

KNX sensors
ABB i-bus[®] KNX
Intelligent Installation Systems

Busch KNX sensors. Operation and display the direct way.



Networked structures work much more efficiently than individual systems. In residential buildings and on business premises, they reduce energy consumption and thus operating costs. At the same time, they provide added comfort and security. Busch-Jaeger KNX control elements form the interface between this state-of-the-art technology and the user. They control light, warmth, fresh air supply and blinds. The integration of media technology and the internet is also possible. With Living Space[®], Busch-Jaeger sets new standards: while powerful, intelligent technology with energy-saving functions works reliably in the background, all that remains visible are clearly arranged control elements tailored to the individual requirements of the user.



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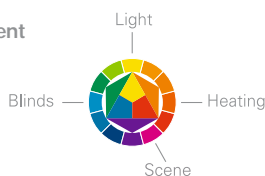
Busch-priOn®. The central control unit.

Busch-priOn® allows you to control and monitor functions for the entire room. Light, scenes, timer, blind control unit, heating control unit – all functions are controlled simply and intuitively via a rotary dial, and freely programmable functions can be called up via the rocker switches. Busch-priOn® is a non-fixed, modular concept.



Colours that make life easier.

A consistent colour coding concept and durable LED technology make Busch-priOn® extremely easy to operate. The dial lights up in the colours of the coding system, thus providing feedback on the function currently selected. Yellow stands for lighting, blue for the blind control unit, magenta for light scenes and orange for the heating control unit. These colours are also found on the rocker switches of the control element panels.



Busch-priOn®
Rotary control element,
black glass,
stainless steel cover strips



The rotary control element is equipped with a freely programmable button which can be pressed and turned. It can be used to switch and dim individual lamps, but also to switch on whole groups of lamps with one press of a button and vary their brightness continuously via the dial.

Functions

- Dimming
- Blinds
- Value
- Light scenes
- Logic functions
- Time functions

Features

- Illuminated dial
- Colour coding concept
- Removal protection
- Day/night operation

Busch-priOn®
1-fold control element,
black glass,
stainless steel cover strips



The single control element is equipped with a freely programmable "large" operating button. It can be assigned to one topic and can carry out a maximum of two commands.

Functions

- Switching
- Dimming
- Blinds
- Value
- Buttons
- Light scenes
- Logic functions
- Time functions

Features

- Illuminated rocker switch
- Colour coding concept
- Freely programmable control button
- Removal protection
- Replaceable labelling symbol (Fig. shows Lighting labelling symbol)

Busch-priOn®
3-fold control element,
black glass,
stainless steel cover strips



The triple control element is equipped with 3 freely programmable control buttons. Each can be assigned to one topic and can carry out a maximum of two commands.

Functions

- Switching
- Dimming
- Blinds
- Value
- Buttons
- Light scenes
- Logic functions
- Time functions

Features

- Illuminated rocker switches
- Colour coding concept
- Freely programmable control buttons
- Removal protection
- Replaceable labelling symbol (Fig. shows labelling symbols Lighting, Blinds and Scene)



Busch-priOn®
2-gang combination,
black glass,
stainless steel cover strips

Busch-priOn®
3-gang combination,
black glass,
stainless steel cover strips

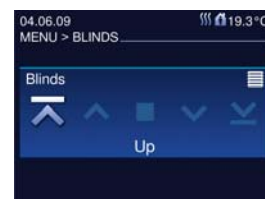


Busch-priOn® is ideal in combination with the carat® switch series, which has surfaces in the same design.

The 3.5" TFT display gives a clear overview of all information. Operation is simple and intuitive, supported by the colour coding concept. It is possible to freely combine several **Busch-priOn®** elements with each other. The display and a special dial allow simple and convenient control.

Busch-priOn® is a non-fixed, modular-design system. The rocker switches of the triple control element allow you to call up freely programmable functions such as light scenes, blind functions or specific lamps.

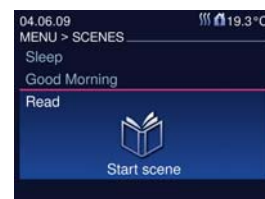
Note: We can only give you a rough idea here of the wide range of combinations offered by this modular concept. For more detailed information, see our separate product brochure / planning aid or the catalogue.



Blinds



Heating



Scene

The 3.5" TFT display gives a clear overview of all information. The user can choose from 3 surface designs: black, blue and silver.

Choose from 4 high-quality designs: white glass, black glass, alabaster studiowhite and stainless steel with anti-fingerprint coating.

NEW



Black glass,
stainless steel
cover strip



Glossy
alabaster
studiowhite,
cover strip
black glass



Stainless steel,
stainless steel
cover strip



White glass,
stainless steel
cover strip



reddot design award
best of the best 2008

Busch-priOn® received special commendation in the category "best of the best," winning the "red dot award: communication design 2008" for its interface design.

KNX sensor Busch-triton®. Elegant ergonomics.

The KNX sensor Busch-triton® is probably the most innovative control element for building system technology in residential buildings and representative areas, e.g. in hotels. It has freely programmable switches, is multi-functional and is flexibly adjustable to the habits of the users.

