

Presence, Motion, Control
New Products 2014





More stylish, more significant,
more passion
Theben's new look



Theben – your leading premium supplier of intelligent solutions for energy saving and increased comfort in and around your building. Each of our products and systems actually helps to use natural resources more conscientiously and at the same time increase your quality of life. Theben have been working towards this goal for nearly a hundred years. With numerous long-lasting and reliable innovations. During this time the company's appearance has become more modern and brighter and continues to do so.

Discover a new side of Theben: In moments where everything is in order, thanks to being in the right place at the right time. Our appearance is new. However, one thing hasn't changed: The promise to deliver top quality. Three words can express this: energy saving comfort.



theLuxa P and theLuxa P KNX
Larger range, more powerful
With the Performance line,
Theben expands its portfolio
of outdoor motion detectors



Detects everything required When people need to be seen



Ideal for external facilities in hotels, universities or public buildings – whether in entrance areas, parking places, underground parking garages, terraces or parks and garden facilities: wherever large detection areas have to be covered, theLuxa P and theLuxa P KNX are the right solution.

theLuxa standard line already exists. Now Theben is launching the Performance line. With potential-free contacts for simple, time-saving and thus inexpensive integration into building system technology. Exactly right for large and spacious entrance areas, terraces, parks, driveways, underground parking garages – for example hotels or management buildings, schools, universities and similar educational institutions. They can also be used indoors. In addition, Theben offers a KNX-capable design for integration with building automation.

Thanks to the rotary sensor head, the high-performance motion detectors can be optionally installed on the wall or ceiling. So the spacer frame is already included with all theLuxa P. theLuxa P300 and theLuxa P300 KNX will be supplied with corner brackets. With everything required for a simple and fast installation that meets your expectations. theLuxa P and theLuxa P KNX are available in black and white.

If, when there is too much all-round visibility, theLuxa P and theLuxa P KNX detect more than desired or required, the detection area can be individually restricted with cover clips. If needed, even the motion detection can be deactivated.

With theLuxa P and P KNX, Theben's new line of outdoors motion detectors is complete.



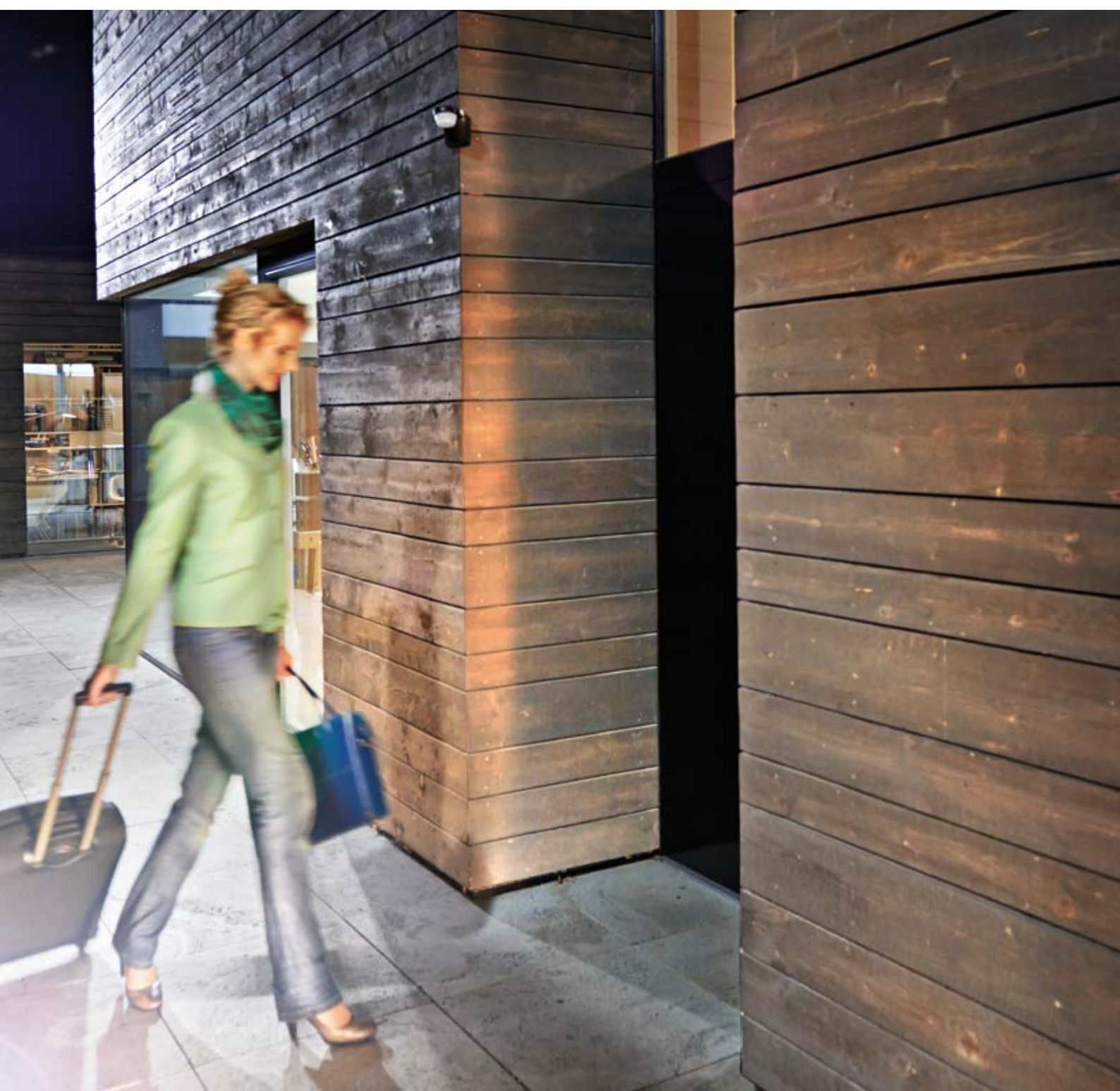
theSenda P: One for all – all with one: With theSenda P, installers can adjust virtually all presence and motion detector functions with only one remote control. Fast, secure, from the ground up. A remote control could not be more practical – or more convenient.

