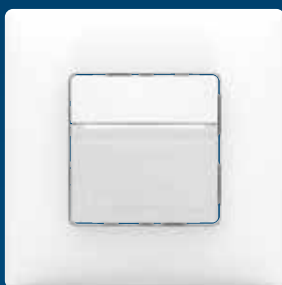


NEW

# Products autumn 2019

Versatile.  
Invisible.  
Clever.



Motion/presence detector  
theMura



Flush-mounted  
universal dimmer  
DIMAX 544 plus P



Remote access  
LUXORliving  
Theben Cloud

# Versatility can be so attractive and clever

Flush-mounted wall detectors can be placed particularly unobtrusively inside the room. That's good. It is even better if their attractive design blends harmoniously into the room ambience. If they can be used universally for virtually all switch ranges from leading manufacturers. And if you can use 2-wire or 3-wire devices for your specific application.

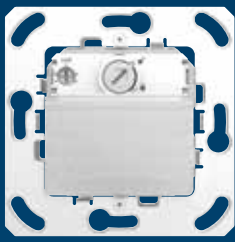
How's that work? Simple and perfectly shaped with Theben's theMura flush-mounted motion and presence detectors. Thanks to the extra-flat design, they have a strikingly unobtrusive appearance everywhere. And due to a wide range of available accessory sets, they can be used for every common switch range.



## Highlights at a glance

- Attractive, flat design
- Large detection area of 14 x 17 m
- Flexible extension thanks to master-slave
- Integrated button (can be deactivated)
- Thanks to accessory sets, theMura fits perfectly into the specified switch range

# Universal geniuses for energy-efficient lighting control



theMura base unit  
(theMura S180 ... B UP)



e.g. BJ  
adapter frame +  
button cover  
(Item no. 9070788)



BJ balance SI  
frame (not included  
in scope of delivery!)



Theben theMura flush-mounted motion and presence detectors can be used universally for switch ranges of all leading manufacturers. The scope of delivery depends on the respective switch range. Additional information at [www.theben.de/theMura](http://www.theben.de/theMura)

Energy-efficient lighting control can be so simple and flexible!

## Motion and presence detectors



**Two in one:**  
with integrated  
button

By using the integrated button, the lighting can be switched on or off manually. If the function is not required, simply deactivate it.



**Perfectly safe:**  
Staircase light  
function

With theMura, nobody trips up. Not even on the stairs. The light can be switched on using the button, but it only goes off when there is no more movement on the stairs. It prevents you from being left in the dark, because someone turned off the lights.



**Clever:**  
Teach-in  
function

Lighting conditions change quickly – so it's good when you can simply save them when they are exactly how you want them. With the teach-in function, the current lux value can be permanently saved. Without specialist knowledge. By the end user. It couldn't be easier.

## Presence detector



**Leading the way:**  
orientation light

The orientation light ensures greater safety in corridors and staircases. After the main light has been switched off automatically, it remains activated for an adjustable time delay or permanently (depending on brightness). Safety first.



**Hear ye, hear ye:**  
acoustic function

In rooms like bathrooms, it can make sense to let the noise level decide whether the light should be switched off or not. With theMura, you can also set the time delay using the integrated microphone. It's pretty handy.



**Remote-controlled: via**  
remote control or app

To be able to use all functions, theSenda B remote control is used in combination with the free theSenda Plug app.

# Premium class!

## DIMAX 544 plus P

### flush-mounted universal dimmer



#### Functions



##### Compact housing

For convenient installation in the flush-mounted box



##### Adjustable dimming response

For ideal dimming of LEDs



##### Ideal for LEDs

Thanks to optimised zero-cross switching



##### Password protection possible

Prevents unauthorized access to your devices



##### Handy memory function

Saves the most recently set light level value



##### App for Android and iOS

Convenient operation via App



##### Load detection for R, L and C loads

To control ventilation systems



##### Individual lighting scenarios

Conveniently set up and call up via smartphone



##### Convenient snooze function

Lets you glide gently into the realm of dreams



##### Adjustable staircase light function

With optimized switch-off pre-warning

## Highlights at a glance

- **Optimised for dimmable LEDs**  
Thanks to zero-cross switching and optimised dimming curves for various lamps
- **Convenient control**  
Via button, switch or smartphone app
- **Practical comfort features**  
E.g. wake-up, snooze and staircase light function



**Minimum width. Maximum power.**

Thanks to the compact housing of only 44 x 44 x 20 mm, the new DIMAX can be quickly mounted in the flush-mounted box, even behind a switch.



**Safety first**

The switch-off pre-warning of DIMAX 544 plus P does not leave you standing in the dark in the staircase, but warns you by gently dimming the light.



**Adaptable anytime**

Hardly any other dimmer offers you so many options for controlling LEDs. This gives you control over the various dimming responses.



**Long range.**

**Easy programming.**

Call up the desired lighting scenarios conveniently via your smartphone. The MAXplus app is available for Android and iOS.