KNX sensor Busch-triton®
1-fold control element
with rear-illuminated
labelling area



The 1-fold control element is equipped with a freely programmable "large" switch. It can be assigned to one subject and carry out a maximum of two commands.

Functions

- Switching
- Dimming
- Blinds
- Value
- Button

Features

- Labellable switch rockers
- Rear-illuminated labelling field
- Anti-theft protection
- Freely programmable switch
- Combinable with flush-mounted actuators

KNX sensor Busch-triton®
3-fold control element
with rear-illuminated
labelling area and IR
reception



By means of the additional key, it is possible to store light scenes, deactivate the switching error protection and activate the labelling area rear illumination.

Functions

- Switching
- Dimming
- Blinds
- Light scenes
- Switching error protection
- 3 IR channels connected directly to the rockers

Features

- Labellable switch rockers
- Rear-illuminated labelling field
- Anti-theft protection
- Freely programmable switches
- IR remote-controllable

KNX sensor Busch-triton®
3-fold control element
with rear-illuminated
labelling field, LCD dis-
play and IR reception



By means of the additional key, it is possible to store light scenes, activate the labelling field rear illumination and scroll the display texts.

Functions

- Independent LCD display for 5 text / value messages
- Alarm messages
- Switching
- Dimming
- Blinds
- Light scenes
- 3 IR channels connected directly to the rockers

Features

- Labellable switch rockers
- Rear-illuminated labelling field
- Anti-theft protection
- Freely programmable switches
- IR remote-controllable

KNX sensor Busch-triton®
3-fold control element with
rear-illuminated labelling
field, integrated room ther-
mostat without IR recep-
tion



The control element has two operating levels. In the first level, the local operations are triggered, the additional key is used to access the second operating level with which the heating control can be operated.

Functions

- LCD display for room thermostat functions
- Comfort
- Stand-by
- Night operation
- Frost protection
- Heating
- Cooling
- Fan control
- Switching
- Dimming
- Blinds
- Value

Features

- Labellable switch rockers
- Rear-illuminated labelling field
- Anti-theft protection
- Freely programmable switches



KNX sensor Busch-triton®
5-fold control element with rear-illuminated labelling area and IR reception

KNX sensor Busch-triton®
5-fold control element with rear-illuminated labelling field, LCD display and IR reception

KNX Sensor Busch-triton®
5-fold control element with rear-illuminated labelling field, integrated room thermostat incl. IR reception.



By means of the additional key, it is possible to store light scenes or to activate the labelling field rear illumination.

Functions

- Switching
- Dimming
- Blinds
- Light scenes
- 5 IR channels connected directly to rockers

Features

- Labellable switch rockers
- Rear-illuminated labelling field
- Anti-theft protection
- Freely programmable switches
- IR remote-controllable

By means of the additional key, it is possible to store light scenes, activate the labelling field rear illumination and scroll the display texts.

Functions

In addition to the functions of the 5-fold control element:

- Independent display for 5 text / value messages
- Displays and alarm messages

Features

- (additional)
- LCD display
- Alarm messages

The control element has two operating levels. In the first level, the local operations are triggered, the additional key is used to access the second operating level with which the heating control can be operated.

Functions

- LCD display for room thermostat functions
- Comfort
- Stand-by
- Night operation
- Frost protection
- Heating
- Cooling
- Fan control
- Switching
- Dimming
- Blinds
- Value
- Light scenes

Features

- Labellable switch rockers
- Rear-illuminated labelling field
- Anti-theft protection
- Freely programmable switches



brilliant black



obsidian



alusilver



platinum



bronze



palladium



champagne metallic



ivory



studio white, matt

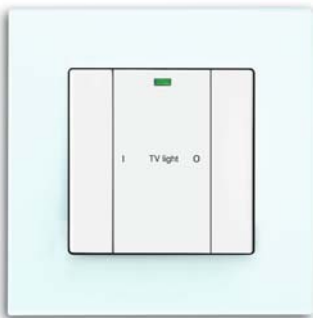


studio white, high gloss

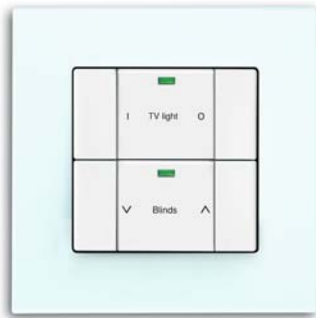
KNX sensor carat®. High-quality design. Genuine materials.

Its straight and elegant shape combined with high-grade natural materials makes **carat®** an absolute eye-catcher. On account of its various materials and possible colour variations, the range is appropriate both for sober, design-oriented environments and in timelessly modern, classically stylistic ambiances.

KNX sensor carat® 1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** with labelling area forms the basic sensor system of the KNX carat® range.



