legrand plus!

As well as simple functions, Legrand offers you multi-control functions for a more comprehensive management of your installation:

- Send priority: ON/OFF locking and unlocking
- Send incrementing commands (by scrolling through the options): each press refers to a command. Example: 1st press = comfort (command 1), 2nd press = stand-by (command 2), 3rd press = eco (command 3), 4th press = comfort (command 1)
- Dual action transmission: send two commands. This function allows products which do not have a scenario function to be linked to a scenario.
- Mode 1/Mode 2 conditional transmission: send a command or a second different command, depending on a condition being met. The control unit has the ability to send commands to different circuits depending on an event.



## MANUAL CONTROL UNITS

### LEDs for clear information

All controls, whether a push-button or a touch plate, are fitted with RGB LEDs, each of which can produce twelve different colours: green, blue, white, orange, gold, yellow, turquoise, cyan, light blue, violet, magenta, purple.

Configurable using ETS software (see p. 16), LEDs display the load status and status feedback and can be used to customise the control unit status using colours, flashing, and brightness.

### Status displays

- Status feedback from actuators/ controllers: ON or OFF
- System status feedback: context information indicated by the BUS. Examples: over-consumption, broken lamp, too much wind for roller shutters, etc.

### Customizing the status

- Adjustment of the colour and behaviour through different modes. The default modes are:
  - ON = steady green
  - OFF = steady blue
  - Alarm = flashing red (not modifiable)
  - Control de-activated = steady orange
- Adjustment of brightness from 0 to 100% according to three values:
  - Normal (adjustable value)
  - Eco (adjustable value)
  - Stand-by (non-adjustable value)



“ Set colour and brightness according to needs



### Wireless, no-battery controls

With one to four buttons and 2 or 4 inputs, they control lighting (ON/OFF, dimming) and shutters (raise/lower/stop).

With the KNX wireless interface, wireless controls without batteries can communicate with BUS/KNX controllers for even greater flexible and effective control!

#### THE +

**It's the ideal solution for open-plan offices where the installation has to be easily adaptable in case the working area is re-configured:**

- no vertical wiring
- installed in a suspended ceiling
- battery-free operation



MOSAIC

KNX WIRELESS INTERFACE

### Thermoregulation control

The temperature control panel is a flush mounted 1,6" backlit display with 4 push buttons to manage HVAC systems as fan coil unit or floor heating.

#### THE +

- in line with Legrand design
- **Flexibility:** can be combined with several types of HVAC controller



### More advanced control

The 5.7" touch screen is an automation device able to manage up to 110 KNX functions. It is also able to receive and display system data such as an energy consumption profile (graph), temperature, dimming information and many more.

By simply pressing a key on the multi-scenario touchscreen, pre-programmed scenarios are selected. Example: in a meeting room, the "Projection" scenario causes the screen to drop down, lowers the blinds and dims the lights.

#### THE +

- **Convenient to use:** comprehensive, centralized management operated from a single control unit.
- **Performance:** controls and displays up to 110 standard functions as well as a number of special ones.
- **Flexibility:** ability to switch between manual and programmed control.



## DETECTORS

### Energy performance and operating performance

#### A sustainable approach

Apart from simple ON/OFF and dimming controls, detectors provide access to the advanced automation functions required in any "green" building:

- stand-by/maintained dimming
- programmed lighting maintenance
- scenario triggering dependent on presence/absence, natural light levels or the time

#### Flexibility & Efficiency

- Detectors provide an installation with flexibility: their operation and programming can be adapted according to external parameters (over-consumption, alarm, etc.)
- Detectors constantly measure daylight levels. In combination with controllers they provide a better understanding of the detection area and makes it possible to adapt lighting in response to natural light levels.

Note: it is possible for there to be several dimming levels within a single space!

#### Supervision informations

- KNX detectors provide any supervision system with useful key information:
- indication of presence
  - load status and dimming level (as a %)
  - light level in real time (in lux)

### 3 fixing systems for optimum flexibility of installation

#### Suspended ceiling

The detectors are installed using springs (supplied) or in a Batibox or can be surface mounted.



SOLUTIONS FOR CORRIDORS, OUTDOOR CAR PARKS, BASEMENTS AND WORK AREAS

#### Wall - flush-mounting

Products are installed in a Batibox.



SOLUTIONS FOR SMALL PREMISES AND BATHROOMS

#### Wall - surface-mounting

Products are installed in a surface-mounted frame and can be fixed in a corner in certain cases.



SOLUTIONS FOR OUTDOOR CAR PARKS, BASEMENTS, SMALL PREMISES, BATHROOMS AND WORK AREAS

“  
Perfect detection  
in any location!”

## The power of two detection technologies

### Infrared detection (PIR)

Suitable for detecting wide amplitude movements such as walking, infrared technology provides optimum lighting management in passage areas such as corridors.



CAT.NO 0 489 21  
PIR detection with  
270° movable head  
Range 20 m  
IP 55  
Wall or ceiling  
surface mounting

CAT.NO 0 489 19  
360° PIR double detection  
Lateral range 2 x 12 m  
IP 20  
Ceiling mounted

### PIR detection + with high density lens

Infrared technology is suitable to detect wide amplitude movements but with its high density lens this sensor is able to detect the thinnest movement also and it is adapted for passage but working areas also.



CAT.NO 0 489 22  
360° PIR detection  
Range 8 m  
IP 20  
Ceiling mounted

### Infrared + ultrasound detection (PIR/US)

The exclusive coupling of two technologies consolidates the presence information and guarantees the detection of smaller movements for greater effectiveness, which makes the difference in work areas.



CAT.NO 0 489 20  
180° PIR/US detection  
Front range 8 m  
IP 42  
Surface mounted on  
the wall

CAT.NO 0 489 18  
360° PIR/US detection  
Range 8 m  
IP 20  
Ceiling mounted

## Smart detection

Thanks to the combination of ETS and the 0 882 30 configuration tool, it is possible to set/modify detector parameters simply and quickly for optimum detection!

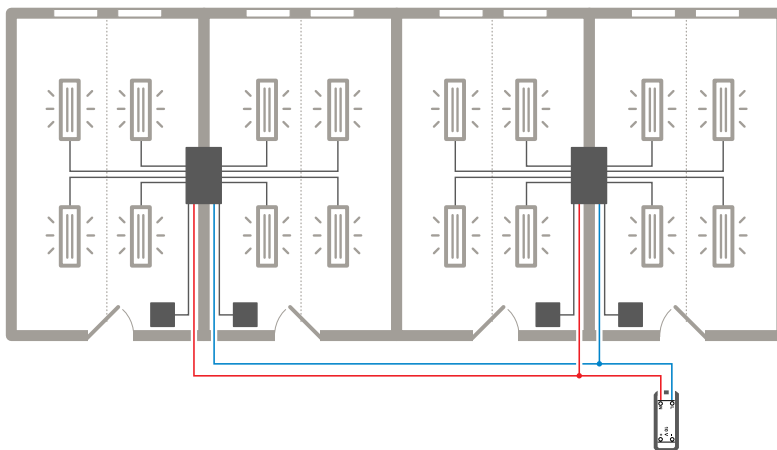
→ SEE PAGE 16

# SIMPLIFIED INSTALLATION

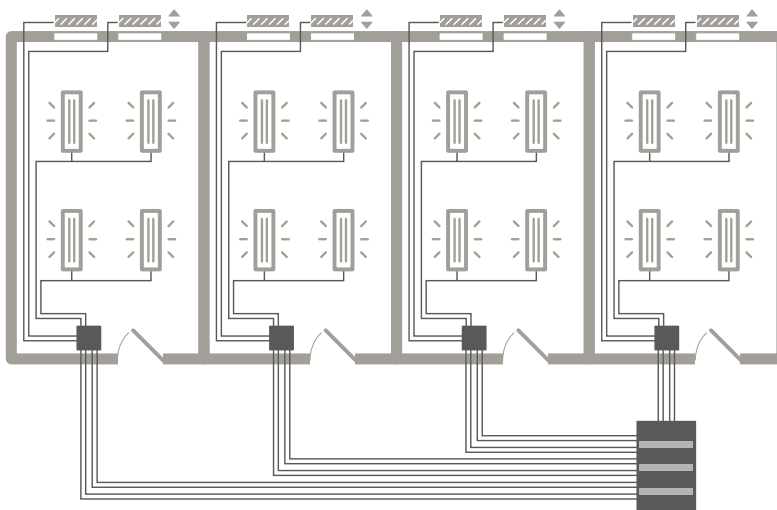
Equipped with different outputs, controllers (also called actuators) receive commands from the control units and act on lighting or shutter loads. Their installation may take one of two from factors.

## DISTRIBUTED INSTALLATION

In a system it consists in having the controllers locally installed in false ceilings where there are the load and not in the main cabinet as usual.



DECENTRALIZED  
SMART  
INSTALLATION



CENTRALIZED  
INSTALLATION

### False ceiling controllers for dimming

These power units control lighting loads. In order to operate, they have to be linked to one or more detectors and/or remote auxiliary control units. Because they are situated near the loads to be controlled, they provide savings in the cables to be routed and in wiring time. They also save space in the consumer unit.



FOR DALI PROTOCOL,  
4 OUTPUTS

FOR 1-10 V BALLASTS,  
4 OUTPUTS

## “ Quicker and easier cabling

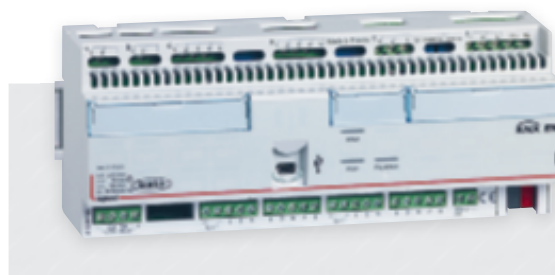
### Multi-application modular controllers

These modular controllers with integrated consumption measurement are fitted with output contacts for controlling:

- all types of ON/OFF load (lighting, roller shutters, contactors, motors, etc.)
- a DALI dimming output (64 ballasts max.)
- an on-board energy meter

Loads are managed by the control units to which they are linked: either BUS/KNX control units, or wired connection input terminals (switches, push-buttons, voltage free contacts).

They also provide a wide range of functions: ON/OFF or dimming lighting control, DALI, roller shutter and ventilation control.



16 INPUTS  
16 OUTPUTS  
12 MODULES  
(Available with 8 inputs,  
10 outputs, 8 modules)

These DIN controllers offer the possibility of controlling several circuits (voltage free contacts included) within a reduced space, and include embedded automation: an ideal solution for hotel room management!

Installed in a modular cabinet, they are the ideal solution for small spaces (bedrooms, conference rooms, offices).



## CENTRALIZED INSTALLATION

This consists of a traditional installation using modular products installed in the electrical panel.

Note: all controllers can be controlled for each output by a detector and/or a BUS/KNX control unit.

**easy maintenance**

### Modular ON/OFF controllers



- 8 A FOR LIGHTING
- 16 A FOR LIGHTING, SOCKET OUTLETS AND ELECTRICAL EQUIPMENT

### Modular controller for roller shutters



4 OUTPUTS

### Modular FCU Controller



ON/OFF CONTROL (PWM)

### Modular FCU Controller



0-10 V

### Controllers

#### Modular controllers for dimming

- Flexibility in use DALI/KNX gateway manages a maximum of 64 connected ballasts per channel, the modular DALI controller can handle them individually or in groups (maximum of 16 groups per gateway).
- Control of all sources, universal dimming, full DALI dimming, multiple circuits.



FOR DALI PROTOCOL

#### Modular controller for shading

- Controls up to 4 venetian blinds or roller shutters.

#### Modular control for HVAC

- ON/OFF and 1-10 V controllers manage any kind of fan coil units.

Controller Cat.No 0 026 59 varies the level of two outputs of any LV or ELV loads.



FOR ALL LV AND ELV LOADS

# KNX INFRASTRUCTURE PRODUCTS

## Power supply

- 320 mA and 640 mA power supplies provide power for one BUS/KNX line. There is a built-in filter to prevent the short-circuit of messages from the BUS.
- The line coupler provides galvanic insulation between lines. This is necessary to extend the system over 64 participants.

## Connection

- BUS/KNX cables are available in a single pair version (red/black) or 2 pairs (red/black, yellow/white).
- The black/red BUS/KNX connector is used to extend, split the cable or simply connect the products.

## Interface

- BUS/KNX interfaces - voltage free contact, available in a modular version or for flush-mounting, allow voltage free products (switches, push buttons, alarms, etc.) to be connected to BUS/KNX.
- A binary interface is also available allowing the connection of probes, sensors which need to distinguish between two levels of signal.



VOLT-FREE CONTACT BUS/KNX INTERFACE



640 mA POWER SUPPLY



LINE COUPLER

## Communication & Control

Legrand BUS/KNX modules can send/receive commands to different controllers in the system.

- A BUS/KNX - IP gateway allows operation from off site; it has 2 functions:
  - IP interface for making the links between the BUS/KNX infrastructure and the IP network remotely configure the installation with ETS
  - a Web communication interface for a simple supervision via a dedicated Web page.
- The scenario module can control up to eight scenarios and 8 program events.
- The IP/KNX router is a KNX network coupler enabling interconnection among different KNX networks via the IP infrastructure.
- The BUS/KNX - USB interface allows a PC to be connected to the BUS/KNX via the USB port to program or make diagnostic on the system.



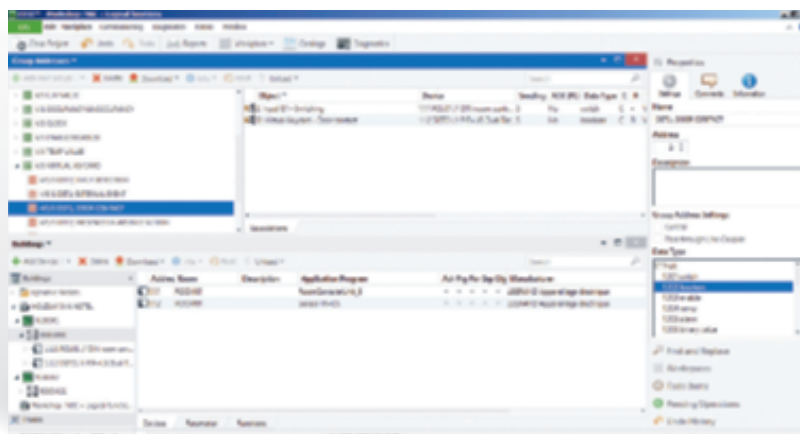
IP COMMUNICATION MODULE

# FLEXIBLE, RELIABLE AND CONSISTENT CONFIGURATION



## ETS5 SOLUTION

A standardised non-proprietary programming tool available in 15 languages, ETS5 software supports all KNX installations, whatever the medium used: twisted pair, radio frequency, Ethernet/IP, power line carrier. It makes it easy to program control all the KNX devices.