Simpler and more convenient

The advantages during installation and use of theLuxa P



theLuxa P and theLuxa P KNX contribute decisively to saving energy and improving comfort and security. Lights are automatically switched on when required, and only then.





Elegant ceiling installation

With its swivelling sensor head the theLuxa P can also be installed on the ceiling or on roof overhangs: this offers greater scope for covering the optimal detection area.



Swivelling sensor head

With its horizontally and vertically swivelling sensor head, theLuxa only detects movement in those areas where it really should. Within the delivery scope of theLuxa P, cover clips for partial limitation of the detection area are included. This means that unwanted activation of the detector due to movement next door or on the pavement can be avoided.



Simple setting

No interrupted coverage, no long searches: The setting elements are highly visible, easily accessible and easy to set using a screw driver on the bottom of the detector.



Clever teach-in function

Lighting conditions change quickly - it is good if you can simply save them when they are exactly how they should be. With the clever teach-in function, the current lux value can be continuously maintained. No specialist knowledge required. From the end user. It couldn't be easier.



More spacious socket

theLuxa P has a socket with a large terminal area. This simplifies and speeds up the installation, as the detector itself is not in the way during installation and can be easily attached at the end.



High switching capacity

Its high-performance relay with tungsten pre-contact allows theLuxa P to handle switch loads of up to 10 amperes. This allows several lamps to be connected at the same time and larger areas, such as loading ramps or hotel premises, to be lit. This improves planning security, lowers costs and reduces installation times.



Convenient creep-under protection

The creep-under protection of theLuxa P also detects areas that are directly below and even somewhat behind the detector. This means that the light comes on when it is needed. Immediately, and not when you've already tripped over the first step.



Manual switching

With manual activation, the light can be switched on via a pushbutton. This is practical, for example, if you hear a noise made outside the detection area. This gives you a reassuring feeling of security.

Highly visible terminal labelling

With theLuxa P you always see where you are: the terminal labelling is above the actual socket. In this way it cannot be hidden by cables. That is not only more attractive, but also safer.



Floating contact

Thanks to this the theLuxa P can be directly and simply integrated into the building system technology. And it reduces installation costs, as no cut-off relays are required.



Practical test function

With theLuxa P you can avoid detection errors from the outset: With the practical test function the detection area can be established, set and optimised immediately after installation. Even in daylight and sunshine - when conventional motion detectors do not normally react.



Practical pulse function

The pulse function allows the motion detectors to be fitted to staircase light time switches or KNX binary inputs without expensive adjustments in electrical installations.

Secure fastening

Thanks to its blind terminal for earth conductors and the bracket for plug-in terminals, installation of theLuxa P is quicker and safer. The earth conductor is neatly fixed, as it should be.



Simple rainproof

theLuxa P has the protection rating IP 55. That is not only safe, but also practical, as it allows the motion detectors to be installed anywhere outdoors, regardless of how protected from the weather the installation location is.



Suitable for flush-mounted boxes

If sockets already exist, there is no need to drill new holes for theLuxa P. The detector can be fixed to a flush-mounted box (60 mm). Simply screw it on and it's ready.



High-performance KNX variants

theLuxa P KNX is easy to integrate into the building automation via KNX and easy to configure. The brightness thresholds, duty cycle and sensitivity can also be configured via the KNX visualisation the Serva S110 KNX (see page 24-25).



⊕ swiss perfection

⊕ swiss perfection

⊕ swiss perfection

⊕ swiss perfection

theMova
Slim design, larger detection
area, KNX capable
The indoor motion detectors
from ThebenHTS are available
in various sizes and designs



A truly stylish element In transit areas and side rooms



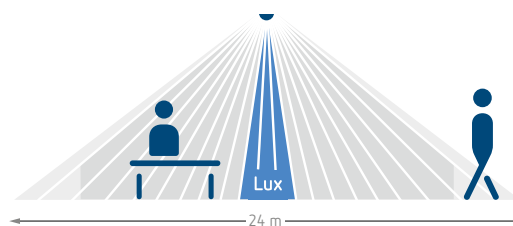
theMova S: Perfect for side rooms such as toilets or storerooms and utility rooms.

It doesn't always have to be a presence detector. The indoor motion detectors from ThebenHTS are ideal for all cases in which moving persons must be securely detected, for example in staircases, entrance halls, garages, cellars or toilets. theMove is outstandingly well suited for this spectrum of applications.

theMova is attractive with: with its round, droplet-shaped design, the indoor motion detector nestles into the ceiling with unobtrusive elegance, setting a tone without forcing its way into the foreground.

theMova is available in a Standard and a Performance line. In both designs there is a KNX version for integration into building automation. The smaller standard designs are intended for surface-mount or ceiling installation. The slightly larger theMova Performance is installed flush-mounted. theMova P can be surface-mounted with an optional surface-mount frame.

While the standard version is intended for rooms with a height of three and a half metres, theMova Performance exhibits its qualities with its incredible 24 metre diameter detection area even in larger rooms.



theMova P: With its incredible average 24 m detection area, it is the ideal motion detector for high rooms, like foyers, entrance areas, storage halls.

Easy to install and operate

The advantages during installation and use of theMova



A new design for more comfort with simple operation and reliable technology - that is what makes theMova stand out. ThebenHTS motion detectors look good and are easy to install, adjust and operate.



Easy to use remote control

With the theSenda P remote control settings can be conveniently made and changed from the ground. This reduces installation times and lowers costs. And, moreover, it is safer.



Practical pulse function

The pulse function allows the motion detectors to be fitted to staircase light time switches or KNX binary inputs without expensive adjustments in electrical installations.



Adjustable sensitivity

How sensitively the theMova reacts to movement in the room, is completely up to you. The PIR sensors can be conveniently set using the theSenda P remote control - according to the individual user's requirements.

theMova S



Plug-in terminal

Installation can be so simple: when it is done with practical plug-in terminals.



Suitable for ceiling installation

As well as the surface-mount variant, theMova S is also available as a ceiling installation variant with a reliable spring system.



Suitable for damp rooms

theMova S AP has the protection rating IP 54. This allows the detector to also be used in damp rooms such as showers, changing rooms or toilets.

theMova P



Easily accessible potis

Adjustment and operation can be done easily using the potentiometers under the cover ring - no need for time-consuming dismantling.