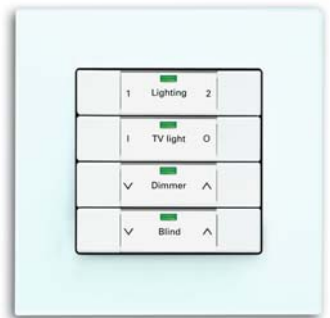
Functions

- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable buttons

KNX sensor carat® 4-fold control element Multifunction with labelling area



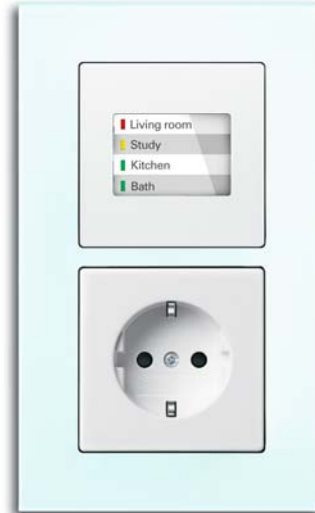
This **multifunction sensor** is freely programmable and, in contrast to the basic sensors, has additional separate light scenes and valuable objects.

Functions

- Light scenes
- Value
- Switching
- Dimming
- Blinds
- Buttons

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable buttons



Functions

- Switching
- Dimming
- Blinds

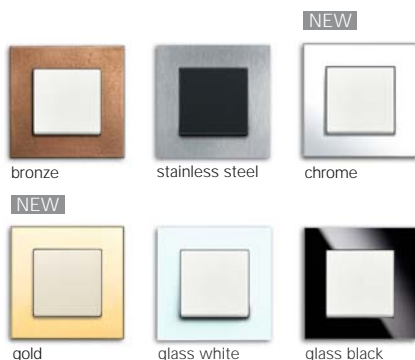
Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

carat®

Colour harmony

Only high-grade genuine materials are used for the frame. The range can be combined with the many colour options of the solo® and future® (supplemented with anthracite).





KNX sensor carat®
Room thermostat*
Room thermostat with
2-fold sensor



The **room thermostat** has an LCD display that indicates the current temperature and the respective operating mode.

Functions

- Comfort
- Stand-by
- Night mode
- Frost protection
- Specified temperature
- Time
- Date
- Heating
- Cooling
- Light scenes
- Value
- Fan control

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminated display

KNX sensor carat®
Weekly timer with
2-fold sensor



The **2-channel weekly timer** has an LCD display on which the time and the statuses of the 2 switch hands are displayed via graphics.

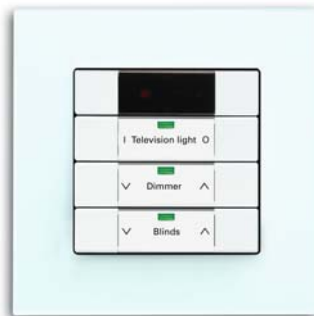
Functions

- 4 switch blocks per channel
- Astro function
- Random function
- Switching
- Dimming
- Blinds
- Push switch
- Light scenes
- Value
- Air control

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminable display
- Manual time setting via local operation

KNX sensor carat®
IR sensor with 3-fold
control element



The **sensor** has 5 IR channels, of which channels 1-3 are directly connected to the rockers, and channels 4 and 5 are freely assignable.

Functions

- 5 IR channels
- 3 IR channels directly connected to the rockers
- 2 IR channels, freely assignable
- Switching
- Dimming
- Blinds
- Button
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable control switches

KNX sensor carat®
RS 232 interface*
USB-interface



The **interfaces** allow access to the ABB i-bus® KNX.

KNX sensor carat®
Flush-mounted move-
ment detector



The **movement detector** is equipped with a comfort lens, which allows not only horizontal detection, but also at an angle of 7° downwards.

*product without picture. Please see product range overview.

KNX sensor *pure stainless steel*. Unmistakable aesthetics.

Not only for individual private areas, but also in modern industrial and public architecture, everywhere sophisticated forms are preferred, the KNX *pure stainless steel* is used. The complete range from the *pure stainless steel* switch programme is available, so there are no limits to the possible combinations.



KNX sensor *pure stainless steel*
1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** with labelling area form the basic sensors of the KNX *pure stainless steel* linear range.

Functions

- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

Functions

- Switching
- Dimming
- Blinds

Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

pure stainless steel



The design of *pure stainless*

steel shows a clear, reduced

form for perfect architecture.

This switch is made of the mate-

rial of the future. A stainless steel

surface, on which fingers cannot

leave any prints. It thus remains

constant and beautiful. Just like

on the first day.



KNX sensor pure stainless steel
4-fold control element,
multi-function with
labelling area



This **multi-function sensor** is freely programmable and, in contrast to the basic sensors, has additional separate light scene and valuable objects.

Functions

- Light scenes
- Value
- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

KNX sensor pure stainless steel
Room thermostat*
Room thermostat
with 2-fold sensor



The **room thermostat** has an LCD display which indicates the current temperature and the respective operating status.

Functions

- Comfort
- Stand-by
- Night operation
- Frost protection
- Specified temperature
- Time
- Date
- Heating
- Cooling
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminated display

KNX sensor pure stainless steel
Weekly timer with
2-fold sensor.



The **2-channel weekly timer** has an LCD display on which the time and the statuses of the 2 switch hands are displayed via graphics.

Functions

- 4 switch blocks per channel
- Astro function
- Random function
- Switching
- Dimming
- Blinds
- Push switch
- Light scenes
- Value
- Air control

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminable display
- Manual time setting via local operation

KNX sensor pure stainless steel
IR sensor with triple
control element



The **sensor** has 5 IR channels, of which channels 1-3 are directly coupled with the rockers and channels 4 and 5 are freely assignable.