### A configuration system accessible in three steps:

1. Acquire the ETS5 software from the KNX association.
2. Download the Legrand database from [www.legrandoc.com](http://www.legrandoc.com).
3. Import all the products into ETS5.



## LEGRAND SOLUTION

### Configuration

As a complement to the ETS software, KNX detectors offer the possibility of local configuration.

This mobile configurator is used to interrogate, display and modify the detector parameters:

- light level threshold
- delay
- detection sensitivity

Note: parameters can be saved and then copied to other detectors.



**THE MOBILE CONFIGURATOR:**  
AN ASSET FOR COMMISSIONING  
AND MAINTENANCE

For optimum supervision with complete simplicity, Legrand offers "Legrand supervision software" (LSS) which allows you to view and control the whole of a building very easily: the management of Legrand solutions is pre-configured; screens are generated automatically.

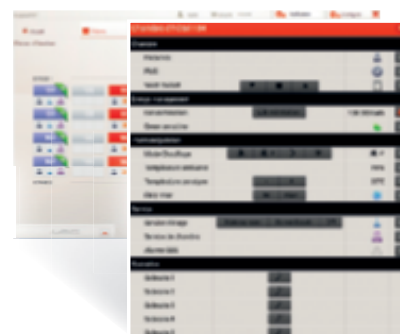
# SUPERVISION SOFTWARE



VIEWING AND CONTROLLING LIGHTING: OVERVIEW AND DETAILED VIEW BY AREA



CONSUMPTION DISPLAY WITH COMPARISON



VIEWING AND CONTROLLING GUEST ROOM: OVERVIEW AND DETAILED VIEW BY ROOM



	<b>LIGHTING, SHUTTERS, SOCKET OUTLETS</b>	<b>MEASUREMENT</b>	<b>HOTEL GUEST ROOM MANAGEMENT</b>
<b>VIEW AND CONTROL</b>	<ul style="list-style-type: none"> <li>■ Lighting status: overview and view by area</li> <li>■ Presence of persons</li> <li>■ Light level</li> <li>■ Status of shutters and socket outlets</li> <li>■ Control from the lighting, shutter and socket outlets supervision station, area by area</li> <li>■ Programming according to a day/month/year calendar</li> </ul>	<p>For each zone and circuit, and by usage, display:</p> <ul style="list-style-type: none"> <li>■ of consumption per day, month, year</li> <li>■ of the comparator with previous periods</li> <li>■ of the detail of electrical values (energy, power, voltage, current, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>■ Occupancy status: overview and view by room</li> <li>■ Ambient temperature and status of thermoregulation operating mode</li> <li>■ Energy consumption level</li> <li>■ Control temperature setpoint, thermoregulation operating mode, shutter</li> <li>■ Launch scenes as welcome, checkout, ...</li> </ul>
<b>BE WARNED</b>	<ul style="list-style-type: none"> <li>■ System fault display Example: loss of communication</li> <li>■ Change of status of lighting, of a shutter, etc.</li> </ul>	<ul style="list-style-type: none"> <li>■ Over-consumption for the whole building</li> </ul>	<ul style="list-style-type: none"> <li>■ Guest requirements: MUR, Do Not Disturb</li> <li>■ SOS alarm</li> <li>■ "Green sensitive" guest</li> </ul>

To meet any need of personalisation (screens, variables, equipment, etc.) the Legrand supervision software can be customised in order to create a tailor-made solution. Open to KNX, Modbus, DALI and also Bacnet protocols, it requires an integrator for its set-up.

# FOR ACTIVE BUILDING MANAGEMENT



Customisable screens, with equipment shown on a plan

## VIEW, CONTROL, BE WARNED



### LIGHTING SHUTTERS

Display on a plan of the location of lighting and shutter units



### MEASUREMENT

Water and gas consumption display for the whole building



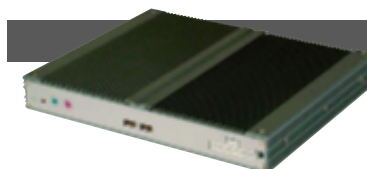
### HVAC

Temperature adjustment, ventilation, etc. Display of diagrams for monitoring



### ACCESS CONTROL

Monitoring of building activity



## INTERACT

Building manager decision maker PLC  
Cat.No 0 035 44

### Application examples with third-party systems (HVAC, access control, ...):

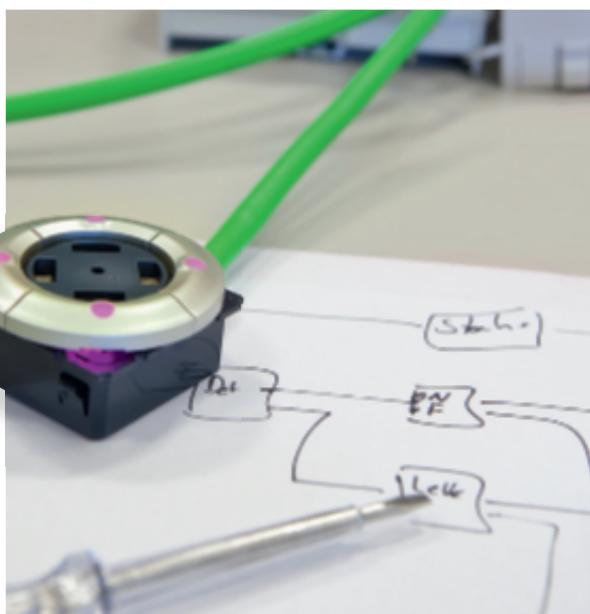
- automatic change to the right temperature depending on whether or not people are present
- supply to power sockets as soon as someone enters an office suite

# LEGRAND WILL ASSIST YOU

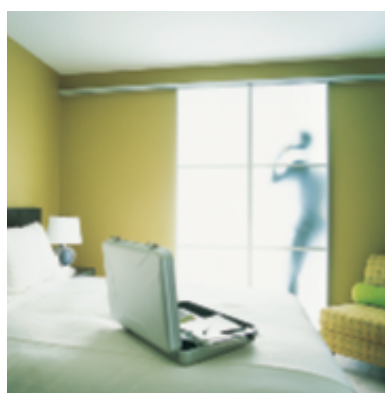
## TRAINING

Legrand offers installers, operators and design offices dedicated training, allowing them to increase their overall building management expertise.

→ FIND OUT ABOUT OUR  
ONLINE TRAINING OFFER  
AT [WWW.LEGRAND.COM](http://WWW.LEGRAND.COM)



# APPLICATION EXAMPLES



Dedicated  
“**hotel**”  
solution

22 **Guest room**



Dedicated  
“**commercial  
sector  
buildings**”  
solutions

24 **Open space**

26 **Meeting room**

28 **Reception area**

30 **Classroom**



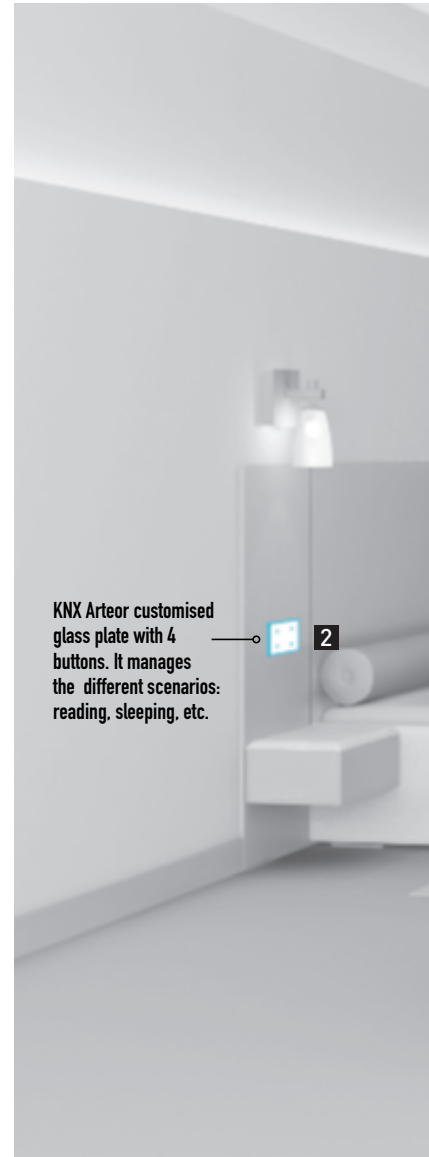
# Hotel guest room

- Presence detection
- Temperature management
- Socket management
- Scenarios

In a hotel room there is the need to manage everything when the customer is present: lighting, sockets, HVAC.

When the customer enters the room the entrance lights are automatically turned ON and when he puts the badge in the holder the HVAC and the sockets are also enabled.

The customer is able to manage everything through the different control units, choosing the conditions he prefers according to his mood or needs.



KNX Arteor customised glass plate with 4 buttons. It manages the different scenarios: reading, sleeping, etc.



Legrand supervision software



KNX/IP gateway

Cat.No	Qty
0 035 43	1

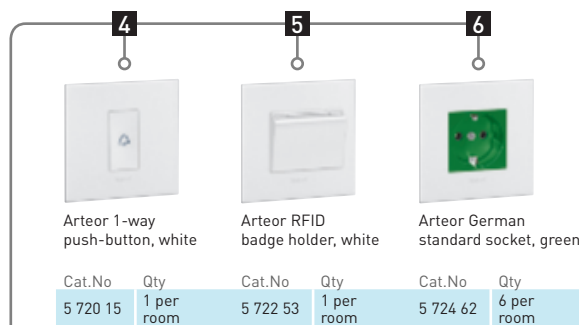
> page 44



KNX 640 mA power supply

Cat.No	Qty
0 026 94	1 per KNX line

> page 44



TRADITIONAL CABLING

BUS/KNX



KNX Multi-application controller

Cat.No	Qty
0 484 22	1 per room

> page 43

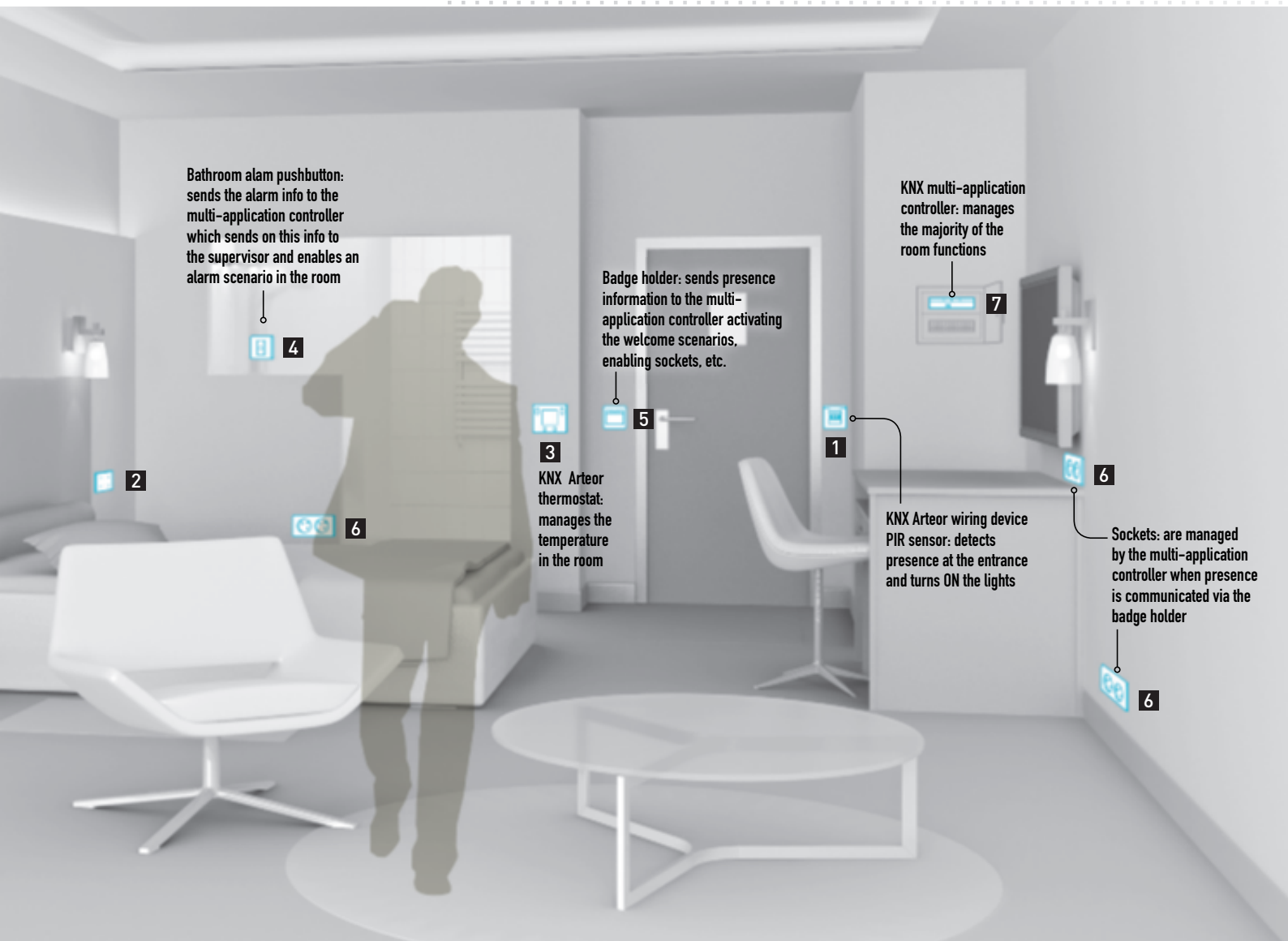


KNX FCU controller

Cat.No	Qty
0 026 97	1 per room

> page 41

Common solution for several areas



KNX Arteor PIR wiring device sensor

KNX Arteor 4-button glass plate, white

KNX Temperature control panel

Cat.No	Qty	Cat.No	Qty	Cat.No	Qty
5 740 37	1 per room	5 735 04	2 per room	0 674 64	1 per room