# Full control – simply via Internet

## Safe remote access via Theben Cloud

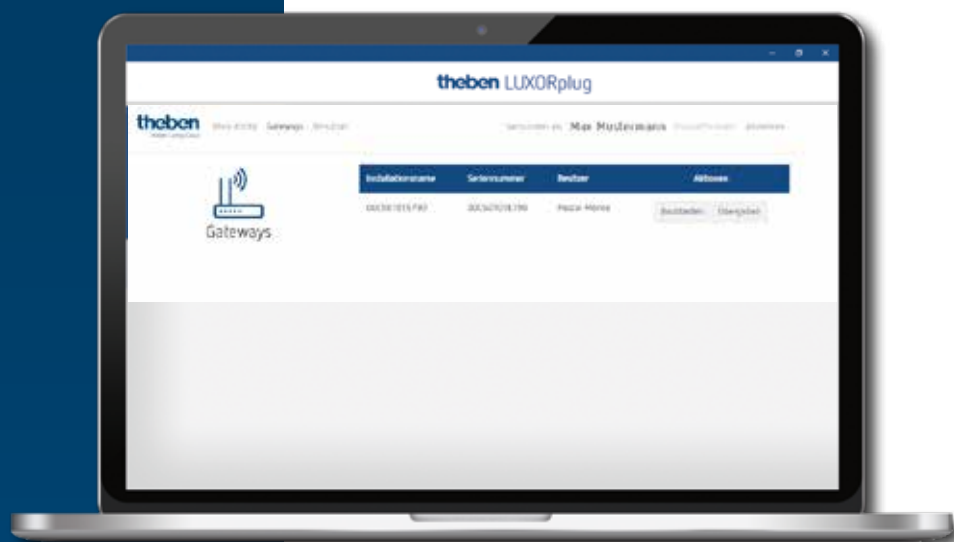
### There for you, always and everywhere.

By remote access, all LUXORliving functions can be controlled and statuses monitored via Theben Cloud using the LUXORplay app.

Start and configure access via the cloud with just a few clicks – without any network knowledge. Or you leave everything to your installer.



The easy programming and operation of LUXORliving is really hard to beat. Unless you additionally enable full access via the Internet. Welcome to Theben Cloud!



### Safety first

With Theben Cloud, you can play it safe thanks to the certified server location in Germany. In this way, your LUXORliving Smart Home System is optimally protected against data theft and manipulation.

Convenient: After logging in to Theben Cloud, you can edit the names of your gateways or add additional users.

# Extend Smart Home? No problem! LUXORliving flush-mounted wireless actuators

With the new wireless actuators, Theben offers a practical way to extend an existing LUXORliving Smart Home system. This means, for example, that attachments or retrofitted awnings can be easily integrated into the existing wired system by wireless transmission.



Thanks to the media coupler, you can easily link wired and wireless components.

Buttons, window contacts and temperature sensors can be directly integrated via the inputs of the flush-mounted actuators. And if you prefer a wired KNX installation in the future, you simply continue to use all LUXORliving products. Sure and safe!



**Speaking of safety:** Communication between wireless actuators and lighting, blinds and heating is, of course, encrypted. That means: No chance for data theft and manipulation.



## LUXORliving D1 RF dimming actuator

The universal dimmer convinces not only with its automatic load detection, but also with even and stepless dimming of LED lamps.



## LUXORliving S1 RF switch actuator

The switch actuator is the flexible all-rounder for a wide range of applications thanks to its NO contact with zero-cross switching and a high switching capacity.



## LUXORliving J1 RF blind actuator

The blind actuator is suited for manual or automatic control of blinds, awnings, or roller blinds without extensive cabling.

# Secure wireless communication via KNX Data Secure

## KNX flush-mounted wireless actuators

### Highlights

#### Secure communication

The encryption according to KNX Data Secure standard effectively prevents interpretation of the sent data

#### Wide range of applications

Use depending on device for dimming (DU 1 RF KNX), for blinds/shading control (JU 1 RF KNX) or for switching loads with high inrush currents (SU 1 RF KNX)

#### Quick installation

Thanks to their compact design, the KNX flush-mounted wireless actuators fit into any switch/junction box

#### Flexible integration

With 2 external inputs for connecting button, signal contact or temperature sensor

With the new wireless actuators according to KNX standard „KNX RF1.R S-Mode“, Theben offers a convenient way to expand buildings with existing KNX system without much effort. Thus, even subsequent building or functional extensions can be easily integrated into the system.



Thanks to the new media coupler, you can easily link wired and wireless components.

Buttons, window contacts and temperature sensors can be directly integrated via the inputs of the flush-mounted actuators.

**Speaking of safety:** Communication between wireless actuators and lighting, blinds and heating is, of course, encrypted. That means: No chance for data theft and manipulation.





Theben AG is expanding its range of KNX RF products with new KNX RF flush-mounted actuators and media couplers. Thanks to encryption with KNX Data Secure, communication is optimally protected against interception and manipulation.



#### Dimming actuator DU1 RF KNX

The universal dimmer convinces not only with its automatic load detection, but also with even and stepless dimming of LED lamps.



#### Switch actuator SU1 RF KNX

The switch actuator is the flexible all-rounder for a wide range of applications thanks to its NO contact with zero-cross switching and a high switching capacity.