Functions

- 5 IR channels
- 3 IR channels connected directly to the rockers
- 2 IR channels freely assignable
- Switching
- Dimming
- Blinds
- Button
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

KNX sensor pure stainless steel
RS 232 interface*
USB-interface



The **interfaces** allow access to the ABB i-bus® KNX.

KNX sensor pure stainless steel
Flush-mounted movement detector



The **movement detector** is equipped with a comfort lens which allows not only horizontal detection but also at an angle downwards of 7°.

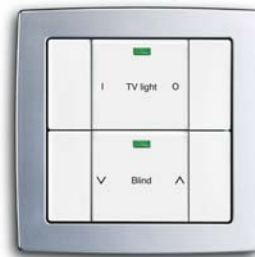
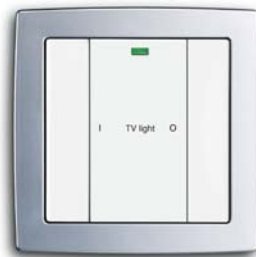
*product without picture. Please see product range overview.

KNX sensor solo®. Unmistakable aesthetics.

Not only for individual private areas, but also in modern industrial and public architecture, everywhere sophisticated forms are preferred, the KNX solo® is used. The complete range from the solo® switch programme is available, so there are no limits to the possible combinations.



KNX sensor solo®
1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** with labelling area form the basic sensors of the KNX solo® range.

Functions

- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

Functions

- Switching
- Dimming
- Blinds

Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

solo®

colour harmony

In the solo® colour concept, every shade is defined as an optical unit.

The shades of colour, designated as mixed shades or so-called non-colours, purposely seek no direct relation to the furnishings and fittings.

For all uniformity is boring.



davos



savanne



manhattan

NEW



toscana

NEW



sahara



meteor



huskie



KNX sensor solo®
4-fold control element,
multi-function with
labelling area



This **multi-function sensor** is freely programmable and, in contrast to the basic sensors, has additional separate light scene and valuable objects.

Functions

- Light scenes
- Value
- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

KNX sensor solo®
Room thermostat*
Room thermostat
with 2-fold sensor



The **room thermostat** has an LCD display which indicates the current temperature and the respective operating status.

Functions

- Comfort
- Stand-by
- Night operation
- Frost protection
- Specified temperature
- Time
- Date
- Heating
- Cooling
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminated display

KNX sensor solo®
Weekly timer with
2-fold sensor.



The **2-channel weekly timer** has an LCD display on which the time and the statuses of the 2 switch hands are displayed via graphics.

Functions

- 4 switch blocks per channel
- Astro function
- Random function
- Switching
- Dimming
- Blinds
- Push switch
- Light scene extension
- Value
- Air control

Features

- Labellable switch rockers
- Anti-theft protection
- Manual time setting via local operation

KNX sensor solo®
IR sensor with triple
control element



The **sensor** has 5 IR channels, of which channels 1-3 are directly coupled with the rockers and channels 4 and 5 are freely assignable.

Functions

- 5 IR channels
- 3 IR channels connected directly to the rockers
- 2 IR channels freely assignable
- Switching
- Dimming
- Blinds
- Button
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

KNX sensor solo®
RS 232 interface*
USB-interface



The **interfaces** allow access to the ABB i-bus® KNX.

KNX sensor solo®
Flush-mounted
movement detector



The **movement detector** is equipped with a comfort lens which allows not only horizontal detection but also at an angle downwards of 7°.

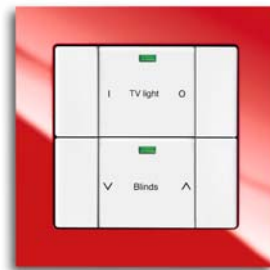
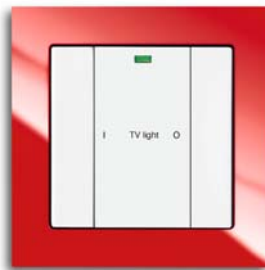
*product without picture. Please see product range overview.

KNX sensor Busch-*axcent*[®]. Colour complements function.

The Busch-*axcent*[®] switch series from Busch is the perfect choice for flawless accent colours. Our range of fresh colours can be matched with selected furniture or with a work of art in the room. Thanks to the dummy joint and white supporting element, the switch almost appears to float in front of the wall.



KNX sensor Busch-*axcent*[®]
1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** with labelling area form the basic sensors of the new KNX Busch-*axcent*[®] range.

Functions

- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

Functions

- Switching
- Dimming
- Blinds

Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

Busch-*axcent*[®] colour harmony

Busch-*axcent*[®] offers you fresh, modern colours and a contemporary design.

Busch-*axcent*[®] offers you creativity. Brighten your home with individual functions and solutions.

Highlight the functions that are important to you with a particularly distinctive colour.



NEW



**KNX sensor
Busch-axcent®**
4-fold control element,
multi-function with
labelling area



This **multi-function sensor** is freely programmable and, in contrast to the basic sensors, has additional separate light scene and valuable objects.