Simple area restriction

The detection area can be individually restricted with practical cover clips.



Highly suitable

theMova P shows its class in rooms up to 3,5 metres in height. Perfect for halls of any type.

theMova KNX



High-performance KNX variants

theMova S and P KNX are easy to integrate into the building automation and simple to configure. The brightness thresholds, duty cycle and sensitivity can also be configured via the KNX visualisation the Serva S110 KNX (see page 24-25).



Huge detection area

With a diameter of 24 metres the detection area couldn't be bigger. That means fewer devices for larger rooms and shorter installation times



High switching capacity

Its high-performance relay with tungsten pre-contact allows theMova P to handle switch loads of up to 10 amperes. This allows several lamps to be connected at the same time and larger areas to be lit. This improves planning security, lowers costs and reduces installation times.



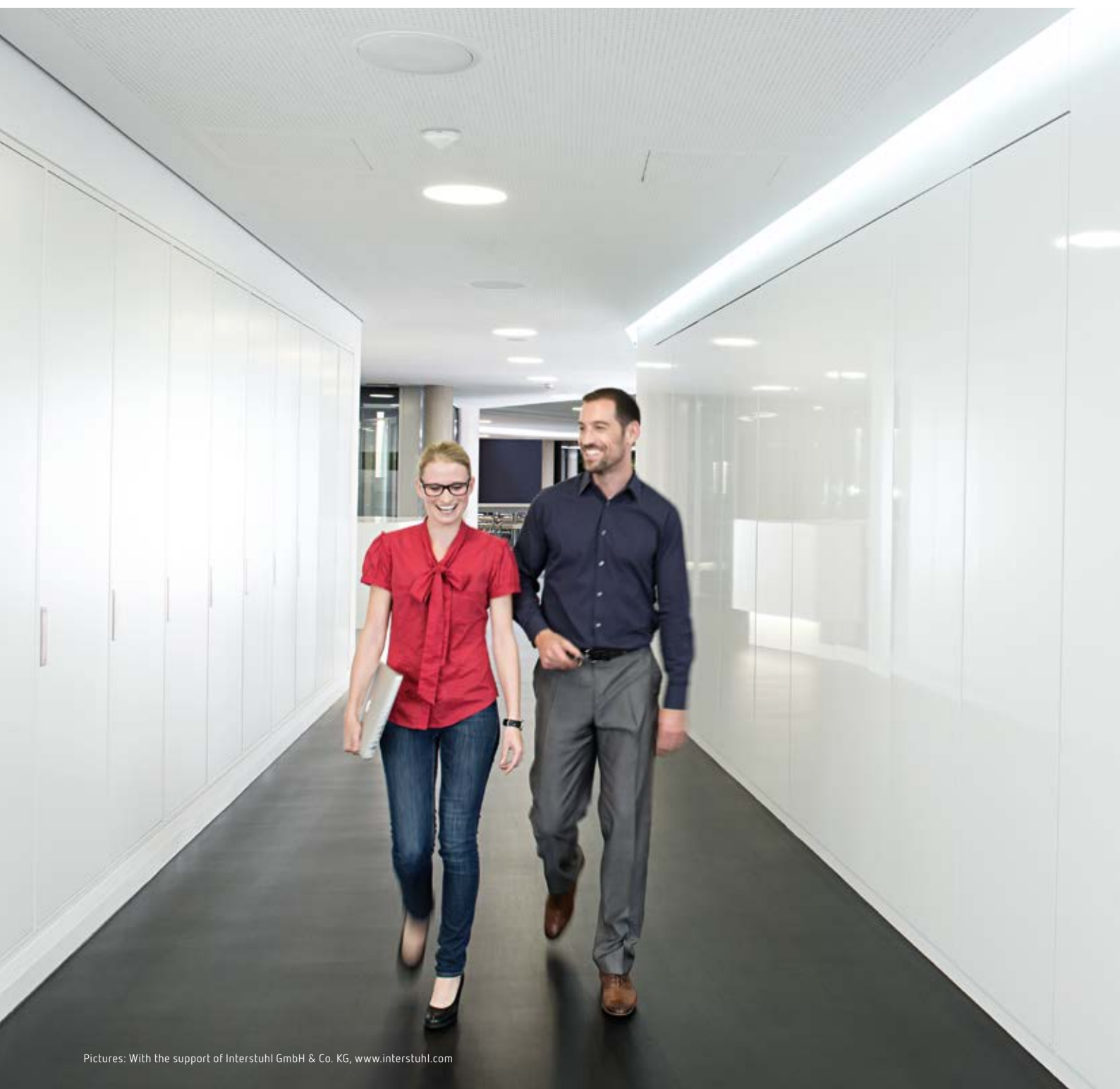
Practical test function

With theMova you can avoid detection errors from the outset: With the practical test function the detection area can be established, set and optimised immediately after installation. Even in daylight and sunshine - when conventional motion detectors do not normally react.



Clever teach-in function

Lighting conditions change quickly - it is good if you can simply save them when they are exactly how they should be. With the clever teach-in function, the current lux value can be continuously maintained. No specialist knowledge required. by the end user. It couldn't be easier.



theLuxa



Technical data for the complete product range

Application area	Outdoors
Operating voltage	230 V AC / 50 Hz or via KNX bus
Installation height	2 - 4 m
Creep under protection	yes
Brightness setting range	5 - 1000/∞ Lux
Duty cycle range	1 s - 20 min
Ambient temperature	-25 °C to +45 °C
Protection rating	IP 55 in accordance with EN 60529

	theLuxa S	theLuxa P
Switching capacity	10 A (cos φ = 1) 3 AX (cos φ = 0.3)	10 A (cos φ = 1) 10 AX (cos φ = 0.3)
Min. switching capacity	10 mA	100 mA
LED lamps < 2 W	25 W	60 W
LED lamps 2 W - 8 W	90 W	180 W
LED lamps > 8 W	100 W	200 W
Incandescent/halogen lamp load	2300 W	2300 W
Low-voltage halogen lamps	2300 VA	2300 VA
Fluorescent lamps	400 VA (42 μF)	1300 VA (140 μF)
Energy saving lamps	150 W	300 W