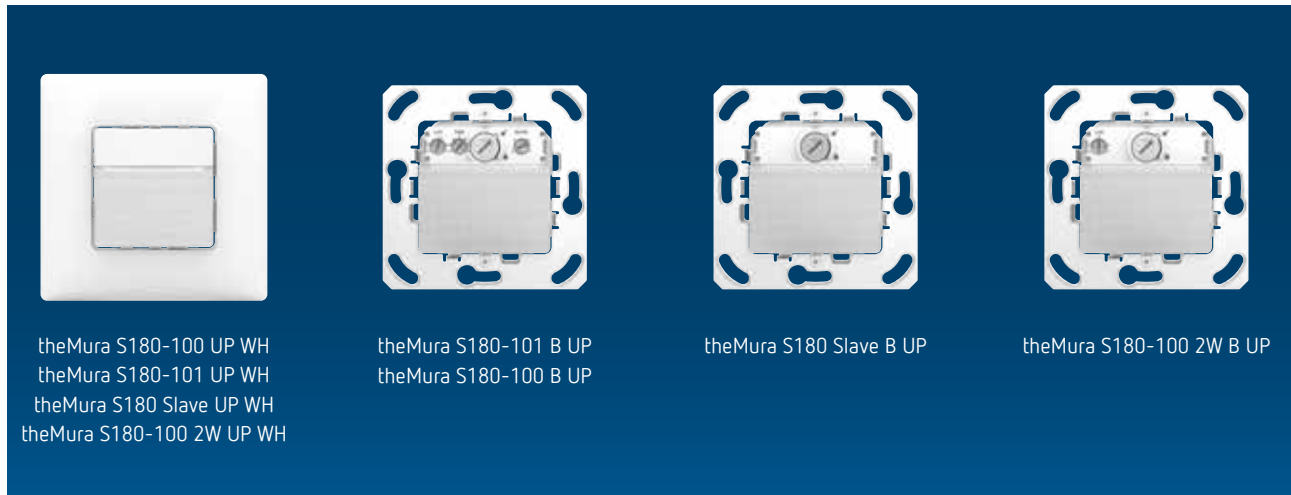


#### Blind actuator JU1 RF KNX

The blind actuator is suited for manual or automatic control of blinds, awnings, or roller blinds without extensive cabling.

# Presence and motion detectors

## Motion/presence detectors wall mounting



theMura S180-100 UP WH  
theMura S180-101 UP WH  
theMura S180 Slave UP WH  
theMura S180-100 2W UP WH

theMura S180-101 B UP  
theMura S180-100 B UP

theMura S180 Slave B UP

theMura S180-100 2W B UP

### Description

#### Common functions

- Passive infrared motion/presence detector for flush-mounted wall mounting
- Semicircular detection area 170°, up to 14x17 m
- Restriction of detection area possible
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs
- Integrated button (can be blocked)
- Available with Theben frame or without frame
- Adapter frames for common switch ranges available as accessory, see [www.theben.de/theMura](http://www.theben.de/theMura)

#### theMura S180-100 UP WH (with Theben frame) theMura S180-100 B UP (without frame)

- Motion detector,
- 1 channel light
- Fully or semi-automatic operation
- Adjustable brightness switching value, teach-in function
- Staircase light function
- Switch-on delay configurable
- Extension of detection area via master/slave switching
- Ready for immediate use due to factory presetting

#### theMura S180-101 UP WH (with Theben frame)

#### theMura S180-101 B UP (without frame)

- Presence detector
- 1 channel light
- 1 channel presence
- Fully or semi-automatic operation
- External button can be connected
- Adjustable brightness switching value, teach-in function
- Automatic calibration of brightness measurement
- Switch-on delay configurable
- Short-term presence
- Acoustic function
- Orientation light
- Configurable sensitivity
- External button can be connected
- Staircase light function
- Extension of detection area via master/slave switching
- Ready for immediate use due to factory presetting
- Remote operation with theSenda S, theSenda P, theSenda B

#### theMura S180 Slave UP WH

#### (with Theben frame)

#### theMura S180 Slave B UP (without frame)

- Slave version for:
  - theMura S180-100 UP WH
  - theMura S180-100 B UP
  - theMura S180-101 UP WH
  - theMura S180-101 B UP

#### theMura S180-100 2W UP WH

#### (with Theben frame)

#### theMura S180-100 2W B UP (without frame)

- Motion detector
- 1 channel light
- 2-wire version in combination with an ELPA staircase time switch for switching the lamp loads
- Adjustable brightness switching value, teach-in function
- Ideal for replacing existing buttons
- Switch-on delay configurable on the staircase time switch
- Parallel connection possible (up to 12 detectors towards an ELPA)

### Product selection

With Theben frame	Channel	Product type	Type	Item no.
√	Light	Motion detector	theMura S180-100 UP WH	2060650
	Light   Presence	Presence detector	theMura S180-101 UP WH	2060655
	Slave	Motion/presence detector	theMura S180 Slave UP WH	2060660
	Light (In combination with ELPA)	Motion detector	theMura S180-100 2W UP WH	2060670
-	Light	Motion detector	theMura S180-100 B UP	2060750
	Light   Presence	Presence detector	theMura S180-101 B UP	2060755
	Slave	Motion/presence detector	theMura S180 Slave B UP	2060760
	Light (In combination with ELPA)	Motion detector	theMura S180-100 2W B UP	2060770