> page 42

> page 32

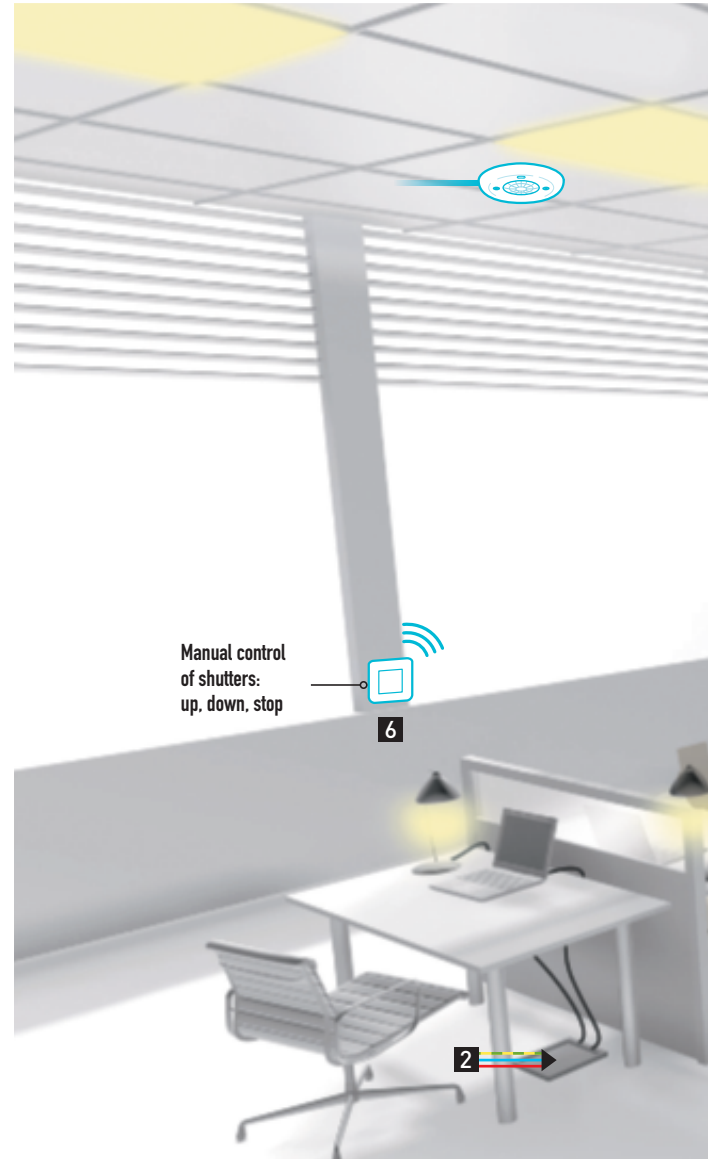
> page 41

# Open space

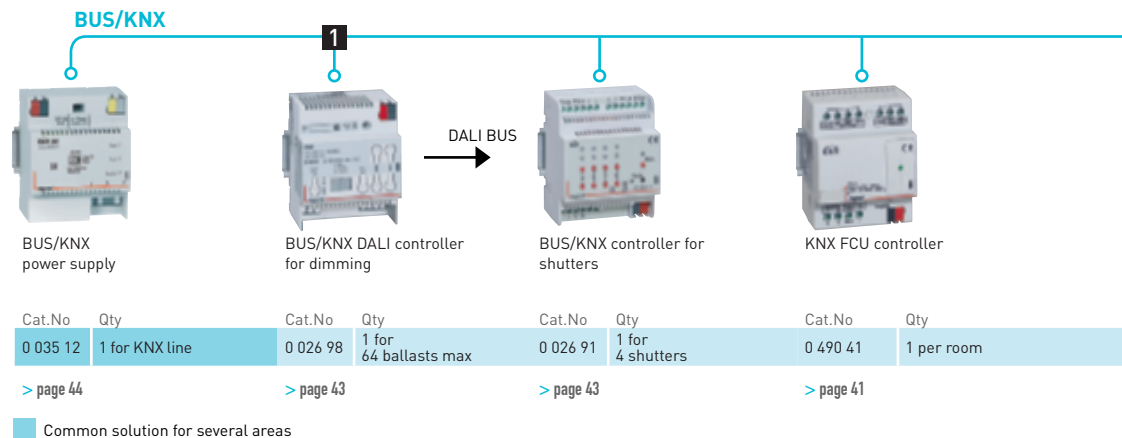
- Presence detection
- Movement detection
- Light level measurement
- Dimming

## BUS/KNX SOLUTIONS PROVIDING AREAS WITH FLEXIBILITY

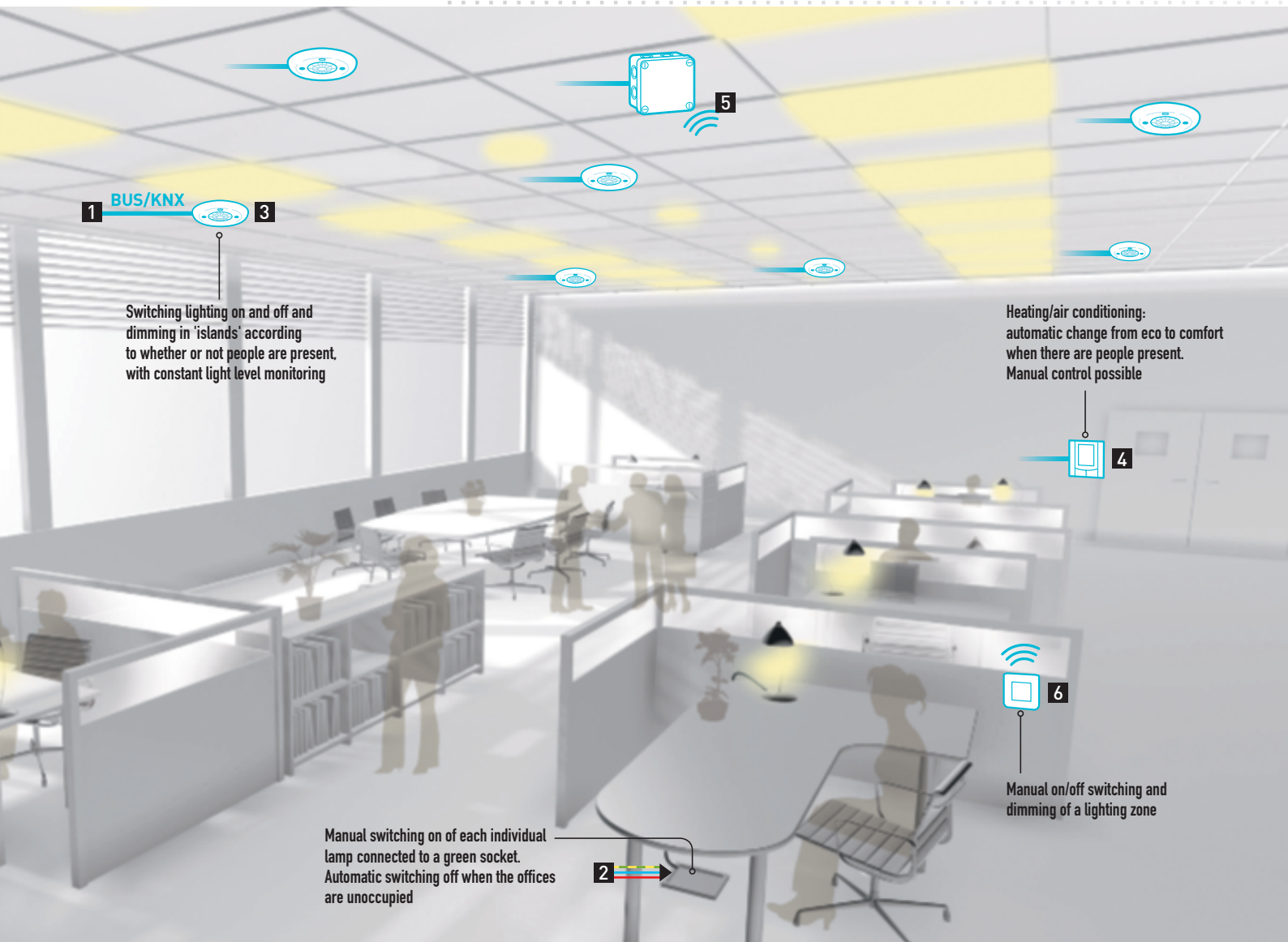
In an office suite, you need to be able to refurbish and re-arrange spaces without touching the wiring and without moving equipment. All you have to do is link detectors and control units to the luminaires, without restriction, with simple programming using the ETS software.



Manual control of shutters: up, down, stop







**1** BUS/KNX **3**

Switching lighting on and off and dimming in 'islands' according to whether or not people are present, with constant light level monitoring

Heating/air conditioning: automatic change from eco to comfort when there are people present. Manual control possible

Manual switching on of each individual lamp connected to a green socket. Automatic switching off when the offices are unoccupied

Manual on/off switching and dimming of a lighting zone



ON/OFF lighting controller with 4 outputs for lamps connected to green sockets

Cat.No	Qty
0 026 80	1 for 4 x 16 A sockets max

> page 43

**ELECTRICAL PANEL**

**OFFICE SUITE**



360° KNX infrared+ultrasound lighting management sensor

Cat.No	Qty
0 489 18	1 every 6 m

> page 42



Temperature control panel

Cat.No	Qty
0 674 64	1 for the office suite

> page 41



Zigbee/KNX gateway

Cat.No	Qty
0 488 77	1 for 16 control units

> page 41



Radio control unit without batteries with single push-button

Cat.No	Qty
0 784 61	1 per workstation

> page 41

# Meeting room



- Presence detection
- Light level measurement
- Dimming
- Scenario control
- Manual switch-on
- Management of shutters, screens

In a meeting room, you need to be able to control the lighting but also the shutters, screen, ventilation, etc. individually or via programmed scenarios.



BUS/KNX - IP gateway

Cat.No	Qty
0 035 43	1

> page 44



BUS/KNX power supply

Cat.No	Qty
0 035 12	1 per KNX line

> page 44

BUS/KNX

1



BUS/KNX universal ON/OFF controller

Cat.No	Qty
0 026 61	1 for 4 circuits

> page 43

2



BUS/KNX universal dimming controller

Cat.No	Qty
0 026 59	1 for 2 circuits

> page 43

3



BUS/KNX controller for shutters

Cat.No	Qty
0 026 91	1 for 4 circuits

> page 43

Common solution for several areas



## BUS/KNX

1 2 3 →

Power supply to light fittings, HVAC, shutters, screen, video projector: equipment in the electrical panel



On pressing the control unit at the entrance to the room, the lighting is automatically switched on/off or dimmed depending on whether or not there are people present and on the level of daylight.



During the meeting, priority control of scenarios. Examples:  
 • start of projection  
 • end of projection  
 • full lighting etc.  
 At the end of the meeting, automatic switch-off of lighting and HVAC



As soon as someone enters the room, manual switching on/off and dimming of ceiling and panel lights

### CONTROLLED CIRCUITS

One ON/OFF lighting circuit for panel/screen LEDs or halogen

2 dimming circuits: one panel side, one room side Dimmable LEDs

2 shutter circuits: up/down/stop  
 1 screen circuit: up/down  
 1 HVAC circuit: comfort/eco

ELECTRICAL PANEL

OFFICE SUITE



BUS/KNX lighting management sensor 360° infrared + ultrasound Range 8 m

Cat.No	Qty
0 489 18	1 every 6 m

> page 42



Touchscreen control

Cat.No	Qty
0 488 84	1 per room

> page 9



Control for 2 ON/OFF and dimming lighting circuits

Cat.No	Qty
0 675 71	1 per door

> page 32

# Reception areas

- Presence detection
- Movement detection
- Light level measurement
- Dimming

In a reception area, you need lighting to come on automatically when there are people present and for it to adjust according to the natural light level.  
 In corridors you want lighting to come on only when people are passing by and only if the natural daylight is insufficient.