Features

	theLuxa S150	theLuxa S180
Lateral detection area*	12 m	12 m
Detection area	150°	180°
Remote operation	no	no
Installation type	Wall installation	Wall installation
Stand-by consumption	< 1 W	< 1 W
Switch contact	μ-contact 230 V AC	μ-contact 230 V AC
Zero cross switching	yes	yes

Pulse function, test function, 10 A switching capacity:

Article numbers

Article number white (WH)	1010500	1010505
Article number black (BK)	1010501	1010506

Optional accessories

Spacer frame theLuxa WH	9070906	9070906
Spacer frame theLuxa BK	9070907	9070907
Corner bracket theLuxa WH	9070902	9070902
Corner bracket theLuxa BK	9070903	9070903
theSenda S remote control	-	-
theSenda P remote control	-	-

* Details at an installation height of 3 m

theMova



Technical data for the complete product range

Application area	Indoors
Brightness setting range	5 - 3000 / on Lux
Lighting time delay	10 s - 60 min
Permissible ambient temperature	-15 °C to +50 °C
Max. switching capacity	2300 W (cos φ = 1) 1150 VA (cos φ = 0.5)
Relay	230 V / 10 A, μ-contact

Features

	theMova S360-100 DE	theMova S360-100 AP
Operating voltage	230 V AC / 50 Hz	230 V AC / 50 Hz
Detection area*	round, 8 m diameter	round, 8 m diameter
Lighting time delay	10 s - 60 mins	10 s - 60 mins
Detection area	360°	360°
Installation height	2 - 3.5 m	2 - 3.5 m
Light channels	1	1
Switching capacity light	2300 W, 1150 VA	2300 W, 1150 VA
Presence channels	-	-
Switching capacity HLK contact	-	-
Terminals	Screwless terminals	Screwless terminals
Power consumption	< 0.5 W	< 0.5 W
Protection rating	IP 40 (fitted)	IP 54

Remote control, ceiling installation, teach-in,

Article numbers

Article number white (WH)	1030560	1030550
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Optional accessories

theSenda S remote control	9070911	9070911
theSenda P remote control	9070910	9070910
Surface-mount frame 110 A	-	-
Ceiling installation socket	-	-

* Details for an installation height of 3 m

** Suitable for large installation heights of up to 10 m. Additional information can be found in the technical documentation.



theLuxa
S360



theLuxa
P220



theLuxa
P300



theLuxa
P300 KNX

16 m	16 m	16 m	16 m
360°	220°	300°	300°
no	yes	yes	yes
Ceiling & wall installation	Ceiling & wall installation	Ceiling & wall installation	Ceiling & wall installation
0.5 W	0.3 W	0.3 W	-
µ-contact 230 V AC	Tungsten pre-contact	Tungsten pre-contact	-
yes	no	no	-

available in all product models

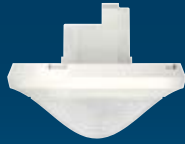
1010510	1010605	1010610	1019610
1010511	1010606	1010611	1019611
9070906	Included in the scope of supply	Included in the scope of supply	Included in the scope of supply
9070907	Included in the scope of supply	Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	-	Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	-	Included in the scope of supply	Included in the scope of supply
-	9070911	9070911	9070911
-	9070910	9070910	9070910



theMova
S360-101 DE



theMova
S360-101 AP



theMova
P360-100 UP



theMova
S360 KNX DE



theMova
S360 KNX AP



theMova
P360 KNX

230 V AC / 50 Hz	230 V AC / 50 Hz	110 V-230 V AC, 50/60 Hz	Via KNX bus	Via KNX bus	Via KNX bus
round, 8 m diameter	round, 8 m diameter	round, 24 m diameter	round, 8 m diameter	round, 8 m diameter	round, 24 m diameter
10 s - 60 mins	10 s - 60 mins	10 s - 60 mins	30 s - 60 mins	30 s - 60 mins	30 s - 60 mins
360°	360°	360°	360°	360°	360°
2 - 3.5 m	2 - 3.5 m	2 - 3.5 m**	2 - 3.5 m	2 - 3.5 m	2 - 3.5 m**
1	1	1	1	1	1
2300 W, 1150 VA	2300 W, 1150 VA	2300 W, 1150 VA	-	-	-
1	1	-	1	1	1
50 W / 50 VA	50 W / 50 VA	-	-	-	-
Screwless terminals	Screwless terminals	Terminals screws	WAGO 243	WAGO 243	WAGO 243
< 0.5 W	< 0.5 W	< 0.2 W	9 mA / 13 mA with LED	9 mA / 13 mA with LED	9 mA / 13 mA with LED
IP 40 (fitted)	IP 54	IP 40 (fitted)	IP 40 (fitted)	IP 54	IP 40 (fitted)

adjustable sensitivity, test presence available with all product models

1030565	1030555	1030600	1039560	1039550	1039560
9070911	9070911	9070911	9070911	9070911	9070911
9070910	9070910	9070910	9070910	9070910	9070910
-	-	9070912	-	-	9070912
-	-	9070917	-	-	9070917



swiss perfection

swiss perfection

swiss perfection

swiss perfection

theRonda
More extensive,
more comprehensive, more versatile
This presence detector from
ThebenHTS covers it all



An all-round success When presence matters



Made for high rooms: theRonda stands out for its exceedingly large, round detection area. Ideal for entrance and sports halls, warehouses and large offices.

theRonda is an alternative to thePrema, when you need to cover large areas with just one presence detector. With its large round detection area with a diameter of up to 24 m, theRonda is particularly suitable for lighting and climate control in larger, higher rooms such as offices or entrance halls, warehouses and sports halls.

The unobtrusive presence detector with the chic, droplet-shaped design can be installed in surface-mount, flush-mount or ceiling installation. It offers all the advantages you might expect from ThebenHTS – from mixed light measurement to adjustable sensitivity and test functions.

Especially practical is the reliable teach-in function, thanks to which theRonda takes note of the desired brightness value, and all it requires is a touch of a button on the remote control.

Nice detail: theMova P and theRonda P look the same! This guarantees a unified appearance in all rooms and building areas.



An adjustment question: theRonda can be adjusted via easily accessible adjustment elements – or via the remote control theSenda P.