Functions

- Light scenes
- Value
- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

**KNX sensor
Busch-axcent®**
Room thermostat*
Room thermostat
with 2-fold sensor



The **room thermostat** has an LCD display which indicates the current temperature and the respective operating status.

Functions

- Comfort
- Stand-by
- Night operation
- Frost protection
- Specified temperature
- Time
- Date
- Heating
- Cooling
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminated display

**KNX sensor
Busch-axcent®**
Weekly timer with
2-fold sensor.



The **2-channel weekly timer** has an LCD display on which the time and the statuses of the 2 switch hands are displayed via graphics.

Functions

- 4 switch blocks per channel
- Astro function
- Random function
- Switching
- Dimming
- Blinds
- Push switch
- Light scenes
- Value
- Air control

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminable display
- Manual time setting via local operation

**KNX sensor
Busch-axcent®**
IR sensor with triple
control element



The **sensor** has 5 IR channels, of which channels 1–3 are directly coupled with the rockers and channels 4 and 5 are freely assignable.

Functions

- 5 IR channels
- 3 IR channels connected directly to the rockers
- 2 IR channels freely assignable
- Switching
- Dimming
- Blinds
- Button
- Light scenes
- Light scene
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

**KNX sensor
Busch-axcent®**
RS 232 interface*
USB-interface



The **interfaces** allow access to the ABB i-bus® KNX.

**KNX sensor
Busch-axcent®**
Flush-mounted move-
ment detector



The **movement detector** is equipped with a comfort lens which allows not only horizontal detection but also at an angle downwards of 7°.

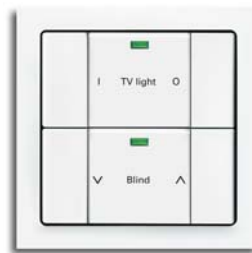
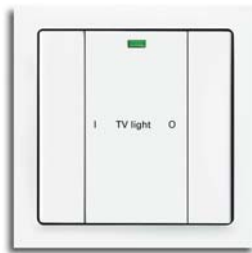
*product without picture. Please see product range overview.

KNX sensor future®/future® linear. Timeless design.

The KNX sensor future®/future® linear is used in particular in functional buildings. Timeless design is combined with the elementary advantage of excellent practical value. In office buildings such as banks and in the public sector, the formal reduction in their uncompromising clarity forms an attractive oneness with the stylistic purism of modern architecture.



KNX sensor future® linear 1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** with labelling area form the basic sensors of the KNX future® linear range.

Functions

- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

Functions

- Switching
- Dimming
- Blinds

Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

future®/future® linear colour harmony

The future® colour concept, with its reduction to the essence, enhances a calm architectural environment, independent of time and trends. Individuality and style as shown by the architecture.

future®



future® linear





KNX sensor future®
4-fold control element,
multi-function with
labelling area



This **multi-function sensor** is freely programmable and, in contrast to the basic sensors, has additional separate light scene and valuable objects.

Functions

- Light scenes
- Value
- Switching
- Dimming
- Blinds
- Button

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

KNX sensor future®
Room thermostat*
Room thermostat
with 2-fold sensor



The **room thermostat** has an LCD display which indicates the current temperature and the respective operating status.

Functions

- Comfort
- Stand-by
- Night operation
- Frost protection
- Specified temperature
- Time
- Date
- Heating
- Cooling
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminated display

KNX sensor future®
Weekly timer with
2-fold sensor.



The **2-channel weekly timer** has an LCD display on which the time and the statuses of the 2 switch hands are displayed via graphics.

Functions

- 4 switch blocks per channel
- Astro function
- Random function
- Switching
- Dimming
- Blinds
- Push switch
- Light scenes
- Value
- Air control

Features

- Labellable switch rockers
- Anti-theft protection
- Illuminable display
- Manual time setting via local operation

KNX sensor future®
IR sensor with triple
control element



The **sensor** has 5 IR channels, of which channels 1-3 are directly coupled with the rockers and channels 4 and 5 are freely assignable.

Functions

- 5 IR channels
- 3 IR channels connected directly to the rockers
- 2 IR channels freely assignable
- Switching
- Dimming
- Blinds
- Button
- Light scenes
- Value

Features

- Labellable switch rockers
- Anti-theft protection
- Freely programmable switches

KNX sensor future®
RS 232 interface*
USB-interface



The **interfaces** allow access to the ABB i-bus® KNX.

KNX sensor future®
Flush-mounted move-
ment detector



The **movement detector** is equipped with a comfort lens which allows not only horizontal detection but also at an angle downwards of 7°.

*product without picture. Please see product range overview.

KNX sensor *alpha nea*®. Harmonious proportions.

This series of switches for residential and functional buildings combines comfort and atmosphere in equal proportion. Thanks to the significantly reduced form and expressive details, such as the gently rounded edges, the *alpha nea*® can be integrated in nearly every furnishing concept.



KNX sensor *alpha nea*®
1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** form, as standard control elements, the basis of the *alpha nea*® range.

Functions

- Switching
- Dimming
- Blinds
- Button
- Value

Features

- Vertical operating toggle switches

Functions

- Switching
- Dimming
- Blinds

Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

***alpha nea*®**

pure aesthetics

The *alpha nea*® colour concept underlines the harmony of any architectural environment.