Legrand supervision software



BUS/KNX - IP gateway

Cat.No	Qty
0 035 43	1

> page 44



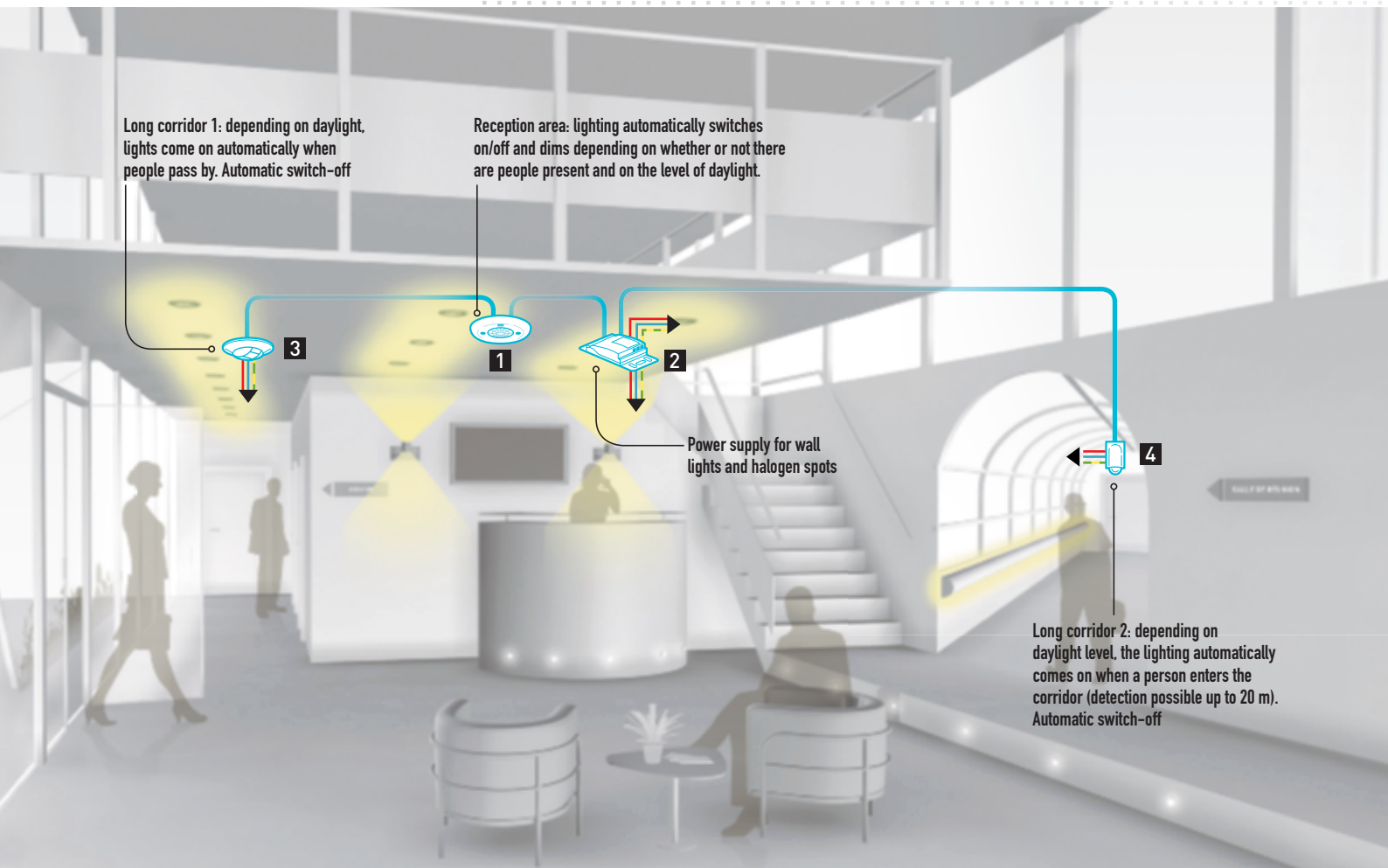
BUS/KNX power supply

Cat.No	Qty
0 035 12	1 per KNX line

> page 44

BUS/KNX

■ Common solution for several areas



Long corridor 1: depending on daylight, lights come on automatically when people pass by. Automatic switch-off

Reception area: lighting automatically switches on/off and dims depending on whether or not there are people present and on the level of daylight.

Long corridor 2: depending on daylight level, the lighting automatically comes on when a person enters the corridor (detection possible up to 20 m). Automatic switch-off

### CONTROLLED CIRCUITS

**Long corridor 1**  
Flush-mounted LED spots

**Reception area**  
Wall lights and halogen spots

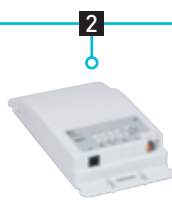
**Long corridor 2**  
Wall lights



BUS/KNX lighting management sensor 360° infrared + ultrasound  
Range 8 m

Cat.No	Qty
0 489 18	1 every 6 m

> page 42



BUS/KNX controller in suspended ceiling for dimming DALI lamps

Cat.No	Qty
0 488 88	1 for 2 circuits

> page 43



BUS/KNX lighting management sensor 2 x 180° for long corridors  
Range 2 x 12 m

Cat.No	Qty
0 489 19	1 every 20 m

> page 42



BUS/KNX lighting management sensor 180° infrared + ultrasound  
Range 8 m

Cat.No	Qty
0 489 20	1 every 6 m

> page 42



ON/OFF or dimming 1-10V BUS/KNX controller in suspended ceiling

Cat.No	Qty
0 488 87	1 for 4 circuits

> page 43

# Class room

- Presence detection
- Light level measurement
- Dimming

In a classroom, you need to pay attention to students' comfort by adjusting the brightness of lighting according to whether it is on the window or the corridor side. The teacher controls the panel lighting. All lighting switches off when the room is unoccupied.



Legrand supervision software



BUS/KNX - IP gateway

Cat.No	Qty
0 035 43	1

> page 44



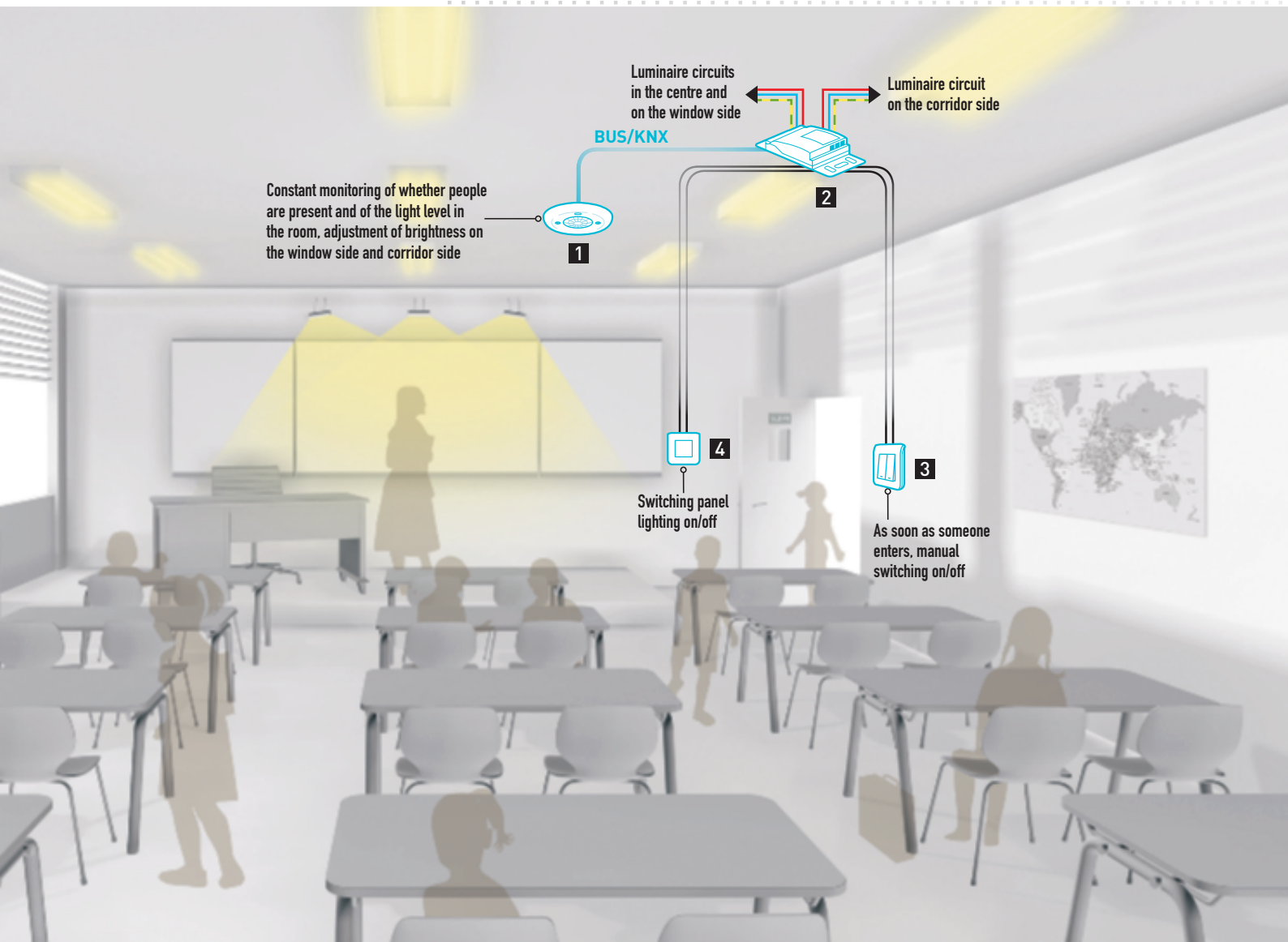
BUS/KNX power supply

Cat.No	Qty
0 035 12	1 for KNX line

> page 44

BUS/KNX

■ Common solution for several areas



1		2		3		4	
<b>BUS/KNX lighting management sensor 360° infrared + ultrasound Range 8 m</b>		<b>BUS/KNX DALI controller in suspended ceiling for dimming</b>		<b>Control for 2 on/off and dimming lighting circuits</b>		<b>Control for panel lighting</b>	
Cat.No	Qty	Cat.No	Qty	Cat.No	Qty	Cat.No	Qty
0 489 18	1 every 6 m	0 488 88	1 for 4 circuits	0 784 96	1 per door	0 784 89	1 per panel
<a href="#">&gt; page 42</a>		<a href="#">&gt; page 43</a>		<a href="#">&gt; page 32</a>		<a href="#">&gt; page 32</a>	

# Mosaic™, Céliane™, Arteur™, Valena™

## BUS/KNX manual control units



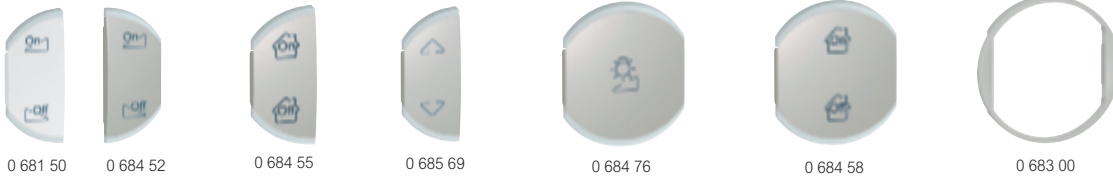
Connected directly to BUS/KNX cable (supplied with tap-off connector)  
The control unit must be programmed using ETS software

Pack	Cat.Nos	Mosaic wired control units	Pack	Cat.Nos	Céliane wired control units (continued)
		Used to control lighting (ON/OFF, dimming, scenario, forcing), roller shutters (up, down, stop), awnings, and other receivers Fitted with programmable RGB LEDs (12 colours available) for displaying load status and system status feedback (normal, forced, override, day/night pilot light, etc.) and alarms. For use in combination with Mosaic plates and Batibox support frames			<b>4 buttons touch control units</b> Supplied complete with white or black touch plate ○ Kaolin glass ● Graphite glass
1	0 784 89	<b>1 button - 1 actuation point</b> ○ White	1	0 675 72	
1	0 784 95	<b>1 button - 2 actuation points</b> ○ White	1	0 675 74	
1	0 784 94	<b>2 buttons - 2 actuation points</b> ○ White	1	0 675 71	<b>Arteur wired control units</b> Used to control lighting (ON/OFF, dimming, scenario, forcing), roller shutters (raise, lower, stop), awnings, and other receivers Fitted with programmable RGB LEDs (12 colours available) for displaying load status and system status feedback (normal, forced, override, day/night pilot light, etc.), alarms To be fitted with Arteur plates and Batibox support frames
1	0 784 96	<b>2 buttons - 4 actuation points</b> ○ White	1	0 675 71	<b>4 channels control unit without label display</b> 4 actuation points To be equipped with key covers for control mechanism
1	0 784 91	<b>4 buttons - 4 actuation points</b> Supplied with label holder for button identification	1	5 742 03	<b>Square version</b> 4 actuation points - With label holder
			1	5 744 04	○ White ● Magnesium
			1	5 735 02	<b>Round version</b> 4 actuation points - With label holder
			1	5 735 03	○ White ● Magnesium
		<b>Céliane wired control units</b> Used to control lighting (ON/OFF, dimming, scenario, forcing), roller shutters (up, down, stop), awnings, and other receivers Fitted with programmable RGB LEDs (12 colours available) for displaying load status and system status feedback (normal, forced, override, day/night pilot light, etc.) and alarms	1	5 735 04	<b>4-buttons touch control units</b> Supplied complete with white or black touch plates To be fitted with Batibox support frames
1	0 675 71	<b>4 channels control unit without label display</b> For use with cover plates, ring cover, Céliane plate, and Batibox support frame	1	5 735 05	○ White - for BS flush-mounting boxes ● Black - for BS flush-mounting boxes
			1	5 735 12	<b>6-buttons touch control units</b> Supplied complete with white or black touch plates
1	0 675 70	<b>4 buttons - 4 actuation points</b> Fitted with white or titanium key cover Supplied with label holder for button identification For use with Céliane plate and Batibox support frame	1	5 735 13	○ White ● Black
1	0 675 79	○ White ● Titanium			<b>Valena wired control units</b> Used to control lighting (ON/OFF, dimming, scenario, forcing), roller shutters (raise, lower, stop), awnings, and other receivers Fitted with programmable RGB LEDs (12 colours available) for displaying load status and system status feedback (normal, forced, override, day/night pilot light, etc.), alarms To be fitted with Valena plates and Batibox support frames
			1	0 675 71	<b>4 channels control unit without label display</b> 4 actuation points To be equipped with key covers for control mechanism



# Céliane™





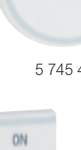

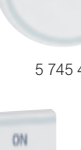
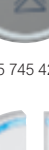




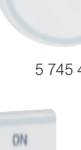
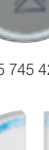




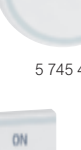
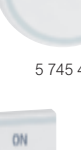
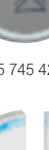


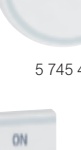
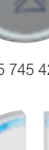
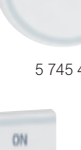
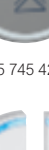


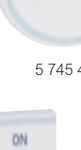
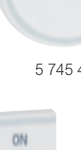
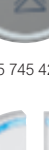


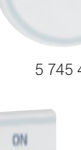
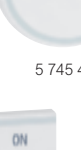
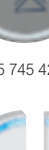






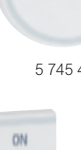
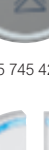
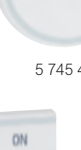
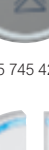