More convenient and energy efficient The advantages during installation and use of theRonda



Like all Theben solutions, theRonda is easy to install and operate. Another advantage is the round, discreet and elegant design, that theRonda and theMova have in common. Ideal for those who desire a unified look in a room.





Illuminating short stays

In the event of a short stay, the light is only on for two minutes. As theRonda "detects", whether and how long someone is in the room. This means that whoever enters the room for a short period of time does not automatically trigger the comfortable time delay that has been set and therefore does not have to go without light.



Permanent light measurement

theRonda not only registers movements in the room but also permanently measures the brightness. This means that when there is sufficient daylight, it switches the artificial lights off, and when there is not enough it switches them back on. This also improves comfort and reduces energy consumption.



Pushbutton/switch recognition

theRonda automatically detects whether a push button or switch is connected. This makes installation easier for you and rules out any installation errors from the outset.



Practical test function

With theRonda you can avoid detection errors from the outset: With the practical test function the detection area can be established, set and optimised immediately after installation. That includes during daylight – when conventional motion detectors do not normally react.



Adjustable sensitivity

How sensitively the theRonda reacts to movement in the room, is completely up to you. The PIR sensors can be conveniently set using the remote control – according to the individual user's requirements.



Simple area restriction

The detection area can be individually restricted with practical cover clips.



Clever teach-in function

Lighting conditions change quickly - it is good if you can simply save them when they are exactly how they should be. With the clever teach-in function, the current lux value can be continuously maintained. Without specialist knowledge by the end user. It couldn't be easier.



High switching capacity

Its high-performance relay with tungsten pre-contact allows theRonda to handle switch loads of up to 10 amperes. This allows several lamps to be connected at the same time and larger areas to be lit. This improves planning security, lowers costs and reduces installation times.



Easy to use remote control

Using the theSenda P remote control settings can be made conveniently from the ground up and changed. This is faster, shortens installation times and lowers costs. And, moreover, it is safer. The end user can call up two light scenes, among other things, via the theSenda S remote control, for example presentations: light off and projector on.



Practical pulse function

The pulse function allows the presence detectors to be built into existing electrical installations with staircase light time switches or KNX binary inputs without the need for expensive adjustments.

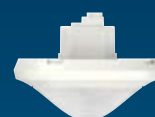
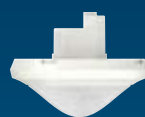
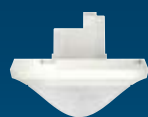
the Ronda KNX



High-performance KNX variants

theRonda KNX is easy to integrate into the building automation and simple to configure. The brightness thresholds, duty cycle and sensitivity can also be configured via the KNX visualisation the Serva S110 KNX (see page 24-25).

theRonda | thePrema



Features

theRonda
P360-100 UP

theRonda
P360-101 UP

theRonda
P360 KNX UP

thePrema
S360-100 UP

Application area	Indoors	Indoors	Indoors	Indoors
Detection range*	round diameter 24 m	round diameter 24 m	round diameter 24 m	square 7 x 7 m
Detection area	360°	360°	360°	360°
Installation height	2 - 3.5 m**	2 - 3.5 m**	2 - 3.5 m**	2 - 3.5 m
Light channels	1	1	2	1
Switching capacity light	2300 W, 1150 VA	2300 W, 1150 VA	–	2300 W, 1150 VA
Lighting time delay	10 s - 60 mins	10 s - 60 min	30 s - 60 mins	10 s - 60 mins
Light measurement (mixed light)	1 x mixed light	1 x mixed light	1 x mixed light, spot	1 x mixed light
Presence channels	–	1	2	–
Switching capacity Presence	–	50 W/ 50 VA	–	–
Presence switch-on delay	–	0 s - 10 min	10 s - 30 min/ inactive	–
Presence time delay	–	10 s - 120 min	10 s - 120 min	–
Standby brightness	–	–	1 - 25%	–
Stand-by time	–	–	30 s - 60 min/ inactive permanent on	–
Remote operation	yes	yes	yes	yes

Technical data

Operating voltage	110 V - 230 V AC, 50/60 Hz	110 V-230 V AC, 50/60 Hz	Via KNX bus	110 V - 230 V AC, 50/60 Hz***
Stand-by	< 0.2 W	< 0.2 W	9 mA	< 0.2 W***
Brightness setting range	5 - 3000 lx, on	5 - 3000 lx, on	5 - 3000 lx, on	5 - 3000 lx, on
Permissible ambient temperature	-15 °C to +50 °C	-15 °C to +50 °C	-15 °C to +50 °C	0 °C to +50 °C
Protection rating (in fitted state)	IP 40	IP 40	IP 40	IP 40

Article numbers

Article number white (WH)	2080000	2080005	2089000	2070500
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Optional accessories

theSenda S remote control	9070911	9070911	9070911	9070911
theSenda P remote control	9070910	9070910	9070910	9070910
Surface-mount frame 110 A	9070912	9070912	9070912	9070912
Ceiling installation socket	9070917	9070917	9070917	9070917

* Details for an installation height of 3 m

** Suitable for large installation heights of up to 10 m. Additional information can be found in the technical documentation.

*** From November 2014

thePrema
S360-101 UPthePrema
S360 Slave UPthePrema
P360-101 UPthePrema
P360 Slave UPthePrema
S360 KNX UPthePrema
P360 KNX UP