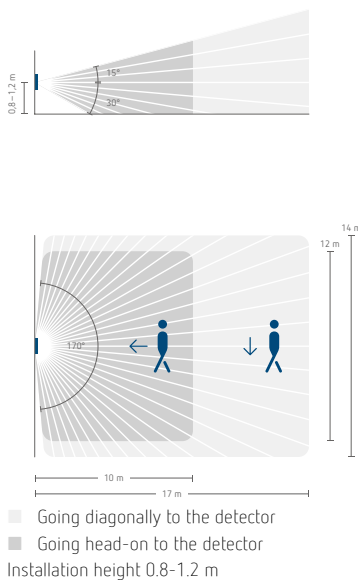
# Presence and motion detectors

## Motion/presence detectors wall mounting

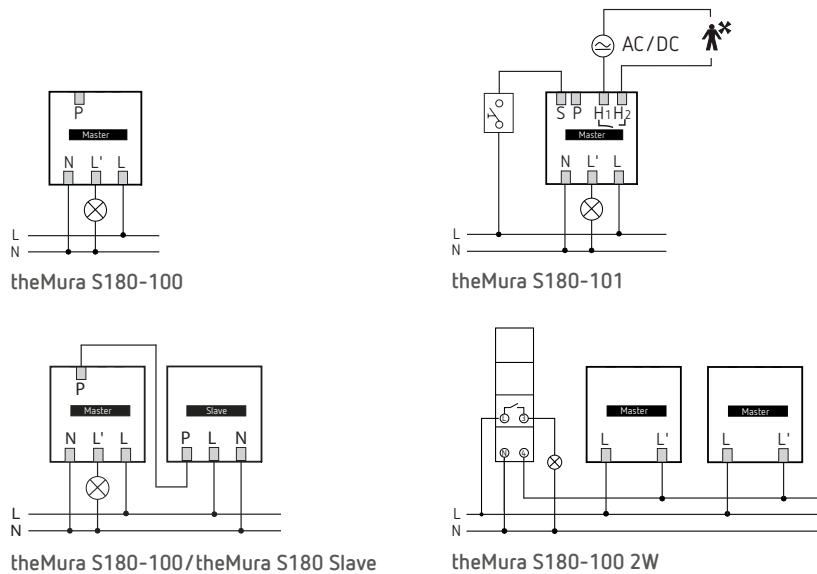
### Technical data

	theMura S180-100	theMura S180-101	theMura S180 Slave	theMura S180-100 2W
Operating voltage	230 V AC			
Frequency	50–60 Hz			
Standby output	0.4 W			
Brightness setting range	5–1000 lx	5–3000 lx	–	5–1000 lx
Lighting time delay	10 s – 30 min/pulse	10 s – 60 min/pulse	–	Pulse
Incandescent/halogen lamp load	2300 W		–	
LED lamp	< 2 W = 40 W   > 2 W = 450 W		–	
Presence switch-on delay	–	0 s – 10 min	–	
Presence time delay	–	10 s – 120 min	–	
Switching capacity presence	–	50 W / 50 VA	–	
Ambient temperature	–15 °C ... +45 °C			
Protection rating	IP 20			

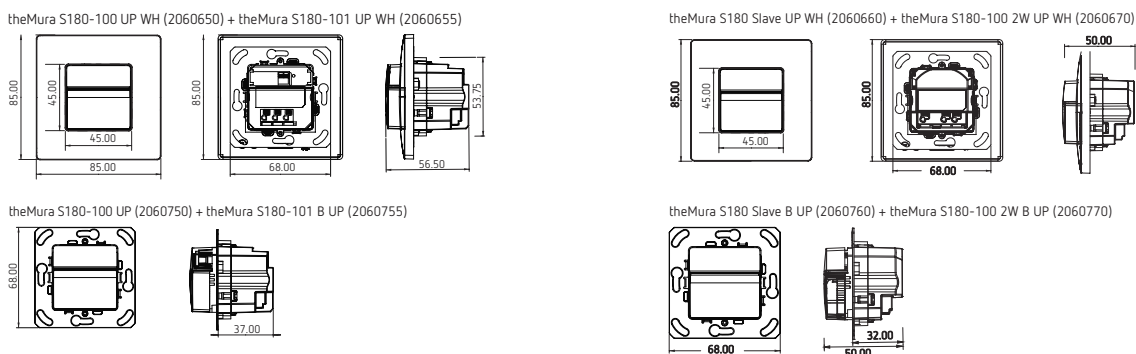
### Detection area



### Connection examples



### Scale drawings



### Accessories

#### theSenda B

↳ Item no.: 9070985

#### theSenda P

↳ Item no.: 9070910

#### theSenda S

↳ Item no.: 9070911

#### Cover frame theMura BJBSI WH

↳ Item no.: 070788

#### Cover frame theMura JAS WH

↳ Item no.: 9070789

#### Cover frame theMura BS WH

↳ Item no.: 9070792

#### Cover frame theMura MMP WH

↳ Art.Nr.: 9070790

#### Cover frame theMura GS WH

↳ Art.Nr.: 9070791

# House and building automation

## LUXORliving smart home system



### Description

#### LUXORliving S1 RF

- 1-way wireless flush-mounted switch actuator
- Encrypted wireless communication
- Adjustable features: NC/NO contact, switching, delayed switching, pulse function
- 2 binary inputs for floating contacts such as buttons, switches, temperature sensor (I2)
- The binary inputs are assigned to the switch output as standard (function test before programming)
- Integrated temperature monitoring for increased operating safety, e.g. in the event of overload

#### LUXORliving D1 RF

- 1-way wireless flush-mounted dimming actuator
- Encrypted wireless communication
- Optimised dimming output for dimmable energy-saving lamps, LEDs, incandescent and halogen lamps, and dimmable transformers.

- Easy to adapt to different lamps thanks to automatic load detection
- Adjustable dimming curve for precise and flicker-free dimming
- 2 binary inputs for floating contacts such as buttons, switches, temperature sensor (I2)
- The binary inputs are assigned to the dimming output as standard (function test before programming)
- Integrated temperature monitoring for increased operating safety, e.g. in the event of overload

#### LUXORliving J1 RF

- 1-way wireless flush-mounted blind actuator
- For controlling drives for blinds, roller blinds, sun and vision protection devices, skylights, and ventilation flaps
- Encrypted wireless communication
- Integrated automatic ventilation function

- 2 binary inputs for floating contacts such as buttons, switches, window contacts, temperature sensor (I2)
- The binary inputs are assigned to the output as standard (function test before programming)
- Integrated temperature monitoring for increased operating safety, e.g. in the event of overload

#### LUXORliving RF1

- Connects LUXORliving RF devices of a radio line with the twisted-pair bus
- Power supply via KNX bus voltage
- Supports long frames for "KNX Secure" and enables faster download of large applications in parallel
- Ranges of max. 30 m within the building are possible
- Has a repeater function, i.e. received telegrams are sent again to increase the range

### Product selection

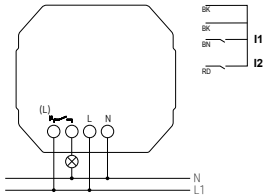
Configuration type	Number of channels	Type	Item no.
Switch actuator	1	LUXORliving S1 RF	4800620
Dimming actuator	1	LUXORliving D1 RF	4800670
Blind actuator	1	LUXORliving J1 RF	4800650
Media coupler TP-RF	-	LUXORliving RF1	4800868