## BUS/KNX manual control key covers



0 681 50   0 684 52   0 684 55   0 685 69   0 684 76   0 684 58   0 683 00

Pack	Cat.Nos		Single key covers
			For mechanisms Cat.Nos 0 675 71
	White	Titanium	
5	<b>0 681 50</b>	<b>0 684 50</b>	<b>Lighting and sound distribution</b>
5	0 681 52	0 684 52	Left-hand mounting Right-hand mounting
			<b>Lighting</b>
5	0 681 48	0 684 48	Left-hand mounting
5	0 681 49	0 684 49	Right-hand mounting
			<b>Dimming</b>
5	0 681 77	0 684 77	Left-hand mounting
5	0 681 78	0 684 78	Right-hand mounting
			<b>GEN/ON/OFF</b>
5	0 681 55	0 684 55	Left-hand mounting
5	0 681 56	0 684 56	Right-hand mounting
			<b>ON/OFF</b>
5	0 682 80	0 685 80	Left-hand mounting
10	0 682 81	0 685 81	Right-hand mounting
			<b>For roller shutters</b>
5	<b>0 682 69</b>	<b>0 685 69</b>	Left or right-hand mounting
			<b>Unmarked</b>
10	<b>0 682 03</b>	<b>0 685 03</b>	Left or right-hand mounting
			<b>STOP</b>
1	0 682 04	0 685 04	Left-hand mounting only

Pack	Cat.Nos		Double key covers
			For mechanisms Cat.Nos 0 675 71
	White	Titanium	
5	0 681 42	0 684 42	Lighting
5	0 681 44	0 684 44	Lighting
5	0 681 76	0 684 76	Dimming
5	0 681 80	0 684 80	GEN
5	0 681 58	0 684 58	GEN/ON/OFF
5	0 681 88	0 684 88	ON/OFF
5	<b>0 682 59</b>	<b>0 685 59</b>	For roller shutters
10	<b>0 682 02</b>	<b>0 685 02</b>	Unmarked
			<b>Ring covers</b>
	White	Titanium	
10	<b>0 680 00</b>	<b>0 683 00</b>	To be installed in addition to single or double key covers

Key cover description	Pack	Number of modules	ROUND VERSION		SQUARE VERSION			
			White ○	Magnesium ●	White ○	Magnesium ●		
	5	1		5 745 05	5 745 06		5 744 87	5 744 86
	5	1		5 745 07	5 745 08			
	5	2		5 745 37	5 745 38		5 744 89	5 744 88
	5	1		5 745 17	5 745 18		5 744 75	5 744 74
	5	2		5 745 43	5 745 44		5 744 77	5 744 76
	5	1		5 745 20	5 745 22		5 744 69	5 744 68
	5	1		5 745 19	5 745 21			
	5	2		5 745 41	5 745 42		5 744 71	5 744 70
	5	1		5 745 15	5 745 16		5 744 93	5 744 92
	5	2		5 745 35	5 745 36		5 744 95	5 744 94
	5	2		5 745 39	5 745 40		5 744 73	5 744 72
	5	1		5 745 24	5 745 26		5 744 83	5 744 82
	5	1		5 745 23	5 745 25			
	5	2		5 745 31	5 745 32		5 744 85	5 744 84
	5	1		5 745 28	5 745 30		5 744 79	5 744 78
	5	1		5 745 27	5 745 29			
	5	2		5 745 33	5 745 34		5 744 81	5 744 80
	5	1		5 745 11	5 745 12		5 744 91	5 744 90
	5	1		5 745 45	5 745 46		5 745 47	5 745 48
	5	1		5 745 09	5 745 10		5 744 65	5 744 64
	5	2		5 745 13	5 745 14		5 744 67	5 744 66
	5	2		5 743 46	5 743 47		5 743 48	5 743 49
	2	1		5 743 94	5 743 95		5 743 96	5 743 97

# Valena™ Life/Allure

## BUS/KNX cover plates



7 553 20 + 7 540 01



7 553 22 + 7 541 31



7 554 23 + 7 543 01



7 554 33 + 7 543 91

Pack	Cat.Nos	Valena Life/Allure cover plates
		<b>Regulation symbol, left-hand side mounting</b> 1 module
1	7 555 90	White Valena Life
1	7 555 91	Ivory Valena Life
1	7 555 92	Aluminium Valena Life
1	7 554 83	White Valena Allure
1	7 554 84	Ivory Valena Allure
1	7 554 93	Aluminium Valena Allure
		<b>Regulation symbol, right-hand side mounting</b> 1 module
1	7 555 80	White Valena Life
1	7 555 81	Ivory Valena Life
1	7 555 82	Aluminium Valena Life
1	7 554 64	White Valena Allure
1	7 554 73	Ivory Valena Allure
1	7 554 74	Aluminium Valena Allure
		<b>Regulation symbol</b> 2 modules
1	7 552 60	White Valena Life
1	7 552 61	Ivory Valena Life
1	7 552 62	Aluminium Valena Life
1	7 553 93	White Valena Allure
1	7 553 94	Ivory Valena Allure
1	7 554 03	Aluminium Valena Allure
		<b>Light symbol, left-hand side mounting</b> 1 module
1	7 555 25	White Valena Life
1	7 555 26	Ivory Valena Life
1	7 555 27	Aluminium Valena Life
1	7 555 28	White Valena Allure
1	7 555 29	Ivory Valena Allure
1	7 555 30	Aluminium Valena Allure
		<b>Light symbol, right-hand side mounting</b> 1 module
1	7 552 65	White Valena Life
1	7 552 66	Ivory Valena Life
1	7 552 67	Aluminium Valena Life
1	7 554 94	White Valena Allure
1	7 555 00	Ivory Valena Allure
1	7 555 24	Aluminium Valena Allure
		<b>Light symbol</b> 2 modules
1	7 552 30	White Valena Life
1	7 552 31	Ivory Valena Life
1	7 552 32	Aluminium Valena Life
1	7 553 79	White Valena Allure
1	7 553 83	Ivory Valena Allure
1	7 553 84	Aluminium Valena Allure

Pack	Cat.Nos	Valena Life/Allure cover plates
		<b>Dimmer symbol</b> 2 modules
1	7 553 20	White Valena Life
1	7 553 21	Ivory Valena Life
1	7 553 22	Aluminium Valena Life
1	7 554 23	White Valena Allure
1	7 554 24	Ivory Valena Allure
1	7 554 33	Aluminium Valena Allure
		<b>Up/Down symbol either side</b> 1 module
1	7 554 00	White Valena Life
1	7 554 01	Ivory Valena Life
1	7 554 02	Aluminium Valena Life
1	7 554 53	White Valena Allure
1	7 554 54	Ivory Valena Allure
1	7 554 63	Aluminium Valena Allure
		<b>Up/Down symbol</b> 2 modules
1	7 553 10	White Valena Life
1	7 553 11	Ivory Valena Life
1	7 553 12	Aluminium Valena Life
1	7 554 04	White Valena Allure
1	7 554 13	Ivory Valena Allure
1	7 554 14	Aluminium Valena Allure
		<b>GEN marking</b> 2 modules
1	7 552 40	White Valena Life
1	7 552 41	Ivory Valena Life
1	7 552 42	Aluminium Valena Life
1	7 553 88	White Valena Allure
1	7 553 89	Ivory Valena Allure
1	7 553 91	Aluminium Valena Allure

# Valena™ Life/Allure

## BUS/KNX cover plates (continued)



7 554 00 + 7 555 55  
+ 7 540 01



7 554 53 + 7 555 47  
+ 7 543 01



7 554 02 + 7 555 57  
+ 7 541 31



7 554 63 + 7 555 49  
+ 7 543 91

Pack	Cat.Nos	Valena Life/Allure cover plates
		<b>GEN/ON/OFF marking, left-hand side mounting</b> 1 module
1	7 555 65	White Valena Life
1	7 555 66	Ivory Valena Life
1	7 555 67	Aluminium Valena Life
1	7 555 39	White Valena Allure
1	7 555 40	Ivory Valena Allure
1	7 555 46	Aluminium Valena Allure
		<b>GEN/ON/OFF marking, right-hand side mounting</b> 1 module
1	7 555 55	White Valena Life
1	7 555 56	Ivory Valena Life
1	7 555 57	Aluminium Valena Life
1	7 555 36	White Valena Allure
1	7 555 37	Ivory Valena Allure
1	7 555 38	Aluminium Valena Allure
		<b>GEN/ON/OFF marking</b> 2 modules
1	7 550 80	White Valena Life
1	7 550 81	Ivory Valena Life
1	7 550 82	Aluminium Valena Life
1	7 553 64	White Valena Allure
1	7 553 68	Ivory Valena Allure
1	7 553 69	Aluminium Valena Allure
		<b>ON/OFF marking, left-hand side mounting</b> 1 module
1	7 555 85	White Valena Life
1	7 555 86	Ivory Valena Life
1	7 555 87	Aluminium Valena Life
1	7 555 58	White Valena Allure
1	7 555 59	Ivory Valena Allure
1	7 555 60	Aluminium Valena Allure
		<b>ON/OFF marking, right-hand side mounting</b> 1 module
1	7 555 75	White Valena Life
1	7 555 76	Ivory Valena Life
1	7 555 77	Aluminium Valena Life
1	7 555 47	White Valena Allure
1	7 555 48	Ivory Valena Allure
1	7 555 49	Aluminium Valena Allure
		<b>ON/OFF marking</b> 2 modules
1	7 551 70	White Valena Life
1	7 551 71	Ivory Valena Life
1	7 551 72	Aluminium Valena Life
1	7 553 73	White Valena Allure
1	7 553 74	Ivory Valena Allure
1	7 553 78	Aluminium Valena Allure

Pack	Cat.Nos	Valena Life/Allure cover plates
		<b>Light and sound diffusion, right-hand side mounting</b> 1 module
1	7 555 95	White Valena Life
1	7 555 96	Ivory Valena Life
1	7 555 97	Aluminium Valena Life
1	7 555 68	White Valena Allure
1	7 555 69	Ivory Valena Allure
1	7 555 70	Aluminium Valena Allure
		<b>Light and sound diffusion, left-hand side mounting</b> 1 module
1	7 553 13	White Valena Life
1	7 553 14	Ivory Valena Life
1	7 553 23	Aluminium Valena Life
1	7 555 73	White Valena Allure
1	7 555 74	Ivory Valena Allure
1	7 555 78	Aluminium Valena Allure
		<b>Shutter STOP marking either side</b> 1 module
1	7 553 40	White Valena Life
1	7 553 41	Ivory Valena Life
1	7 553 42	Aluminium Valena Life
1	7 554 34	White Valena Allure
1	7 554 44	Ivory Valena Allure
1	7 554 43	Aluminium Valena Allure
		<b>Without marking either side</b> 1 module
1	7 553 30	White Valena Life
1	7 553 31	Ivory Valena Life
1	7 553 32	Aluminium Valena Life
1	7 553 24	White Valena Allure
1	7 553 33	Ivory Valena Allure
1	7 553 34	Aluminium Valena Allure
		<b>Without marking</b> 2 modules
1	7 550 60	White Valena Life
1	7 550 61	Ivory Valena Life
1	7 550 62	Aluminium Valena Life
1	7 553 43	White Valena Allure
1	7 553 44	Ivory Valena Allure
1	7 553 63	Aluminium Valena Allure
		<b>DO NOT DISTURB symbol</b> 2 modules
1	7 549 40	White Valena Life
1	7 549 41	Ivory Valena Life
1	7 549 42	Aluminium Valena Life
1	7 549 45	White Valena Allure
1	7 549 46	Ivory Valena Allure
1	7 549 47	Aluminium Valena Allure
		<b>DO NOT DISTURB and MAKE UP ROOM symbols</b> 2 x 1 module
1	7 549 30	White Valena Life
1	7 549 31	Ivory Valena Life
1	7 549 32	Aluminium Valena Life
1	7 549 33	White Valena Allure
1	7 549 34	Ivory Valena Allure
1	7 549 48	Aluminium Valena Allure

## Axolute and Livinglight

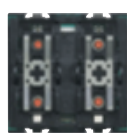
### BUS/KNX manual control units



LN4651KNX



NT4680KNX



H4651KNX



HD4680KNX



HD4657M3KNX



HS4657M3KNX























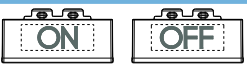


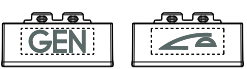


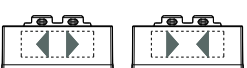



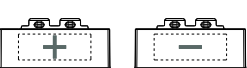


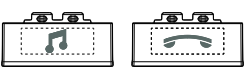


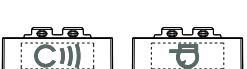



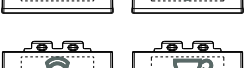























Connected directly to BUS/KNX cable (supplied with tap-off connector)  
The control unit must be programmed using ETS software

Pack	Cat.Nos	Livinglight wired control units
1	LN4651KNX	<p>Used to control (ON/OFF, dimming, scenario, forcing), roller shutters (up, down, stop), awnings, and other receivers. Fitted with programmable RGB LEDs (12 colours available) for displaying load status and system status feedback (normal, forced, override, day/night pilot light, etc.) and alarms</p> <p><b>4 channels control unit without label display</b> To be fitted with Livinglight cover plate, plate and support frame</p>
1	N4680KNX	<p><b>4 channels control unit with label display</b> Supplied with label holder for button identification To be fitted with Livinglight plate and support frame</p> <p>○ White ● Tech ● Anthracite</p>
1	NT4680KNX	
1	L4680KNX	
1	H4651KNX	<p>Control (ON/OFF, dimming, scenario, forcing), roller shutters (up, down, stop), awnings, and other clients. Fitted with programmable RGB LEDs (12 colours available) for displaying load status and system status feedback (normal, forced, override, day/night pilot light, etc.) and alarms</p> <p><b>4 channels control unit without label display</b> To be fitted with Axolute cover plate, plate and support frame</p>
1	HC4680KNX	<p><b>4 channels control unit with label display</b> Supplied with label holder for button identification To be fitted with Axolute plate and support frame</p> <p>● Tech ● Anthracite ○ White</p>
1	HS4680KNX	
1	HD4680KNX	
1	HC4657M3KNX	<p><b>6-buttons touch control unit</b> Supplied with fitted touch plate Requires Axolute support frame</p> <p>○ White ● Black ○ Transparent glass</p>
1	HS4657M3KNX	
1	HD4657M3KNX	