Indoors	Indoors	Indoors	Indoors	Indoors	Indoors
square 7 x 7 m	square 7 x 7 m	square 9 x 9 m	square 9 x 9 m	square 7 x 7 m	square 9 x 9 m
360°	360°	360°	360°	360°	360°
2 - 3.5 m	2 - 3.5 m	2 - 3.5 m**	2 - 3.5 m**	2 - 3.5 m	2 - 3.5 m**
1	–	1	–	2	3
2300 W, 1150 VA	–	2300 W, 1150 VA	–	–	–
10 s - 60 mins	–	10 s - 60 mins	–	30 s - 60 mins	30 s - 60 mins
1 x mixed light	–	Spot / Wide	–	1 x mixed light, spot	3 x mixed light can be selected
1	–	1	–	2	2
50 W / 50 VA	–	50 W / 50 VA	–	–	–
0 s - 10 min	–	0 s - 10 min	–	30 s - 60 min / inactive permanent on	30 s - 60 min / inactive permanent on
10 s - 120 min	–	10 s - 120 min	–	10 s - 120 min	10 s - 120 min
–	–	–	–	1 - 25%	1 - 25%
–	–	–	–	30 s - 60 min / inactive permanent on	30 s - 60 min / inactive permanent on
yes	yes	yes	yes	yes	yes
110 V - 230 V AC, 50/60 Hz***	110 V - 230 V AC, 50/60 Hz***	110 V - 230 V AC, 50/60 Hz***	110 V - 230 V AC, 50/60 Hz***	Via KNX bus	Via KNX bus
< 0.2 W***	< 0.2 W***	< 0.2 W***	< 0.2 W***	9 mA	9 mA
5 - 3000 lx, on	–	5 - 3000 lx, on	–	5 - 3000 lx, on	5 - 3000 lx, on
0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C
IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
2070505	2070530	2070005	2070030	2079500	2079000
9070911	9070911	9070911	9070911	9070911	9070911
9070910	9070910	9070910	9070910	9070910	9070910
9070912	9070912	9070912	9070912	9070912	9070912
9070917	9070917	9070917	9070917	9070917	9070917

5 years
guarantee¹
thePrema

thePrema stands out thanks to its top quality and reliability. We offer you a five year guarantee for it.
¹In accordance with guarantee conditions, see www.theben.de/en/guarantee

Award-winning
For its exceptional design, thePrema has won several awards.





KNX MIX2

Complete, flexible, extendable
Mixing is possible with the full
range of KNX MIX2 actuators

The Mix does it Only Theben offers this



Switching, dimming, controlling, regulating and also saving more space in the distributor – not to mention time and money: The KNX MIX2 series from Theben makes it possible.

The complete range of KNX MIX2 actuators open up new design possibilities in the realm of building automation. All you need is a base module to which up to two extension modules can be connected. In this way you triple the number of output channels for each bus device and can switch lights, dim lights, control the sun protection or regulate the heating – with the module of your choice. Window and door contacts as well as switches and push buttons can be integrated via the binary input.

This clever combination saves space in the distributor - and cash. Why: Only the KNX MIX2 base device has a removable bus coupler. This is practical, as it can be quickly and easily replaced when needed – and cheap, as the extension devices can be connected to it easily. Only Theben offers this.

The KNX MIX2 series is ideal for the automation of rooms and single-family houses. For example when it involves controlling the lighting, the sun protection and the heating at the same time.

As well as the flexible, because easily extendable, KNX MIX2 series, for less complex applications there is the competitive compact KNX FIX2 version, ideal for use in public buildings, offices, utility and management buildings and also in hotels and schools.



Removeable intelligence: Only the KNX MIX2 base module has a bus coupler to which the extension modules can be connected. If needed, it can be easily removed and replaced.

Mixing in series

Everything KNX desires



Base module (G)

+ maximum 2 extension modules (E)

Removeable bus coupler

The installer fits the base module on site and the integrator can configure the bus coupler in their office. Then before commissioning the bus coupler module is installed, job done. This means that that costs can be kept down because integrators and installers work can be separated.

Inexpensive extension devices

As only the base device (G) is fitted with a bus coupler, this reduces the costs for the extension devices (E), and the combined system devices can save up to one third in costs compared to alternative solutions.

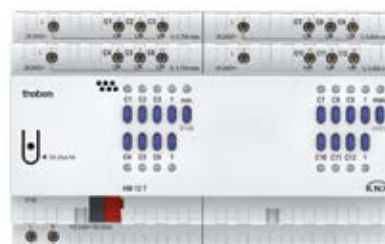
Flexible extensibility

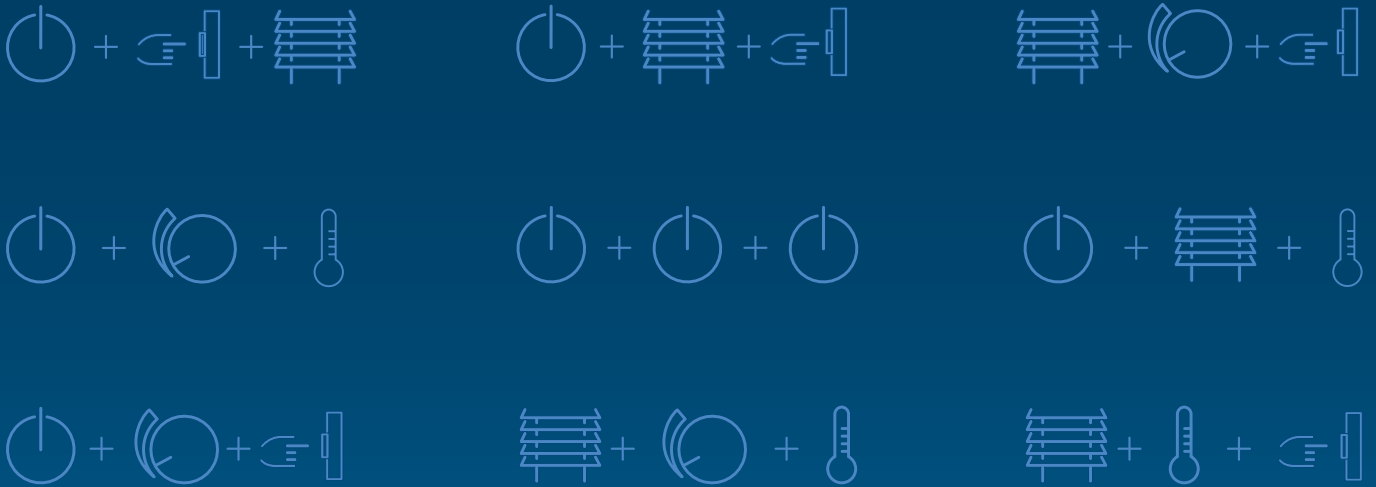
With KNX MIX2, controlling lighting, dimming, heating, climate or sun protection is not only a problem, but desirable. Only Theben offers this flexibility.