### Technical data

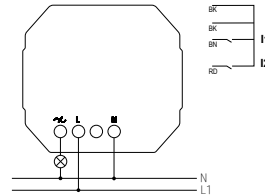
	LUXORliving S1 RF	LUXORliving D1 RF	LUXORliving J1 RF	LUXORliving RF1
Operating voltage		230 V AC		Bus voltage
Frequency		50–60 Hz		–
Switching capacity	10 A	–	5 A	–
Incandescent/halogen lamp load	1800 W	250 W	–	–
LED lamp	600 W	250 W	–	–

	LUXORliving S1 RF	LUXORliving D1 RF	LUXORliving J1 RF	LUXORliving RF1
Ambient temperature	-5 °C... +45 °C			
Protection rating	IP 20			
Protection class	II			III

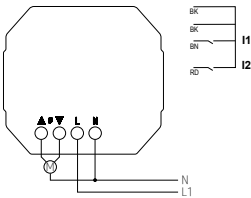
### Connection example



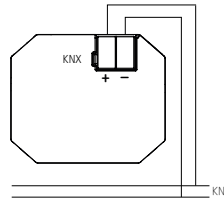
LUXORliving S1 RF



LUXORliving D1 RF



LUXORliving J1 RF



LUXORliving RF1

### Accessories



RAMSES IP65 temp. sensor  
↳ Item no.: 9070459

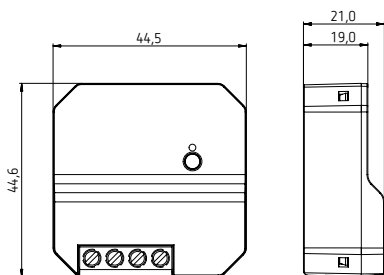


Floor sensor  
↳ Item no.: 9070321

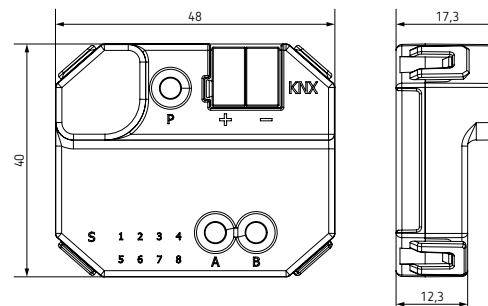


Flush-mounted temperature sensor  
↳ Item no.: 9070496

### Scale drawings



LUXORliving flush-mounted RF actuators



LUXORliving RF1

# House and building automation

## KNX, Flush-mounted actuators



### Description

#### SU 1 RF KNX

- 1-way wireless flush-mounted switch actuator
- Secure communication via KNX-RF with support of "KNX Data Secure"
- Adjustable features: NC/NO contact, switching, delayed switching, pulse function
- 2 binary inputs for floating contacts such as buttons, switches, temperature sensor (I2)
- The binary inputs are assigned to the switch output as standard (function test before programming)
- Integrated temperature monitoring for increased operating safety, e.g. in the event of overload

#### DU 1 RF KNX

- 1-way wireless flush-mounted dimming actuator
- Secure communication via KNX-RF with support of "KNX Data Secure"

- Optimised dimming output for dimmable energy-saving lamps, LEDs, incandescent and halogen lamps, and dimmable transformers.
- Easy to adapt to different lamps thanks to automatic load detection
- Adjustable dimming curve for precise and flicker-free dimming
- 2 binary inputs for floating contacts such as buttons, switches, temperature sensor (I2)
- The binary inputs are assigned to the dimming output as standard (function test before programming)
- Integrated temperature monitoring for increased operating safety, e.g. in the event of overload

#### JU 1 RF KNX

- 1-way wireless flush-mounted blind actuator
- For controlling drives for blinds, roller blinds, sun and vision protection devices, skylights, and ventilation flaps

- Secure communication via KNX-RF with support of "KNX Data Secure"
- Integrated automatic ventilation function
- 2 binary inputs for floating contacts such as buttons, switches, window contacts, temperature sensor (I2)
- The binary inputs are assigned to the output as standard (function test before programming)
- Integrated temperature monitoring for increased operating safety, e.g. in the event of overload

#### Media coupler TP-RF KNX

- Connects KNX RF devices of one radio line with the KNX bus twisted-pair
- Power supply via KNX bus voltage
- Supports long frames for "KNX Secure" and enables faster download of large applications in parallel
- Ranges of max. 30 m within the building are possible
- Has a repeater function, i.e. received telegrams are sent again to increase the range

### Product selection

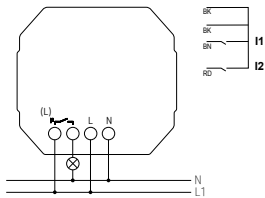
Configuration type	Number of channels	Type	Item no.
Switch actuator	1	SU 1 RF KNX	4941620
Dimming actuator	1	DU 1 RF KNX	4941670
Blind actuator	1	JU 1 RF KNX	4941650
Media coupler TP-RF KNX	-	Media coupler TP-RF KNX	9070868

### Technical data

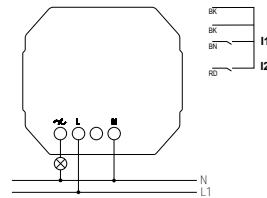
	SU 1 RF KNX	DU 1 RF KNX	JU 1 RF KNX	Media coupler TP-RF KNX
Operating voltage	230 V AC			Bus voltage
Frequency	50–60 Hz			–
Switching capacity	10 A	–	5 A	–
Incandescent/halogen lamp load	1800 W	250 W	–	–