## Livinglight




### BUS/KNX manual control key covers

1-FUNCTION KEY COVERS			1 module CAT.NO	2 modules CAT.NO
<b>NEUTRAL LIGHTABLE KEY COVERS</b>				
	Neutral key cover with lightable bottom section	●	NT4915N	NT4915M2N
		●	L4915N	L4915M2N
	High brightness key cover	○	N4915LN	N4915M2LN
<b>KEY COVERS WITH DIFFUSER AND LIGHTABLE SYMBOL</b>				
	Key cover with light symbol	○	N4915AN	N4915M2AN
		●	NT4915AN	NT4915M2AN
		●	L4915AN	L4915M2AN
	Key cover with staircase light symbol	○	N4915BN	N4915M2BN
		●	NT4915BN	NT4915M2BN
		●	L4915BN	L4915M2BN
	Key cover with bell symbol	○	N4915DN	N4915M2DN
		●	NT4915DN	NT4915M2DN
		●	L4915DN	L4915M2DN
	Key cover with key symbol	○	L4915M2DN	N4915M2FN
		●	NT4915FN	NT4915M2FN
		●	L4915FN	L4915M2FN
	Key cover with dimmer symbol	○	—	N4915M2ADN
		●	—	NT4915M2ADN
		●	—	L4915M2ADN
	Key cover with "Do not disturb" symbol	○	N4915DD	N4915M2DD
		●	NT4915DD	NT4915M2DD
		●	L4915DD	L4915M2DD
	Key cover with "Make up room" symbol	○	N4915MR	—
		●	NT4915MR	—
		●	L4915MR	—

2-FUNCTION KEY COVERS			1 module CAT.NO	2 modules CAT.NO	KEY COVERS THAT CAN BE CUSTOMISED WITH DIFFUSERS, AVAILABLE AS A KIT			1 module CAT.NO	2 modules CAT.NO
<b>NEUTRAL LIGHTABLE KEY COVERS</b>					<b>NEUTRAL LIGHTABLE KEY COVERS</b>				
 N4911N	Neutral key cover with lightable top and bottom sections		N4911N	N4911M2N	 1 function can be customised	1-function key cover that can be customised with 1 diffuser*		N4915TN	N4915M2TN
 NT4911N			NT4911N	NT4911M2N				NT4915TN	NT4915M2TN
 L4911N			L4911N	L4911M2N				L4915TN	L4915M2TN
<b>KEY COVERS WITH 2 DIFFUSERS AND LIGHTABLE SYMBOLS</b>					<b>2 functions</b>  can be customised				
 NT4911AFN	Key cover with ON-OFF and GEN screen printing		N4911AFN	N4911M2AFN	 2 functions can be customised	2-function key cover that can be customised with 2 diffusers*		N4911TN	N4911M2TN
			NT4911AFN	NT4911M2AFN				NT4911TN	NT4911M2TN
			L4911AFN	L4911M2AFN				L4911TN	L4911M2TN
 NT4911AGN	Key cover with ON/OFF markings		N4911AGN	N4911M2AGN	<b>DIFFUSERS KIT</b>				
			NT4911AGN	NT4911M2AGN		Kit composition shown alongside (5 diffusers for each type)		N4915KIT	
			L4911AGN	L4911M2AGN				NT4915KIT	
	N4911AHN	N4911M2AHN			L4915KIT				
 NT4911AHN	Key cover with up/down symbols		N4911AGN	N4911M2AGN		Kit composition shown alongside (5 diffusers for each type)		N4915KIT	
			NT4911AHN	NT4911M2AHN				N4915KIT	
			L4911AHN	L4911M2AHN				N4915KIT	
 NT4911ADN	Key cover with + (top) and - (bottom) markings		N4911ADN	—		Kit composition shown alongside (5 diffusers for each type)		N4915KIT	
			NT4911ADN	—				N4915KIT	
			L4911ADN	—				N4915KIT	
 NT4911AIN	Key cover with adjustment OFF adjustment ON symbols		N4911ADN	—		Kit with diffuser shown alongside (50 diffusers)		N4915SETBL	
			NT4911AIN	NT4911M2AIN				NT4915SETBL	
			L4911AIN	L4911M2AIN				L4915SETBL	
 NT4911BFN	Key cover with "change source" and "change track" symbols		N4911AIN	N4911M2AIN		Kit with diffuser shown alongside (50 diffusers)		N4915SETBL	
			NT4911BFN	—				NT4915SETBL	
			L4911BFN	—				L4915SETBL	














# Axolute


## BUS/KNX manual control key covers









KEY COVERS WITHOUT SILK-SCREEN PRINTING - 1 AND 2 FUNCTIONS		1 module CAT.NO	2 modules CAT.NO
<b>KEY-COVERS WITHOUT SILK-SCREEN PRINTING - 1 FUNCTION</b>			
 HD4915  HD4915M2		HD4915	HD4915M2
 HC4915  HC4915/2		HC4915	HC4915/2
 HS4915  HS4915/2		HS4915	HS4915/2
<b>KEY-COVERS WITHOUT SILK-SCREEN PRINTING - 2 FUNCTIONS</b>			
 HD4911  HD4911M2		HD4911	HD4911M2
 HC4911  HC4911/2		HC4911	HC4911/2
 HS4911  HS4911/2		HS4911	HS4911/2

# Axolute

## BUS/KNX manual control key covers

KEY COVERS WITH SILK-SCREEN PRINTING - 1 AND 2 FUNCTIONS			1 module CAT.NO	2 modules CAT.NO
<b>KEY COVERS WITH SILK-SCREEN PRINTING WITH SYMBOLS - 1 FUNCTION</b>				
 HD4915AA	OFF		HD4915AA	HD4915M2AA
			HC4915AA	HC4915/2AA
			HS4915AA	HS4915/2AA
 HD4915AB	ON		HD4915AB	HD4915M2AB
			HC4915AB	HC4915/2AB
			HS4915AB	HS4915/2AB
 HD4915AC	GEN		HD4915AC	HD4915M2AC
			HC4915AC	HC4915/2AC
			HS4915AC	HS4915/2AC
 HD4915M2AA	Dimmer		HD4915AD	HD4915M2AD
			HC4915AD	HC4915/2AD
			HS4915AD	HS4915/2AD
 HD4915BA	Light		HD4915BA	HD4915M2BA
			HC4915BA	HC4915/2BA
			HS4915BA	HS4915/2BA
 HC4915/2AA	Stop		HD4915AE	—
			HC4915AE	—
			HS4915AE	—
 HD4915BL	Bed light		HD4915BL	HD4915M2BL
			HC4915BL	HC4915M2BL
			HS4915BL	HS4915M2BL
 HS4915/2AA	Bell		HD4915BB	HD4915M2BB
			HC4915BB	HC4915/2BB
			HS4915BB	HS4915/2BB
 HD4915BC	Fan		HD4915BC	HD4915M2BC
			HC4915BC	HC4915/2BC
			HS4915BC	HS4915/2BC
 HC4915AC HC4915/2AC	Key		HD4915BD	—
			HC4915BC	—
			HS4915BC	—
 HD4915BE	Music		HD4915BE	HD4915M2BE
			HC4915BE	HC4915/2BE
			HS4915BE	HS4915/2BE
 HS4915BA HS4915/2BA	Nurse		HD4915BF	HD4915M2BF
			HC4915BF	HC4915/2BF
			HS4915BF	HS4915/2BF
 HD4915DD	Do not disturb		HD4915DD	HD4915M2DD
			HC4915DD	HC4915M2DD
			HS4915DD	HS4915M2DD

KEY COVERS WITH SILK-SCREEN PRINTING - 1 AND 2 FUNCTIONS			1 module CAT.NO	2 modules CAT.NO
<b>KEY COVERS WITH SILK-SCREEN PRINTING WITH SYMBOLS - 1 FUNCTION (CONTINUED)</b>				
 HD4915MR	Make up room		HD4915MR	—
			HC4915MR	—
			HS4915MR	—

KEY COVERS WITH SILK-SCREEN PRINTING - 1 AND 2 FUNCTIONS			1 module CAT.NO	2 modules CAT.NO
<b>KEY COVERS WITH SILK-SCREEN PRINTING WITH SYMBOLS - 2 FUNCTIONS</b>				
 HD4911AF	ON - OFF - GEN		HD4911AF	HD4911M2AF
			HC4911AF	HC4911/2AF
			HS4911AF	HS4911/2AF
 HD4911M2AF	ON - OFF		HD4911AG	HD4911M2AG
			HC4911AG	HC4911/2AG
			HS4911AG	HS4911/2AG
 HD4911AH	UP - DOWN		HD4911AH	HD4911M2AH
			HC4911AH	HC4911/2AH
			HS4911AH	HS4911/2AH
 HD4911AI	ON - OFF ADJUSTMENT		HD4911AI	HD4911M2AI
			HC4911AI	HC4911/2AI
			HS4911AI	HS4911/2AI
 HD4911AG	Light		HD4911BA	HD4911M2BA
			HC4911BA	HC4911/2BA
			HS4911BA	HS4911/2BA
 HD4911BC	Fan		HD4911BC	HD4911M2BC
			HC4911BC	HC4911/2BC
			HS4911BC	HS4911/2BC
 HD4911BE	Treble clef		HD4911BE	—
			HC4911BE	—
			HS4911BE	—
 HD4911AD	+ up and - down		HD4911AD	—
			HC4911AD	—
			HS4911AD	—



## Radio extension


BUS/KNX



0 784 61



0 488 77

Pack	Cat.Nos	Zigbee/KNX wireless extension
1	0 784 61	<p>Used to control lighting (ON/OFF, dimming) and shutters (up, down, stop) For use with Zigbee/KNX interface Cat.No 0 488 77 Supplied complete with plate and support frame</p> <p><b>Mosaic</b> 1 button - 2 actuation points ○ White</p> 
1	0 488 77	<p><b>Zigbee/KNX interface</b></p> <p>Interface providing communication between batteryless radio control units Cat.Nos 0 784 61 (up to 16 control units) and BUS/KNX controllers 180m (outdoor or far field) around the interface so 18m approx. indoor For suspended ceiling installation</p>
1	0 883 09	<p><b>Sensors</b></p> <p>Used to control lighting (ON/OFF, dimming) or trigger automations For use with Zigbee/KNX interface Cat.No 0 488 77 180° passive infrared detection, front range 10 m Recommended fixing height: 2.5 m IP 42 Optimum distance between two sensors: 6 m Sleepy Consumption: 0.032 mA so 0.096 mW Awakened Consumption: 0.932 mA so 2.796 mW Battery powered by 2 x AA LR6</p>

## Thermoregulation

BUS/KNX



0 674 64



0 026 97



0 490 41

Connected directly to BUS/KNX cable (supplied with tap-off connector)  
The control unit must be programmed using ETS software

Pack	Cat.Nos	Temperature control panel
1	0 674 64	<p>Flush mounted 1.6" backlight display with 4 push-buttons and embedded a temperature probe Used to manage different types of heating/cooling system (FCU, heating/cooling valve, fan, electric load, ...) in combination through KNX with dedicated HVAC controller (réf. 0 026 97 or 0 490 41) - Monitoring the ambient temperature with desired unit - Adjustment of the temperature set-point and/or fan speed - Selection of operating mode (comfort, eco, protection, OFF) To be installed in flush-mounting boxes 2 modules</p>
1	H4691KNX	Arteor
1	LN4691KNX	Axolute
1	7 521 47	Livinglight
1	7 527 47	Valena Life
1	7 527 47	Valena Allure
1	0 026 97	<p><b>DIN FCU controller ON/OFF</b></p> <p>Actuator with internal thermoregulation to control FCU or thermal valves In combination with the temperature control panel, can be used to manage ambient temperature according to end-user requests: operating mode, temperature adjustment - 2 folds valve ON/OFF control (2 A - 75~256 VAC) - 1 fold fan control - 3 speeds (6 A - 230 VAC) - 1 binary input check - window contact (9~265 VAC/DC) - Operating temperature -5 to 45°C - Operating voltage 230 VAC +/- 10% (50/60 Hz) 4 DIN modules 17.5 mm</p>
1	0 490 41	<p><b>DIN FCU controller 0-10 V</b></p> <p>Actuator with internal thermoregulation to control FCU, fan, thermal valves, electric load In combination with the temperature control panel, can be used to manage ambient temperature according to end-user requests: operating mode, temperature adjustment - 2 outputs 0-10 VDC to control thermal valves (5 mA) - 5 outputs (relays) to control fan (3 speeds) and/or thermal valves (10 A - 230 VAC) - Operating temperature -5 to 45°C - Operating voltage supplied by the KNX bus 4 DIN modules 17.5 mm Possibility to power the 0-10 V valves in using the transformer 24 VAC ref. 4 130 95</p>

# Sensors

## BUS/KNX



Constantly check for presence and light levels, switching OFF as soon as the natural light level is sufficient.  
 Switch ON and OFF automatically  
 Accurate set-up on site with configuration device  
 Connected directly to BUS/KNX cable (supplied with tap-off connector)  
 The detector must be programmed using ETS software

Pack	Cat.Nos	Special corridor motion sensor
1	0 489 19	<b>Ceiling mounted</b> Double passive infrared detection 360°, lateral range 2 x 12 m IP 20 Consumption 0.2 W Recommended fixing height: 2.5 m Optimum distance between two sensors: 20 m Fits directly in suspended ceiling with springs (supplied) or is installed in a 50 mm deep Batibox Cat.No 0 893 58 Surface mounted on ceiling using accessory Cat.No 0 488 75
1	0 489 21	<b>Special motion sensor for outdoor car parks and cellars</b> <b>Wall or ceiling mounted - surface mounting</b> Passive infrared detection with 270° adjustable head, range 20 m IP 55 Consumption 0.5 W Recommended fixing height: 2.5 m Can be fixed in a corner with a special accessory Cat.No 0 489 72
1	0 784 93	<b>Special motion sensors for small premises and bathrooms</b> Wall mounted - flush or surface mounting Recommended fixing height: 1.2 m Consumption 0.2 W Optimum distance between two sensors: 6 m <b>Mosaic</b> White 180° passive infrared detection, range 8 m IP 41 For use with Mosaic plate and Batibox support frame 2 modules
1	0 675 77	<b>Céliane</b> 180° passive infrared detection, range 8 m IP 41 For use with - cover plate Cat.No 0 682 99 (white) or 0 685 99 (titanium) - ring cover Cat.No 0 680 00 (white) or 0 683 00 (titanium) - a Céliane plate - a Batibox support frame
1	5 740 37	<b>Arteor</b> 180° passive infrared detection, range 8 m IP 41 - Céliane Arteor plate
1	5 740 79	- a Batibox support frame ○ White ● Magnesium
1	0 675 77	<b>Valena</b> 180° passive infrared detection, range 8 m IP 41 For use with - Valena Life cover plate Cat.No 7 548 84 (white), 7 548 93 (Ivory), 7 548 94 (Aluminium) - Valena Allure cover plate Cat. No 7 549 03 (white), 7 549 04 (Ivory), 7 549 13 (Aluminium) - a Valena plate - a Batibox support frame