FIX2 instead of MIX2

Whoever wants compactness but does not need the flexibility that MIX2 offers can find an alternative answer with FIX2. For example the switching/blinds actuator RM 16 T KNX with 16 relays can control mixed lights and blinds and is perfectly suited for use in property construction – for example in office buildings, public buildings, educational facilities or hotels. So everywhere that lighting and sun protection control are required in one room.





Switching

As you want

On/off with and without delay or staircase light with pre-warning – the 4-fold C-load switch actuators from Theben offer you new freedom of action on up to 12 channels. They have current recognition and are designed for higher lamp loads.

Switch actuators:

MIX2 RMG 4 I KNX
MIX2 RME 4 I KNX
FIX2 RM 8 I KNX



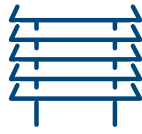
Dimming

But right

No flickering, attractive evenly rising brightness levels in all currently available LED lamps - Theben's universal dimming actuators are already well proven in the KNX market. They have been enthusiastically received and are considered the best dimming actuators for LEDs in the KNX market today.

Universal dimmer actuators:

MIX2 DMG 2 T KNX
MIX2 DME 2 T KNX
FIX2 DM 4 T KNX



Blinds

Flexible control

With the switch/blinds actuators you can switch and control as you like. From 4 to 8 or 12 blinds or 24 switching channels. Or mixed. All this with only three modules. That gives you more freedom in the use of the channels. Also because you can assign them as you please afterwards.

Switch/blinds actuators:

MIX2 RMG 8 T KNX
MIX2 RME 8 T KNX
FIX2 RM 16 T KNX

Blinds actuator:

MIX2 JMG 4 T KNX
MIX2 JME 4 T KNX
FIX2 JM 8 T KNX



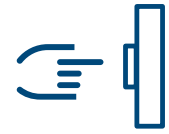
Heating

So cost effective

With the heating actuators Theben offers you the possibility of recording the temperature in the individual rooms via low cost temperature sensors. The temperature control takes place in the actuator itself, the set point specification is set centrally via the KNX visualisation theSera.

Heating actuators:

MIX2 HMG 6 T KNX
MIX2 HME 6 T KNX
FIX2 HM 12 T KNX



Binary inputs

Usable universally

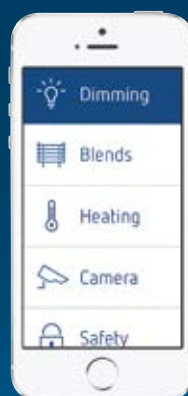
Theben binary inputs cover the full range of contacts and voltages – whether floating contacts, 24V or 230V. And each of the binary inputs offers six of them. That means more flexibility and greater investment security. Also because, in case of maintenance or service, each channel can be tested via manual operation.

Binary inputs:

MIX2 BMG 6 T KNX
MIX2 BME 6 T KNX
FIX2 BM 12 T KNX



theServa
Control everything faster
and more conveniently
The convenient and easy-to-use
visualisation of the KNX in smart homes



Fantastically comfortable

Control what you want to change



theServa S110 KNX visualises the settings, shows the energy consumption and enables any change desired – for example different light moods in RGB colours.

Whoever opts for KNX house and building automation also wants to operate it and configure it easily. theServa KNX makes possible exactly that. From the living room you can control the blinds in the bedroom, regulate the room temperature or adjust the settings of the motion detector in front of the house from the comfort of your arm chair or in fact anywhere.

theServa KNX consists of a fanless micro server for continuous operation and high-performance software. KNX building automation, which is intuitive to operate, is designed for private homes as well as smaller to medium-size utility buildings. This allows everything to be visualised - from lighting, climate control, blinds or shutters up to weather forecasts. Configuration is as simple as could be with easy-to-understand icons, to which the particular rooms and functions are assigned. Windows XP or above is required. Energy consumption can also be represented, as can load management. Whoever wants to keep everything in view can integrate their IP cameras into theServa KNX.

It couldn't be easier. Or faster. And this precisely because the graphics are stored fully on the particular client access devices: whether tablet, touch screen or laptop/PC. This shortens loading times and ensures real-time reaction speeds. Try it out - for example the many possible RGB light scenarios, with which any desired mood can be created.



A micro server for all end devices: theServa KNX can be controlled via smartphones, notebooks/PCs or tablets (iPad/Android). In real time.



Everything at a glance

Overview

Motion detectors theLuxa S and P

Installation type	Detection range	Detection angle	Colour	Type	Article No.	Available from	Replaces item / discontinued model
Wall installation	12 m	150°	White	theLuxa S150 WH	1010500	Available	1010963
			Black	theLuxa S150 BK	1010501	Available	1010964
	12 m	180°	White	theLuxa S180 WH	1010505	Available	1010961
			Black	theLuxa S180 BK	1010506	Available	1010962
Wall and ceiling mounting	12 m	360°	White	theLuxa S360 WH	1010510	Available	1010460
			Black	theLuxa S360 BK	1010511	Available	-
	16 m	220°	White	theLuxa P220 WH	1010605	September 2014	1050220
			Black	theLuxa P220 BK	1010606	September 2014	-
		300°	White	theLuxa P300 WH	1010610	September 2014	1050300
			Black	theLuxa P300 BK	1010611	September 2014	-

Motion detectors theLuxa P KNX

Installation type	Detection range	Detection angle	Colour	Type	Article No.	Available from	Replaces item / discontinued model
Wall and ceiling mounting	16 m	300°	White	theLuxa P300 KNX WH	-	April 2015	1059203
			Black	theLuxa P300 KNX BK	-	April 2015	-

Accessories theLuxa S

Accessories	Compatible with	Colour	Type	Article No.	Available from	Replaces item / discontinued model
Spacer frame	theLuxa S150 theLuxa S180 theLuxa S360	White	Spacer frame theLuxa S WH	9070906	Available	-
		Black	Spacer frame theLuxa S BK	9070907	Available	-
Corner bracket	theLuxa S150 theLuxa S180 theLuxa S360	White	Corner bracket theLuxa S WH	9070902	Available	9070626
		Black	Corner bracket theLuxa S BK	9070903	Available	9070625