Colours for people whose love of detail is evident in the environment of a comfortable atmosphere.



studio white



studio white, matt



ivory



bronze



platinum



marine blue



marine blue/
platinum*



mahogany/bronze*

*Colour discontinued



**KNX sensor
alpha nea®
Room thermostat**



The **room thermostat** has LEDs which display the individual operating modes. The specified temperature is set by means of the dial on the front of the unit.

Functions

- Comfort
- Stand-by
- Night operation
- Frost protection
- Dew point object
- Heating
- Cooling

Features

- Specified temperature adjusted by dial
- Anti-theft protection
- Operating modes shown by status LEDs

**KNX sensor
alpha nea®
Flush-mounted
IR interface**



The **IR sensor** with 1-fold control element.

Functions

- IR channels can be parametered
- Switching
- Dimming
- Blinds

Features

- Remote-controllable
- 5 IR channels
- Local operation

**KNX sensor
alpha nea®
Flush-mounted
movement detector**



The **movement detector** is equipped with a comfort or multiple lens. The comfort lens has a horizontal surveillance zone. The multiple lens provides, in addition to the horizontal surveillance zone, surveillance at an angle of 7° downwards.

Functions

- Continuous light
- Adjustable sensitivity
- Adjustable switch-off delay

Features

- Potentiometer
- Sliding ON/OFF switch

**KNX sensor
alpha nea®
USB-interface**



The **interfaces** allow access to the ABB i-bus® KNX.

**KNX sensor
alpha nea®
Flush-mounted
LCD display**



The **LCD display** serves to display texts, values and operating statuses. By means of the keys, functions can be activated directly and scrolling between the individual displays of the 8-line display is possible.

Functions

- 2 x 4 line display of 16 characters
- Switch objects
- Value
- Alarm messages
- Sensor function

Features

- Display rear illumination
- Switch functions
- Rear-illuminated display

KNX sensor *alpha exclusive*[®]. Individual accents.

Sets the tone for an individual style in residential and functional buildings. The *alpha exclusive*[®] is superior and unconventional in shape. It can adapt to the style of its environment and still prove its individuality. In its shape it combines elegance and extravagance, and sets the tone in an exclusive environment.



KNX sensor *alpha exclusive*[®]
1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** form, as standard control elements, the basis of the *alpha exclusive*[®] range.

Functions

- Switching
- Dimming
- Blinds
- Button
- Value

Features

- Vertical operating toggle switches

Functions

- Switching
- Dimming
- Blinds

Features

- In combination with the WaveLine window sensor, the LED display shows the status of the windows (open/tilted/closed)

alpha exclusive[®] colour harmony

The colours of this series of switches rely on individuality in detail. They stand for materials with everlasting charm – from prehistoric rock to

high-grade metal. Its clarity and power of expression are as unique as nature itself.



alabaster



ivory



titanium



palladium



obsidian



chrome / amber



**KNX sensor
alpha exclusive®
Room thermostat**

**KNX sensor
alpha exclusive®
Flush-mounted
IR interface**

**KNX sensor
alpha exclusive®
Flush-mounted
movement detector**

**KNX sensor
alpha exclusive®
USB-interface**

**KNX sensor
alpha exclusive®
Flush-mounted
LCD display**



The **room thermostat** has LEDs which display the individual operating modes. The specified temperature is set by means of the dial on the front of the unit.

Functions

- Comfort
- Stand-by
- Night operation
- Frost protection
- Dew point object
- Heating
- Cooling

Features

- Specified temperature adjusted by dial
- Anti-theft protection
- Operating modes shown by status LEDs

IR sensor with 1-fold control element.

Functions

- IR channels can be parametered
- Switching
- Dimming
- Blinds

Features

- Remote-controllable
- 5 IR channels
- Local operation

The **movement detector** is equipped with a comfort or multiple lens. The comfort lens has a horizontal surveillance zone. The multiple lens provides, in addition to the horizontal surveillance zone, surveillance at an angle of 7° downwards.

Functions

- Continuous light
- Adjustable sensitivity
- Adjustable switch-off delay

Features

- Potentiometer
- Sliding ON/OFF switch

The **interfaces** allow access to the ABB i-bus® KNX.

The **LCD display** serves to display texts, values and operating statuses. By means of the keys, functions can be activated directly and scrolling between the individual displays of the 8-line display is possible.

Functions

- 2 x 4 line display of 16 characters
- Switch objects
- Value
- Alarm messages
- Sensor function

Features

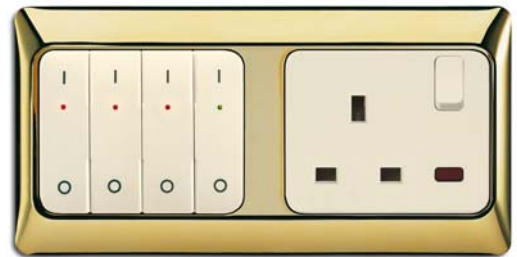
- Display rear illumination
- Switch functions
- Rear-illuminated display

KNX sensor *alpha bs*[®].