Pack	Cat.Nos	Special motion sensor for small premises and bathrooms (continued)
1	HD4658KNX	<b>Axolute</b> 180° passive infrared detection, range 8 m IP 41 For use with: - an Axolute plate - an Axolute support frame White
1	HS4658KNX	Anthracite
1	HC4658KNX	Tech
1	N4658KNX	<b>Livinglight</b> 180° passive infrared detection, range 8 m IP 41 For use with: - a Livinglight plate - a Livinglight support frame White
1	L4658KNX	Anthracite
1	NT4658KNX	Tech
1	0 489 18	<b>Special presence sensors for work areas</b> Suitable for meeting rooms, classrooms, open areas, etc. <span style="background-color: #ADD8E6; padding: 2px;">Dual technology</span> <b>Ceiling mounted</b> 360° passive infrared and ultrasound detection, range 8 m IP 20 Consumption 0.5 W Optimum distance between two sensors: 6 m Fixes directly in suspended ceiling with springs (supplied) or is installed in a 50 mm deep Batibox Surface mounted on ceiling using accessory Cat.Nos 0 488 75 Connection by KNX red/black connector
1	0 489 22	360° passive infrared detection with high density lens range 8 m IP 20 Consumption 0.5 W Optimum distance between two sensors: 6 m Fixes directly in suspended ceiling with springs (supplied) or is installed in a 50 mm deep Batibox Surface mounted on ceiling using accessory Cat.No 0 488 75 Connection by KNX red/black connector
1	0 489 20	<b>Wall mounted - surface mounting</b> 180° passive infrared and ultrasound detection, front range 8 m IP 42 Consumption 0.5 W Recommended fixing height: 2.5 m Optimum distance between two sensors: 10 m Can be fixed in a corner with a special accessory Cat.No 0 489 71

# Controllers

## false ceiling and modular BUS/KNX



0 488 88



0 484 22

Connected with the BUS/KNX cable  
Configuration using ETS programming software

Pack	Cat.Nos	False ceiling controllers for dimming
1	<b>JAN 2017</b> 0 488 88	Each output can be controlled by a sensor and/or BUS/KNX control unit <b>For DALI protocol</b> 4 outputs 32 ballasts maximum per output
1	<b>JAN 2017</b> 0 488 87	<b>For 1-10 V ballast</b> 4 outputs 1000 VA maximum per output Also controls four ON/OFF circuits
<b>Modular controllers for dimming</b>		
1	<b>JAN 2017</b> 0 026 98	Each output can be controlled by a sensor and/or BUS/KNX control unit <b>For DALI protocol</b> 2 outputs Individually controls 64 ballasts per channel in a maximum of 16 groups 6 17.5 mm DIN modules
1	0 026 63	8 outputs 16 ballasts maximum per output 4 17.5 mm DIN modules
1	<b>JUN 2017</b> 0 026 54	2 outputs 2 x 300 W/VA maximum per output 4 17.5 mm DIN modules
1	0 026 59	<b>LED and all others LV and ELV loads</b> 2 outputs 2 x 400 W/VA maximum per output or 1 x 800 W/VA For use with one or two extensions Cat.No 0 026 60 max. for four or six outputs. 4 17.5 mm DIN modules
1	0 026 60	<b>Controller extension 0 026 59</b> Adds two additional outputs to controller Cat.No 0 026 59 Maximum of two extensions per controller 4 17.5 mm DIN modules
1	<b>JAN 2017</b> 0 026 86	<b>For LV and ELV loads only</b> 2 outputs 2 x 500 VA maximum per output 8 17.5 DIN modules
1	0 026 87	4 outputs 4 x 500 VA maximum per output 12 17.5 mm DIN modules
1	<b>JAN 2017</b> 0 026 88	4 1-10 V outputs 8 17.5 mm DIN modules

Pack	Cat.Nos	Modular ON/OFF controllers
1	0 026 61	Each output can be controlled by a sensor and/or BUS/KNX control unit <b>8 A for lighting</b> 4 x 8 A outputs 4 17.5 mm DIN modules
1	0 026 62	8 x 8 A outputs 4 17.5 mm DIN modules
1	0 026 80	<b>16 A for lighting, sockets and electrical equipment</b> 4 x 16 A outputs 4 17.5 mm DIN modules
1	0 026 81	8 x 16 A outputs 8 17.5 mm modules
1	0 026 82	12 x 16 A outputs 12 17.5 mm modules
<b>Modular controller for roller shutters</b>		
1	0 026 91	Each output can be controlled by a sensor and/or BUS/KNX control 4 x 2.1 A outputs 4 17.5 mm modules
<b>Room Controller Unit</b>		
1	0 484 18	Power modules equipped with output contacts for controlling: - different types of ON/OFF load (lighting, roller shutters, contactors, motors, etc.) - a DALI dimming output for 64 ballasts max. Loads are managed by the controls to which they are linked: either by BUS/KNX controls, or by wired connection input terminals (switches, push-buttons, volt-free contacts). Multiphase connection and consumption measurement. 8 inputs - 10 outputs 8 17.5 mm DIN modules
1	0 484 22	16 inputs - 16 outputs 12 17.5 mm DIN modules

# Infrastructure products

## BUS/KNX



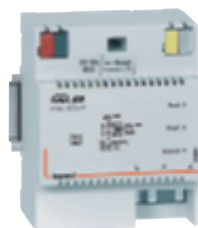
0 026 55



0 026 93



0 035 16



0 035 12



0 035 43

Connected with the BUS/KNX cable  
Configuration using ETS programming software


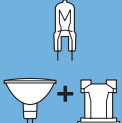


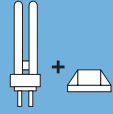

Pack	Cat.Nos	<b>BUS/KNX interface - voltage contact</b>
1	0 026 55	<b>Modular</b> Connects voltage free contacts devices (switches, push-buttons, alarms, etc.) to the BUS/KNX 8 inputs 6 17.5 mm modules
1	0 026 93	Connects 0 to 265 AC/DC powered contacts devices 2 17.5 DIN modules
1	0 026 92	<b>Flush mounting</b> For installation in a flush-mounting box 4 inputs - 4 outputs
1	0 026 50	<b>Scenario module</b> Able to perform up to 8 scenarios and 8 events programs 1 17.5 mm module
1	0 035 16	<b>Line coupler</b> Provides galvanic isolation between lines Necessary in an installation where there are more than 64 KNX participants 2 17.5 mm DIN modules

Pack	Cat.Nos	<b>BUS/KNX - USB interface</b>
1	0 035 47	Connects a PC to the BUS/KNX via the USB port 1 17.5 mm DIN module
1	0 035 12	<b>Modular power supplies</b> Powers one BUS/KNX line Integrated filter to prevent the short-circuit of BUS messages Connection by automatic terminals 4 17.5 mm DIN modules Voltage 120-230 V~ - 29 V=
1	0 026 94	With additional 29 V unfiltered output 320 mA 640 mA 6 17.5 mm DIN modules Voltage 120V~ 230 VAC - 29 V=
1	0 035 43	<b>IP communication module</b> BUS/KNX - IP gateway 2 functions: - IP interface: makes the link between the BUS/KNX infrastructure and the IP network for remote configuration using ETS software - Web communication interface for remotely managing via a dedicated Web page Allows operation from off site 4 17.5 mm DIN modules
1	0 026 38	<b>IP/KNX router</b> Can acts as main line or backbone coupler Links different KNX networks to each other via the IP infrastructure 2 17.5 mm DIN modules
1	0 488 79	<b>BUS/KNX connector</b> Black and red Supplied in boxes of 50
1	0 492 91	<b>BUS/KNX cables</b> Length 500 m 0.8 mm dia. quad Isolation 4000 V 1 pair: red/black
1	0 492 92	2 pairs: red/black and yellow/white

# Controllers

## BUS/KNX load tables

### Load table at 230 V a.c. 50-60Hz



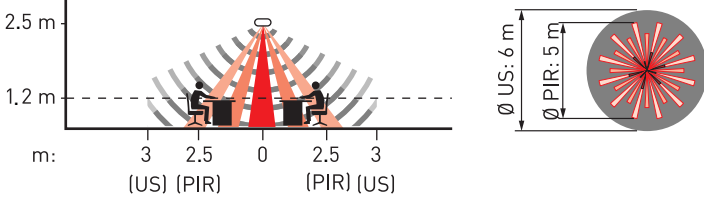


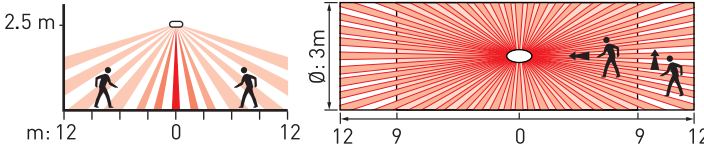


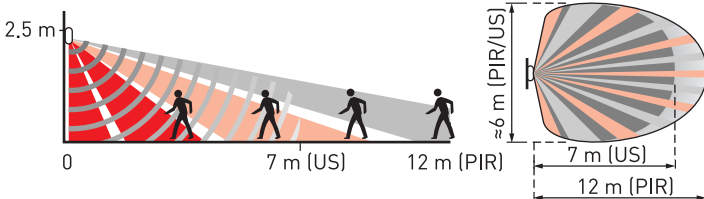


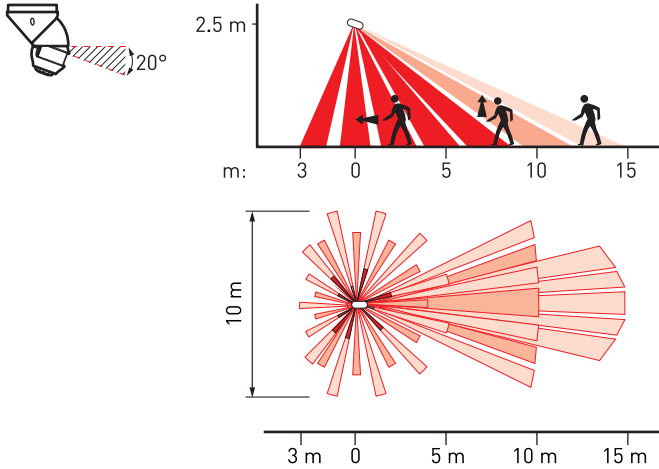


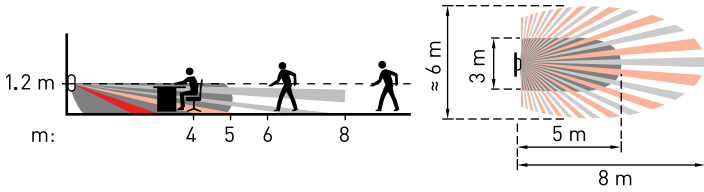


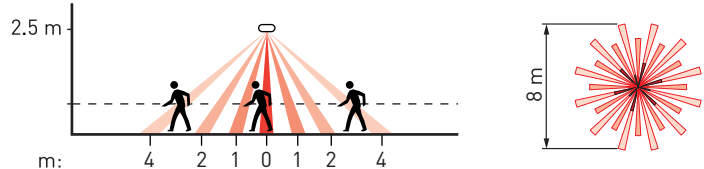
Cat.Nos	Outputs						DALI	
		Halogen lamp	ELV halogen lamp with ferromagnetic or electronic transformer	Fluorescent tube	LED and compact fluorescent lamp	Fluorescent lamp with 1-10 V ballast		
<b>False ceiling controllers</b>								
0 488 88	4	-	-	-	-	-	4 x 32 ballasts	-
0 488 87	4	4 x 800 W	4 x 800 VA	4 x 1000 VA	4 x 1000 VA	4 x 1000 VA	-	-
<b>Modular controllers</b>								
0 026 98	2	-	-	-	-	-	2 x 64 ballasts	-
0 026 63	8	-	-	-	-	-	8 x 8 ballasts	-
0 026 54	2	2 x 300 W	2 x 200 VA	2 x 300 VA	2 x 75 W	-	-	-
0 026 59	2	2 x 400 W	2 x 80 W	-	2 x 60 VA(*)	-	-	-
0 026 91	4	-	-	-	-	-	-	4 x 6 A
0 026 61	4	4 x 2000 W	4 x 500 VA	4 x 500 VA	4 x 500 VA	-	-	-
0 026 62	8	8 x 2000 W	8 x 500 VA	8 x 500 VA	8 x 500 VA	-	-	-
0 484 18	4	4 x 500 W	4 x 250 VA	4 x [2 x (2 x 36 W)]	4 x 80 VA	-	1 x 64 ballasts	4 x 250 VA
	4	4 x 1000 W	4 x 500 VA	4 x [4 x (2 x 36 W)]	4 x 160 VA	-		4 x 500 VA
	2	2 x 3680 W	2 x 1000 VA	2 x [10 x (2 x 36 W)]	2 x 500 VA	-		2 x 500 VA
0 484 22	4	4 x 500 W	4 x 250 VA	4 x [2 x (2 x 36 W)]	4 x 80 VA	-	1 x 64 ballasts	4 x 250 VA
	8	8 x 1000 W	8 x 500 VA	8 x [4 x (2 x 36 W)]	8 x 160 VA	-		8 x 500 VA
	4	4 x 3680 W	4 x 1000 VA	4 x [10 x (2 x 36 W)]	4 x 500 VA	-		4 x 500 VA
0 026 80	4	4 x 3680 W	4 x 1000 VA	4 x [10 x (2 x 36 W)]	4 x 500 VA	-	-	4 x 500 VA
0 026 81	8	8 x 3680 W	8 x 1000 VA	8 x [10 x (2 x 36 W)]	8 x 500 VA	-	-	8 x 500 VA
0 026 82	12	12 x 3680 W	12 x 1000 VA	12 x [10 x (2 x 36 W)]	12 x 500 VA	-	-	12 x 500 VA
0 026 86	2	2 x 500 W	2 x 500 W	-	-	-	-	-
0 026 87	4	4 x 500 W	4 x 500 W	-	-	-	-	-
0 026 88	4	4 x 1000 VA	-	4 x 1000 VA	-	4 x 1000 VA	-	-

\*: Compatible with dimmable LED and compact fluorescent lamps

- ON/OFF
- Dimming
- Automation

## Sensors

### BUS/KNX coverage patterns

Cat. Nos	Installation technology type	Range	Detection area	Examples of applications
 0 489 18		6 m (US) 5 m (PIR)		Classroom, meeting room, open plan office
 0 489 19		2 x 12 m		Long corridor
 0 489 20		7 m (US) 12 m (PIR)		Individual office, classroom, meeting room, restrooms etc.
 0 489 21		18 m		High ceiling areas (warehouses, gymnasium) outdoor car park, basement, laboratory
 0 784 93 - 0 675 77 - 5 740 37 5 740 79 - HC4658KNX HD4658KNX - HS4658KNX L4658KNX - N4658KNX NT4658KNX		8 m		Bathroom, stairways
 0 489 22		8 m		Individual office, corridor, stairways, restrooms etc.