	SU 1 RF KNX	DU 1 RF KNX	JU 1 RF KNX	Media coupler TP-RF KNX
LED lamp	600 W	250 W	–	–
Ambient temperature	–5 °C ... +45 °C			
Protection rating	IP 20			
Protection class	II			III

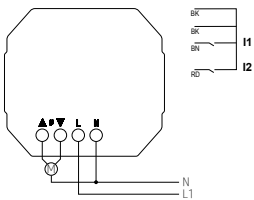
## Connection example



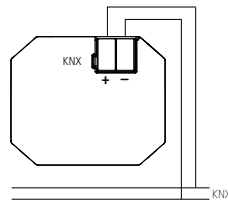
SU 1 RF KNX



DU 1 RF KNX



JU 1 RF KNX



Media coupler TP-RF KNX

## Accessories



RAMSES IP65 temp. sensor  
↳ Item no.: 9070459

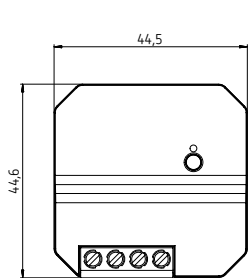


Floor sensor  
↳ Item no.: 9070321

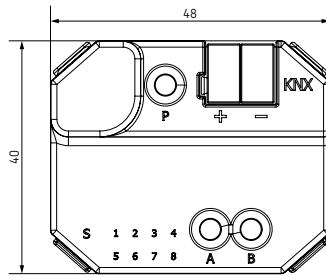
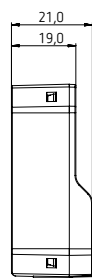


Flush-mounted temperature sensor  
↳ Item no.: 9070496

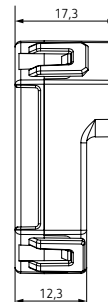
## Scale drawings



Flush-mounted RF KNX actuators



Media coupler TP-RF KNX



## Time and lighting control

### Digital time switches, DIN rail, astronomical and weekly program, 2 TE



SELEKTA 172 top3 RC

#### Description

- Astronomical time switch with weekly program
- 2 channels
- Time synchronisation option via connection of an external antenna, e.g. top2 RC-DCF or top2 GPS antenna; additional power unit required for GPS if only one device is connected to the antenna
- Channel switching and channel lock possible
- Astronomical switch function (automatic calculation of sunrise and sunset times for the whole year)
- Calculated astronomical switching times
- Programming by app possible
- 3 custom twilight ranges plus adjustable offset (sunset, twilight, darkness)
- Safe transfer via optional Bluetooth Low Energy with OBELISK top3
- Maximum security against tampering, time switch programs can only be transferred from the app to the timer if the Bluetooth OBELISK top3 is plugged into the timer
- 100% compatible with top2
- DuoFix load line connections
- Text-based user guidance on the display
- 84 memory locations
- Interface for OBELISK top2 memory card (PC programming)
- 10 year power reserve (lithium battery)
- Zero-cross switching for relay-saving switching and high lamp loads
- ON-OFF switching times
- Pulse program/astro pulse
- Switching pre-selection
- Permanent ON/OFF switching
- Integrated hour counter
- Holiday program
- Display lighting (can be turned off)
- PIN coding
- Automatic summer/winter time changeover

#### Product selection

Program	Program functions	Number of channels	Connection of external antenna possible	Operating voltage	Type	Item no.
Astronomical program, weekly program	ON-OFF	2	✓	110–230 V AC	SELEKTA 172 top3 RC	1720330

#### Technical data

SELEKTA 172 top3 RC	
Operating voltage	110–230 V AC
Frequency	50–60 Hz
Width	2 HP
Type of installation	DIN-rail
Type of contact	Changeover contact
Power reserve	10 years
Switching capacity at 250 V AC, $\cos \varphi = 1$	16 A
Switching capacity at 250 V AC, $\cos \varphi = 0.6$	10 A
Incandescent/halogen lamp load	2600 W
Compact fluorescent lamps	1100 W
LED lamp < 2 W	50 W
LED lamp > 2 W	600 W
Min. switching capacity	approx. 10 mA
Shortest switching time	1 s
Time accuracy at 25 °C	typically $\pm 0.25$ s/day (quartz) or DCF77/GPS
Standby output	0.8 W
Protection rating	IP 20
Protection class	II in accordance with EN 60730-1
Ambient temperature	-25 °C ... +55 °C



# Time and lighting control

## Digital time switches, DIN rail, astronomical and weekly program, 2 TE

### Accessories



OBELISK top2/3 PC set  
↳ Item no.: 9070409



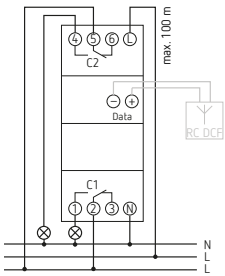
OBELISK top2 memory card  
↳ Item no.: 9070404



Bluetooth OBELISK top3  
↳ Item no.: 9070130

- Front panel mounting kit
- top2 RC–DCF antenna
- top2 RC-GPS antenna
- top2 GPS power unit
- 35 mm wall mounting kit

### Connection examples



SELEKTA 172 top3 RC

# Time and lighting control

## Twilight switches, Analogue, DIN rail



LUNA 110 plus

### Description

- Analogue twilight switch
- Comes with an external light sensor
- Adjustable On and Off switching delay
- Display of channel and switching status
- DuoFix load line connections
- Extended brightness level and adjustable delay time
- Zero-cross switching to avoid wear and tear to relay contact and lamp for prolonged service life
- Permanent OFF and permanent ON function can be set on the potentiometer
- Test function
- Freely adjustable switching brightness