This series of switches for residential and functional buildings combines comfort and atmosphere in equal proportion. Thanks to the significantly reduced form and expressive details, such as the gently rounded edges, the *alpha bs*[®] can be integrated in nearly every furnishing concept.



KNX sensor *alpha bs*[®]
1-fold, 2-fold and 4-fold



The **1-fold, 2-fold and 4-fold control elements** form, as standard control elements, the basis of the *alpha bs*[®] range.

Functions

- Switching
- Push switching
- Dimming
- Blinds
- Value

Features

- Vertical operating toggle switches
- Status LED's

alpha bs[®] different by design

The *alpha bs*[®] colour concept underlines the harmony of any architectural environment. Colours for people whose love of detail is evident in the environment of a comfortable atmosphere.



ivory

studio white



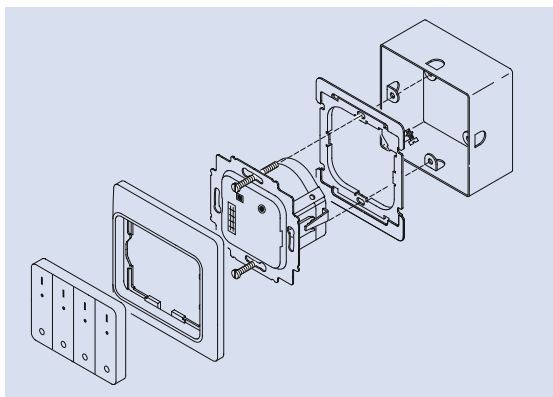
gold/ivory

palladium



platinum

bronze



Specialities, like electronic devices, are to be installed with the help of an adapter plate.

KNX sensor *alpha bs*®

Step 1:
Choose your insert



Step 2:
Choose your frame



Step 3:
Choose your coverplate



Final product



Switch Connection Unit KNX. Ideal for building objects.

The Switch Connection Unit offers the opportunity to design economical solutions with KNX in commercial projects, which have a basic budget for the electrical installation system. It is fully compatible to the wiring accessories of ABB. Illumination integrated. ABB wiring accessories are available for VDE (e.g. Germany, Spain, France, ...) and British Standard.



Ricarda-Huch-school, Giessen



Examples of functional options

| 1-fold Switch | 2-fold Switch | 1-fold Push Switch | 2-fold Push Switch |
|---------------|---------------|--------------------|--------------------|
| 1 x Switch | 2 x Switch | 1 x Switch | 2 x Switch |
| | | 1 x Dimmer | 2 x Dimmer |
| | | | 1 x Shutter |

Multiple combination option*

German Range



Spanish Range



Czech Range



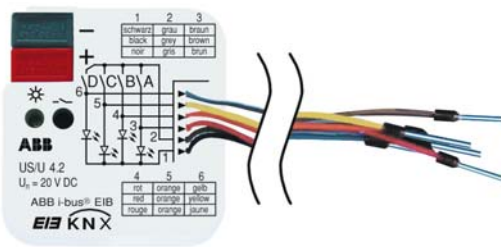
*the mentioned range is a collection of ABB ranges worldwide.

Please ask your local distributor for the available ranges in your country.

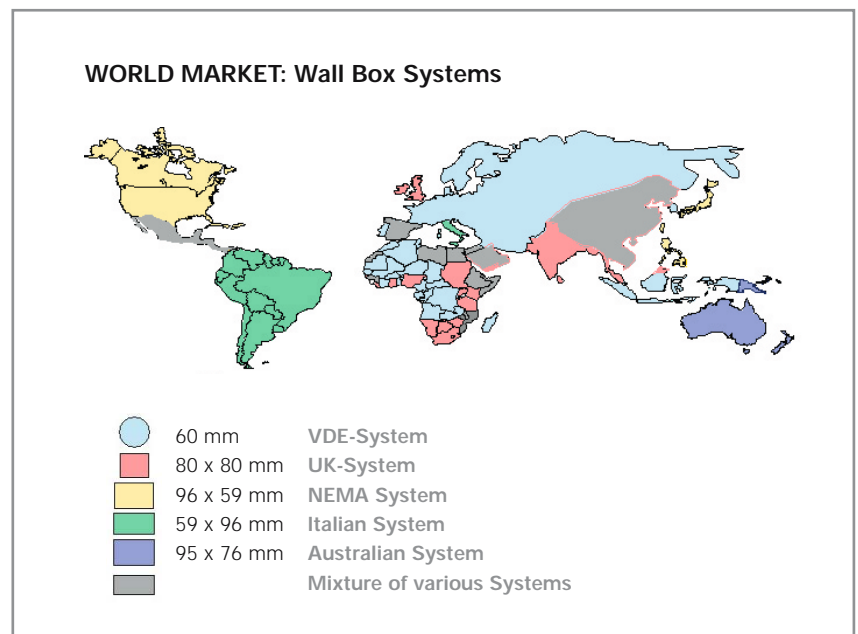
Universal interface KNX.

The Universal Interface allows the integration of KNX in buildings worldwide and independent from the local installation standards. Lots of common KNX functions are covered by use of the Universal Interface, as Switch-, and Dimmfunctions, but as well Shutter Control, Scenes ... Illumination of traditional wiring accessories is possible.