# BUS/KNX: overall control of the building

Apart from local control, BUS/KNX wiring allows other building applications to be supervised and integrated: emergency lighting, HVAC, fire alarm, etc. It is ideal for meeting energy and operating performance needs and easy maintenance.

## 2 SOLUTIONS FOR ACTIVE BUILDING MANAGEMENT

### > View, control, be warned

Supervision software for Legrand applications: energy metering, lighting management, guest room management, emergency lighting



### > Interact

The IP device allows Legrand and other applications to interact with one another. And /or to integrate Legrand applications into a Building Management System



0 490 04

For overall building management

Operates with:

- the metering offer: uses RS 485/IP converter Cat.No 0 046 89
- the BUS/KNX lighting offer, with KNX/IP converter Cat.No 0 035 43
- the emergency lighting offer with addressable unit control interface Cat.No 0 626 00

Pack	Cat.Nos	Legrand Supervision software
		Supervision software which displays operating screens for digital buildings: Provides button for controlling Displays values measures and the status of connected products Alarm management console Timer programming Is installed permanently on a dedicated PC Integrated assisted mode facilitating execution of the project plus display screens: pre-programming of Legrand solutions (electrical consumption measurement, lighting management, emergency lighting, fire alarms) Expert mode for handling third-party equipment (HVAC) and for customizing display screens
1	0 490 00	Ready to view, up to 125 points
1	0 490 01	Ready to view, up to 250 points
1	0 490 02	Ready to view, up to 500 points
1	0 490 03	Ready to view, up to 1000 points
1	0 490 04	Ready to view, up to 2000 points
		<b>Building manager</b>
1	0 035 44	IP device designed for the automated control of IP device buildings requiring interoperability between the different systems connected or requiring Legrand solutions to be integrated in a BMS: - Legrand solutions: lighting management, emergency lighting, power metering - other solutions: HVAC, etc. Provides: - data collection from the various systems: IP KNX, IP MODBUS, IP BACNET, IP SCS - programming of scripts (with algorithm), alarms and data history - exchange of collected data between systems (example: display on digital screen of power circuit consumption measurements) - sending of email alerts Is installed in the VDI rack with dedicated patching to the various applications in the system Can be linked to Supervision software Cat.Nos 0 490 00/01/02/03/04 for an overview of the installation

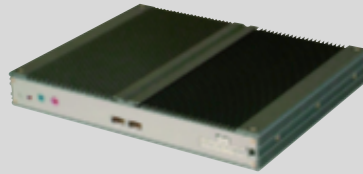


For configuration in expert mode,  
**Contact your sales department**

# Building management

## active building management

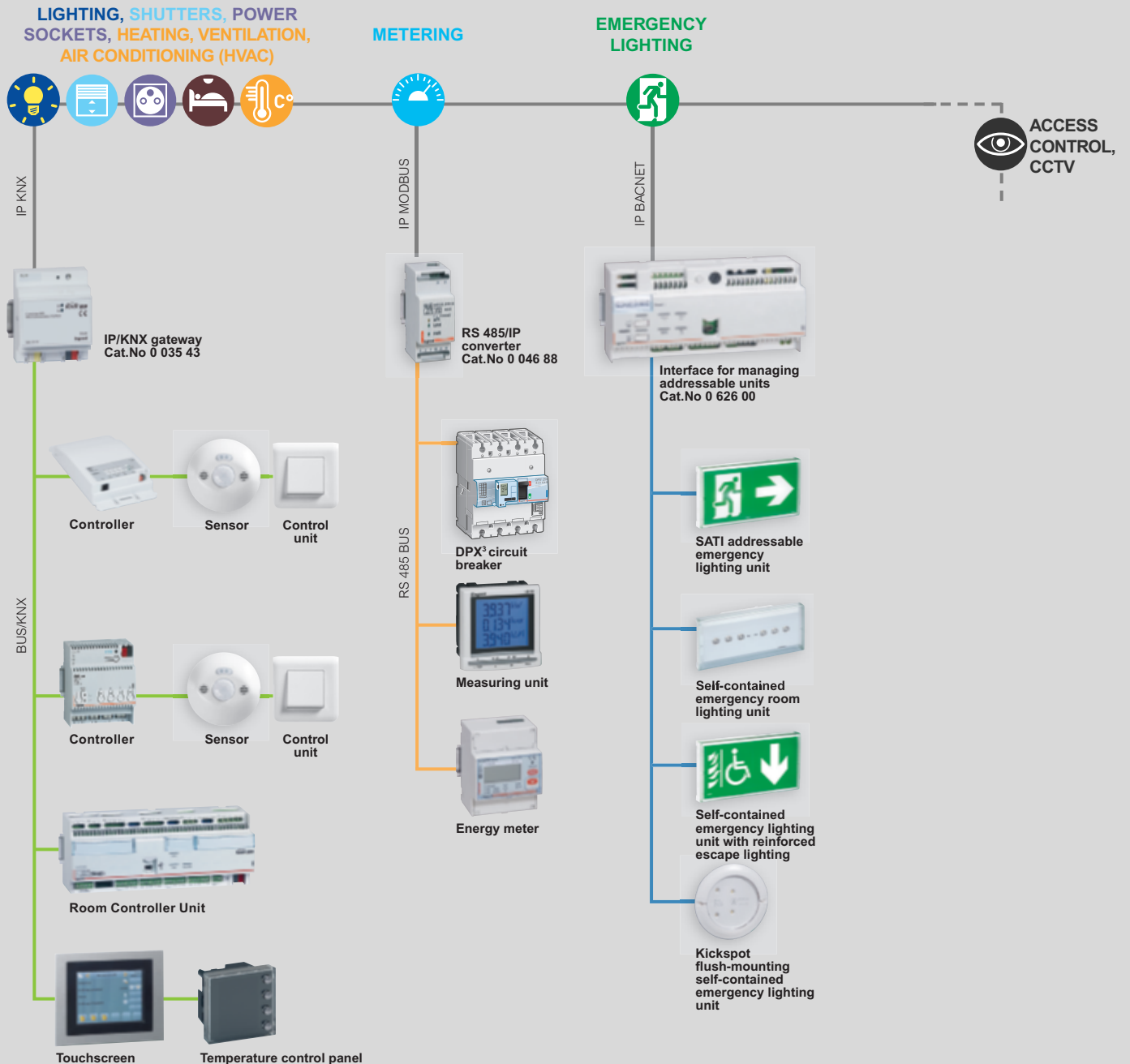
### Active building management with Legrand or other systems



**1st example:** Active building management using Supervision software Cat.Nos 0 490 00/01/02/03/04 providing displays, analyses and alerts

**2nd example:** Active building management using building manager decision maker Cat.No 0 035 44 for interaction between connected systems and integration of those systems into a BMS:  
 - Legrand solutions: lighting management, emergency lighting, power metering  
 - other solutions: HVAC, etc.

### Example: Lighting management + power metering + emergency lighting





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50	-	1	92	-	1	80	-	5	71	-	5
54	43	1	<b>0 674 00</b>			88	-	5	72	-	5
55	-	1	0 674 64	41	1	<b>0 685 00</b>			73	-	5
59	-	1	<b>0 675 00</b>			0 685 02	33	10	74	-	5
60	-	1	0 675 70	32	1	03	-	10	75	-	5
61	-	1	71	-	1	04	-	1	76	-	5
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92	44	1	48	-	5	94	32	1	86	-	5
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94	-	1	50	-	5	96	-	1	88	-	5
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79	44	1	59	-	5	5 742 03	32	1	10	-	5
87	43	1	69	-	5	<b>5 743 00</b>			11	-	5
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<b>0 489 00</b>			81	-	10	47	-	5	13	-	5
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<b>7 521 00</b>			31	-	1	27	-	1	HC4911/2AI	-	1
7 521 47	41	1	32	-	1	28	-	1	HC4911/2BA	-	1
<b>7 527 00</b>			33	-	1	29	-	1	HC4911/2BC	-	1
7 527 47	41	1	34	-	1	30	-	1	HC4911AD	-	1
<b>7 549 00</b>			40	-	1	36	36	1	HC4911AF	-	1
7 549 30	37	1	41	-	1	37	-	1	HC4911AG	-	1
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71	-	1	01	-	1	74	-	1	HC4915AE	-	1
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HC4915BL	-	1	HS4680KNX	37	1	L4911M2AHN	-	1	N4915M2DN	-	1
HC4915DD	-	1	HS4911	39	1	L4911M2AIN	-	1	N4915M2FN	-	1
HC4915M2BL	-	1	HS4911/2	-	1	L4911M2N	-	1	N4915M2LN	-	1
HC4915M2DD	-	1	HS4911/2AF	40	1	L4911M2TN	-	1	N4915M2TN	38	1
HC4915MR	-	1	HS4911/2AG	-	1	L4911N	-	1	N4915MR	37	1
HD4657M3KNX	37	1	HS4911/2AH	-	1	L4911TN	-	1	N4915SETBL	38	1
HD4658KNX	42	1	HS4911/2AI	-	1	L4915AN	37	1	N4915TN	-	1
HD4680KNX	37	1	HS4911/2BA	-	1	L4915BN	-	1	NT4658KNX	42	1
HD4911	39	1	HS4911/2BC	-	1	L4915DD	-	1	NT4680KNX	37	1
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HD4911AG	-	1	HS4911AG	-	1	L4915KIT	38	1	NT4911AGN	-	1
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HD4911AI	-	1	HS4911AI	-	1	L4915M2AN	-	1	NT4911AIN	-	1
HD4911BA	-	1	HS4911BA	-	1	L4915M2BN	-	1	NT4911BFN	-	1
HD4911BC	-	1	HS4911BC	-	1	L4915M2DD	-	1	NT4911M2AFN	-	1
HD4911BE	-	1	HS4911BE	-	1	L4915M2DN	-	1	NT4911M2AGN	-	1
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HD4915	39	1	HS4915/2BB	-	1	LN4651KNX	37	1	NT4915BN	-	1
HD4915AA	40	1	HS4915/2BC	-	1	LN4691KNX	41	1	NT4915DD	-	1
HD4915AB	-	1	HS4915/2BE	-	1	N4658KNX	42	1	NT4915DN	-	1
HD4915AC	-	1	HS4915/2BF	-	1	N4680KNX	37	1	NT4915FN	-	1
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HD4915BB	-	1	HS4915AD	-	1	N4911AHN	-	1	NT4915M2BN	-	1
HD4915BC	-	1	HS4915AE	-	1	N4911AIN	-	1	NT4915M2DD	-	1
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HD4915BE	-	1	HS4915BB	-	1	N4911M2AFN	-	1	NT4915M2FN	-	1
HD4915BF	-	1	HS4915BC	-	1	N4911M2AGN	-	1	NT4915M2N	-	1
HD4915BL	-	1	HS4915BE	-	1	N4911M2AHN	-	1	NT4915M2TN	38	1
HD4915DD	-	1	HS4915BF	-	1	N4911M2AIN	-	1	NT4915MR	37	1
HD4915M2	39	1	HS4915BL	-	1	N4911M2N	-	1	NT4915N	-	1
HD4915M2AA	40	1	HS4915DD	-	1	N4911M2TN	-	1	NT4915N	-	1
HD4915M2AB	-	1	HS4915M2BL	-	1	N4911N	-	1	NT4915SETBL	38	1
HD4915M2AC	-	1	HS4915M2DD	-	1	N4911TN	-	1	NT4915TN	-	1
HD4915M2AD	-	1	HS4915MR	-	1	N4915AN	37	1			
HD4915M2BA	-	1	L4658KNX	42	1	N4915BN	-	1			
HD4915M2BB	-	1	L4680KNX	37	1	N4915DD	-	1			
HD4915M2BC	-	1	L4911ADN	38	1	N4915DN	-	1			
HD4915M2BE	-	1	L4911AFN	-	1	N4915KIT	38	1			
HD4915M2BF	-	1	L4911AGN	-	1	N4915KIT	-	1			
HD4915M2BL	-	1	L4911AHN	-	1	N4915LN	37	1			
HD4915M2DD	-	1	L4911AIN	-	1	N4915M2ADN	-	1			
HD4915MR	-	1	L4911BFN	-	1	N4915M2AN	-	1			
HS4657M3KNX	37	1	L4911M2AFN	-	1	N4915M2BN	-	1			



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**Head office**  
and International Department  
87045 Limoges Cedex - France  
Tel. + 33 (0) 5 55 06 87 87  
Fax + 33 (0) 5 55 06 74 55