### Product selection

Brightness setting range	On/off switching delay	Connection type	Operating voltage	Sensor (included)	Protection rating	Type	Item no.
2–50,000 lx	0–20 min	Load line connections	110–230 V AC	Flush-fitting light sensor	IP 20, sensor IP 66	LUNA 110 plus EL	1100900
				Surface-mounted light sensor	IP 20, sensor IP 55	LUNA 110 plus AL	1100910

### Technical data

LUNA 110 plus	
Operating voltage	110–230 V AC
Frequency	50–60 Hz
Standby output	0,4 W
Brightness setting range	2–50,000 lx
Switch-on delay	0–20 min
Switch-off delay	0–20 min
Width	2 HP
Switching capacity	16 A (at 250 V AC, $\cos \phi = 1$ ), 16 AX (fluorescent lamp load)
Incandescent/halogen lamp load	2600 W
LED lamp < 2 W	50 W
LED lamp > 2 W	600 W
Ambient temperature	–25 °C ... +55 °C
Protection class	II

### Accessories

#### Front panel mounting kit

↳ Item no.: 9070001

#### Surface-mounted light sensor plus

↳ Item no.: 9070991

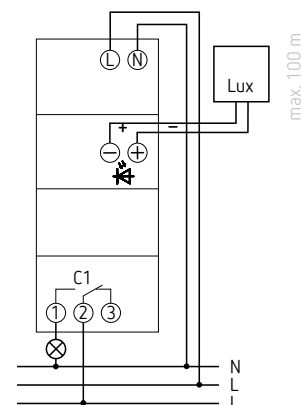
#### Flush-fitting light sensor plus

↳ Item no.: 9070990

#### Wall mounting kit

↳ Item no.: 9070064

### Connection example



# Time and lighting control

## Twilight switches, Wall mounting or mast installation



LUNA 127 star S

### Description

- Twilight switch with integrated light sensor
- Cable feed from the back and from below possible
- Test function
- Teach-in function
- Timer function (1 hour on)
- Switchable brightness range: 2-100 / 100-2000 lux
- Captive screws
- Large terminal area
- Brightness value can be set without opening the device
- Large light exposure angle
- Freely adjustable switching brightness

### Product selection

Brightness setting range	On / off switching delay	Switching capacity at 230 V AC	Type	Item no.
2-2000 lx	2-100 s	16 (10) A AX	LUNA 127 star S	1270900

### Technical data

LUNA 127 star S			
Operating voltage	230 V AC	Switching capacity	16 A (at 250 V AC, $\cos \phi = 1$ ), 10 AX (fluorescent lamp load)
Frequency	50-60 Hz	Incandescent / halogen lamp load	2300 W
Standby output	0.7 W	LED lamp < 2 W	50 W
Brightness setting range	2-100 lx / 100-2000 lx	LED lamp > 2 W	600W
Switch-on delay	2-100 s	Ambient temperature	-35 °C ... +55 °C
Switch-off delay	2-100 s	Protection class	II

### Accessories

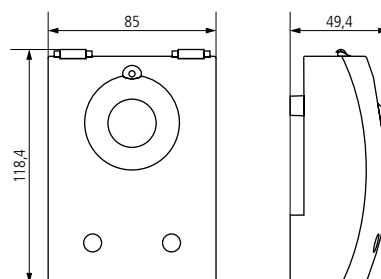
#### LUNA star bezel plate

↳ Item no.: 9070486

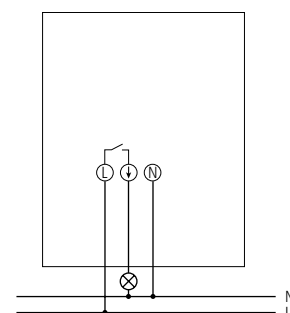
#### LUNA star adapter for mast installation

↳ Item no.: 9070793

### Scale drawings



### Connection example



# Time and lighting control

## Dimmer



DIMAX 544 plus P

### Description

- Universal dimmer for R, L and C loads with automatic load detection
- Operation by button or app via Bluetooth Low Energy
- Optimised settings for LEDs, incandescent lamps
- Easy installation thanks to a highly compact housing
- Ideal for all dimmable LEDs and halogen lamps
- Memory function saves the most recently set light level value and then dims to this value the next time it is switched on
- Convenient snooze function
- Adjustable minimum brightness for LEDs
- Adjustable dimming response
- Adjustable staircase light function
- App for Android and iOS
- Special load setting
- Sequential scenes
- Password protection possible
- "Gentle" lamp-conserving function for switching on and off
- Automatic detection of the load type
- Overheating protection against overload
- Short-circuit protection

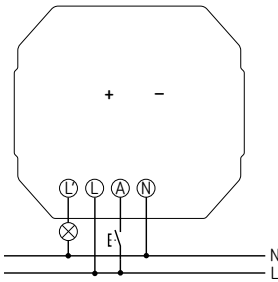
### Product selection

Load detection	Optimised for LEDs	Memory function	Settings via app possible	Type	Item no.
✓	✓	✓	✓	DIMAX 544 plus P	5440130

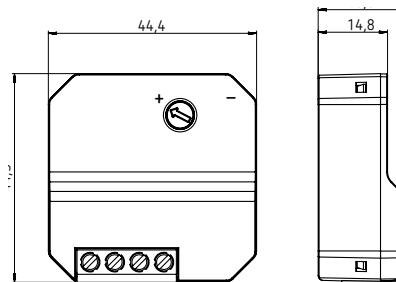
### Technical data

DIMAX 544 plus P			
Operating voltage	230 V AC	LED lamp	250 W (trailing edge)
Frequency	50–60 Hz	LED lamp	0–20 min
Standby output	0.2 W	Ambient temperature	–25 °C ... +45 °C
Incandescent/halogen lamp load	250 W (trailing edge)		