Accessories theLuxa P

Accessories	Compatible with	Colour	Type	Article No.	Available from	Replaces item / discontinued model
Spacer frame	theLuxa P220 theLuxa P300 theLuxa P300 KNX	White	Spacer frame theLuxa P WH	9070908	September 2014	-
		Black	Spacer frame theLuxa P BK	9070909	September 2014	-
Corner bracket	theLuxa P220 theLuxa P300 theLuxa P300 KNX	White	Corner bracket theLuxa P WH	9070904	September 2014	9070535
		Black	Corner bracket theLuxa P BK	9070905	September 2014	-

Motion detectors theMova S and P

Installation type	Detection range	Channels	Colour	Type	Article No.	Available from	Replaces item/ discontinued model
Ceiling installation	Ø 8 m	Light	White	theMova S360-100 DE WH	1030560	July 2014	1030010
			White	theMova S360-100 AP WH	1030550	December 2014	1030020
		Light Presence	White	theMova S360-101 DE WH	1030565	July 2014	1030011
			White	theMova S360-101 AP WH	1030555	December 2014	1030021
	Ø 24 m	Light	White	theMova P360-100 UP WH	1030600	July 2014	-

Motion detectors theMova S and P KNX

Installation type	Detection range	Channels	Colour	Type	Article No.	Available from	Replaces item/ discontinued model
Ceiling installation	Ø 8 m	Light Presence	White	theMova S360 KNX DE WH	1039560	September 2014	-
			White	theMova S360 KNX AP WH	1039550	September 2014	-
	Ø 24 m	Light Presence	White	theMova P360 KNX UP WH	1039600	September 2014	-

Presence detectors theRonda P

Detection area	Channels	Function	Colour	Type	Article No.	Available from	Replaces item/ discontinued model
Round Ø 24m	Light	Master	White	theRonda P360-100 UP WH	2080000	July 2014	104060, 1040370
	Light Presence	Master	White	theRonda P360-101 UP WH	2080005	July 2014	1040362, 1040372
			White	theRonda P360 KNX UP WH	2089000	September 2014	-

Presence detectors thePrema S and P

Detection area	Channels	Function	Colour	Type	Article No.	Available from	Replaces item/ discontinued model
8 x 8 m	Light	Master	White	thePrema S360-100 UP WH	2070500	Available	-
			Grey	thePrema S360-100 UP GR	2070501	April 2014	-
	Light Presence	Master	White	thePrema S360-101 UP WH	2070505	Available	2010000
			Grey	thePrema S360-101 UP GR	2070506	April 2014	2010800
	-	Slave	White	thePrema S360 Slave UP WH	2070530	Available	-
			Grey	thePrema S360 Slave UP GR	2070531	April 2014	-
10 x 10 m	Light Presence	Master	White	thePrema P360-101 UP WH	2070005	Available	2020000
			Grey	thePrema P360-101 UP GR	2070006	April 2014	2020806
	-	Slave	White	thePrema P360 Slave UP WH	2070030	Available	-
			Grey	thePrema P360 Slave UP GR	2070031	April 2014	-

Presence detectors thePrema S and P KNX

Detection area	Channels	Function	Colour	Type	Article No.	Available from	Replaces item/ discontinued model
8 x 8 m	Light Presence	Master	White	thePrema S360 KNX UP WH	2079500	April 2014	2019200
			Grey	thePrema S360 KNX UP GR	2079501	April 2014	2019800
10 x 10 m	Light Presence	Master	White	thePrema P360 KNX UP WH	2079000	Available	2029200
			Grey	thePrema P360 KNX UP GR	2079001	April 2014	2029800

Accessories for motion and presence detectors

Accessories	Suitable for	Type	Article No.	Available from	Replaces item/ discontinued model
User remote control	theLuxa P, theMova, theRonda, thePrema	theSenda S	9070911	Available	9070539
Service remote control	theLuxa P, theMova, theRonda, thePrema	theSenda P	9070910	Available	9070537
Surface-mount frame, white	theMova P, theRonda, thePrema	Surface mount frame 110A WH	9070912	Available	–
Surface-mount frame, grey	theMova P, theRonda, thePrema	Surface mounting frame 110A GR	9070913	April 2014	–
Ceiling flush-mounting box	theMova P, theRonda, thePrema	Ceiling flush-mounting box 73A	9070917	Available	–

MIX2 KNX actuators and binary inputs

Function	Channels	Device type	Type	Article No.	Available from	Replaces item/ discontinued model
Switch actuator C-load	4	Basic module	RMG 4 I KNX	4930210	Available	4910206
		Extension module	RME 4 I KNX	4930215	Available	4910207
Universal dimming actuator	2	Basic module	DMG 2 T KNX	4930270	Available	4910270
		Extension module	DME 2 T KNX	4930275	Available	4910271
Dimming booster	1	–	DMB 1 T KNX	4930279	Available	–
Switch/blinds actuator	8	Basic module	RMG 8 T KNX	4930200	July 2014	4900251
		Extension module	RME 8 T KNX	4930205	July 2014	4900252
Blinds actuator	4	Basic module	JMG 4 T KNX	4930250	April 2014	4910250
		Extension module	JME 4 T KNX	4930255	April 2014	4910251
Heating actuator	6	Basic module	HMG 6 T KNX	4930240	July 2014	4910210
		Extension module	HME 6 T KNX	4930245	July 2014	4910211
Binary input	6	Basic module	BMG 6 T KNX	4930230	December 2014	4910230
		Extension module	BME 6 T KNX	4930235	December 2014	4910231

FIX2 KNX actuators

Function	Channels	Type	Article No.	Available from	Replaces item/ discontinued model
Switch actuator C-load	8	RM 8 I KNX	4940215	July 2014	–
Universal dimming actuator	4	DM 4 T KNX	4940275	July 2014	–
Switch/blinds actuator	16	RM 16 T KNX	4940205	July 2014	–
Blinds actuator	8	JM 8 T KNX	4940255	July 2014	–
Heating actuator	12	HM 12 T KNX	4940245	July 2014	–
Binary input	12	BM 12 T KNX	4940235	December 2015	–

KNX visualisation theServa

Type	Article No.	Available from	Replaces item/ discontinued model
theServa S110 KNX	8254100	November 2014	–



**Always there for you:
+49 7474 692-369**

Theben stands for the highest quality. Rigorous final testing of our products guarantees it. In addition, we are happy to be there for you: online, over the phone and, of course, in person.

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