### Connection example



### Scale drawings



### Simple operation via app



- Intuitive programming without the need for prior experience and device monitoring on a high-resolution smartphone display
- Maximum protection against tampering and optimum data protection thanks to the local Bluetooth Low Energy connection. No Internet connection with cloud data storage, remote access and geofencing



## Description

### Common functions

- Digital clock thermostat for time-dependent monitoring and control of room temperature
- Suitable for energy-saving room temperature control in houses, apartments, etc.
- Operation via app
- Direct Bluetooth Low Energy (BLE) connection between the app and RAMSES BLE, no communication via the Internet
- Settings configured conveniently via the app with intuitive operation from a smartphone or tablet
- Increased user convenience
- Power supply via OpenTherm bus (clock thermostat)
- Mains version (control box)

### RAMSES 816 BLE 2

- Relay switch output at the control box (floating, 5 A) for heating ON/OFF

- Special function for device reset, relay closes briefly for time adjustable in seconds
- Modulation output 0-10 V
- Suitable for heaters with 0-10 V modulation input
- Suitable for heaters with device reset, input or master reset

### RAMSES 816 BLE 3

- 1 x relay 10 A floating, 1 x relay 5 A, floating, for heaters with 2-stage regulation
- Hysteresis adjustable between stage 1 and stage 2, (temperature difference between room ACTUAL and room SETPOINT value adjustable from 0.5 °C to 2.5 °C in 0.5 °C steps)
- Heating and cooling function possible
- Heating from 20 °C downwards with relay 1
- Cooling start temperatures (range 20-30 °C)
- Waiting time adjustable for change over between heating and cooling (1-50 h)

## Product selection

Connection type	Program	Temperature setting range	Type	Item no.
2-wire (BUS) room controller	Weekly program	+2 °C ... +30 °C	RAMSES 816 BLE 2	8169151
			RAMSES 816 BLE 3	8169152

## Technical data

RAMSES 816 BLE			
Operating voltage	OT bus   230 V AC, 50 Hz	Number of memory locations	42
Controller type	Hysteresis or pulse-duration controller	Power reserve	4 hours
Temperature setting range	+2 °C ... +30 °C	Protection rating	IP 20
Connection type	2-wire (BUS) room controller	Protection class	II in accordance with EN 60730-1

## Accessories



RAMSES IP65 temp. sensor  
↳ Item no.: 9070459



Floor sensor  
↳ Item no.: 9070321

## Simple operation via app



- Intuitive programming without the need for prior experience and device monitoring on a high-resolution smartphone display
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## Scale drawings



# Overview

## New products

### Motion/presence detector theMura

With Theben frame	Channel	Product type	Type	Item no.	Available	Replaces item
√	Light	Motion detector	theMura S180-100 UP WH	2060650	October 2019	1030030
	Light   Presence	Presence detector	theMura S180-101 UP WH	2060655	October 2019	-
	Slave	Motion/presence detector	theMura S180 Slave UP WH	2060660	October 2019	-
	Light (2-wire in combination with ELPA)	Motion detector	theMura S180-100 2W UP WH	2060670	October 2019	-
-	Light	Motion detector	theMura S180-100 B UP	2060750	October 2019	-
	Light   Presence	Presence detector	theMura S180-101 B UP	2060755	October 2019	-
	Slave	Motion/presence detector	theMura S180 Slave B UP	2060760	October 2019	-
	Light (2-wire in combination with ELPA)	Motion detector	theMura S180-100 2W B UP	2060770	October 2019	-
			Cover theMura BJBSI WH	9070788	October 2019	-
			Cover theMura JAS WH	9070789	October 2019	-
			Cover theMura MMP WH	9070790	October 2019	-
			Cover theMura GS WH	9070791	October 2019	-
			Cover theMura BS WH	9070792	October 2019	-
			Cover theMura Theben	9070798	October 2019	-

### LUXORliving components

Function	Type	Item no.	Available	Replaces item
Wireless flush-mounted switch actuator	LUXORliving S1 RF	4800620	November 2019	-
Wireless flush-mounted blind actuator	LUXORliving J1 RF	4800650	November 2019	-
Wireless flush-mounted dimming actuator	LUXORliving D1 RF	4800670	November 2019	-
Media coupler	LUXORliving RF1	4800868	November 2019	-

### KNX components

Function	Type	Item no.	Available	Replaces item
Wireless flush-mounted switch actuator	SU 1 RF KNX	4941620	November 2019	-
Wireless flush-mounted blind actuator	JU 1 RF KNX	4941650	November 2019	-
Wireless flush-mounted dimming actuator	DU 1 RF KNX	4941670	November 2019	-
Media coupler	Media coupler TP-RF KNX	9070868	November 2019	-
Temperature sensor	Flush-mounted temperature sensor	9070496	from stock	-

### top3 digital time switches

Program	Channels	Type	Item no.	Available	Replaces item
Weekly and astro program	2	SELEKTA 172 top3 RC	1720330	from stock	-

### LUNA twilight switches

Type of installation	Light sensor	Type	Item no.	Available	Replaces item
DIN-rail	Installation	LUNA 110 plus EL	1100900	from stock	1100200
DIN-rail	Construction	LUNA 110 plus AL	1100910	from stock	1100100
Wall	Installed	LUNA 127 star S	1270900	from stock	1270700 1280700
-		LUNA star adapter for mast installation	9070793	from stock	-

### DIMAX 544 plus P flush-mounted universal dimmers

Installation type	Dimming output max.	Type	Item no.	Available	Replaces item
Flush-mounted	250 W	DIMAX 544 plus P	5440130	from stock	5440001

### RAMSES BLE clock thermostat

Function	Type	Item no.	Available	Replaces item
Control box 0-10 V	RAMSES 816 BLE 2	8169151	from stock	-
Control box 2 x relay	RAMSES 816 BLE 3	8169152	from stock	-

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