Universal interface KNX



The Universal Interface with 2 or 4 channels respectively which can parameterised as input or output. Conventional push-buttons, auxiliary contacts, LEDs and electronic relays can be used together with the device to fulfil a wide variety of applications worldwide.



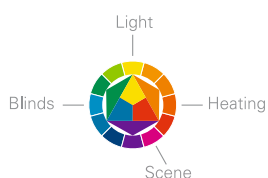
Busch-ComfortTouch®. Every day an individual experience.

Busch-ComfortTouch® offers not only an extremely versatile range of switching and control functions for KNX systems, but also satisfies the highest design requirements. Its unique colour coding concept makes for particularly easy operation.



Unique colour coding concept for ease of operation.

Simplicity and user-friendliness are always the top priorities for operation. Busch-Jaeger has developed a new and unique colour coding concept for the user interface of its intelligent home control system. Each comfort area is assigned a specific colour. Yellow stands for lighting, blue for the blind control unit, magenta for light scenes and orange for the heating control unit. These colours are also used in the menus on the display.



Busch-ComfortTouch® unites the functions of a home control system, an information and entertainment centre with the highest design requirements. You can use Busch-ComfortTouch® to switch lamps on and off, dim them, control blinds, room temperature or select scenes comprising a combination of the above-named functions – even via remote control. There is also an integra-

ted audio and video player. These functions are not only of interest for private households – the system is often used in doctor's surgeries, offices, restaurants or stores to provide attractive lighting, soft background music or comfortable room climates. A presence simulation function and alarm message display provide added security. It is also possible to display images from sur-

veillance cameras. The system can be connected to the Internet, enabling you to call up e-mails, the latest stock market news, the weather forecast or traffic information. Operation is simple and easy via touch screen. A menu created individually for the user with clearly assigned buttons and a unique colour coding concept allow simple and intuitive operation.

NEW



Glass white, design cover aluminium



Glass white, design cover chrome



Integrated MP3 player



Memo field



Video surveillance

The system is controlled via the Busch-ComfortTouch® – it couldn't be easier. Buttons with text and symbols allow intuitive operation. Just a touch of the finger, and you can call up the MP3-player and play individual titles or playlists. And the volume is regulated via the panel, too. The

ideal solution, not only for homes – the system is, for example, popular in restaurants. No more CDs lying around, no more finding space for a conventional hifi centre. The system can also be used to call up light scenes for various situations, from a cosy dinner at home to night-time lighting for store wind-

ows, at the press of a button or via a time-controlled function. Another useful feature is the handy memo field allowing you to write text by hand - use it, for example to write a shopping list or for leaving messages for others. Colour pictures from surveillance cameras on stairways or outside the

building can be called up on the display, offering added security. This allows you to keep an eye on the building at all times – handy, for example, for checking the surrounding area before opening the door for customers in the morning or when the door-bell rings.

NEW



Black glass, design cover aluminium



Black glass, design cover chrome



reddot design award
best of the best 2008

Busch-ComfortTouch® received special commendation in the category "best of the best," winning the "red dot award: communication design 2008" for its interface design

SMARTtouch. Harmony of function and design.

The Busch-Jaeger LEAN- and SMARTtouch do not just look good, they also offer numerous functions for switching and controlling an KNX system. This versatile display and operating unit can be used simply and with intuition.



Black glass with chrome flap

The chromium-plated flap automatically opens downwards when slight pressure is applied.



The LEAN- and SMARTtouch offer a number of functions, depending on version, e.g. switching, dimming, blind control, measurement value display, switch time control, light scene control or display and storage of alarm and disturbance signals. In addition, the panel can be used as a room thermostat or timer/alarm clock, and has an

additional information function with which information can be recorded. Operation is simple and intuitive. By means of the PDA pen, the functions are carried out by means of the touchscreen buttons labelled in clear text. Control of the functions is facilitated by a clear menu structure. The LEAN- and SMARTtouch can be operated conveniently

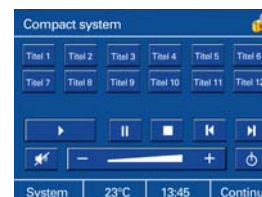
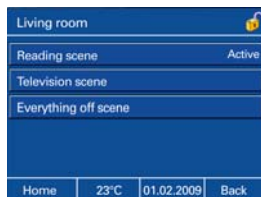
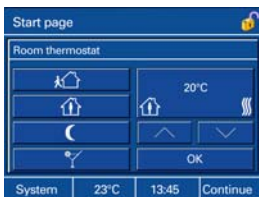
by means of an infrared hand-held transmitter, which allows the equipment or functions to be controlled from a distance. The panel is available in three versions: as LEANtouch with monochrome display for more than 30 functions, and as SMARTtouch with monochrome or colour display for more than 100 functions.



Black glass with chrome flap



White glass with aluminium flap



On the Start page of the SMARTtouch, there are up to 10 touch-screens, which, for example, reflect the room layout of a house. With the buttons of the footer, the room temperature and time can be read off at any time, and also direct access to the integrated individual room thermostat and time programs is possible. If a touch button on the start page is touched with the PDA

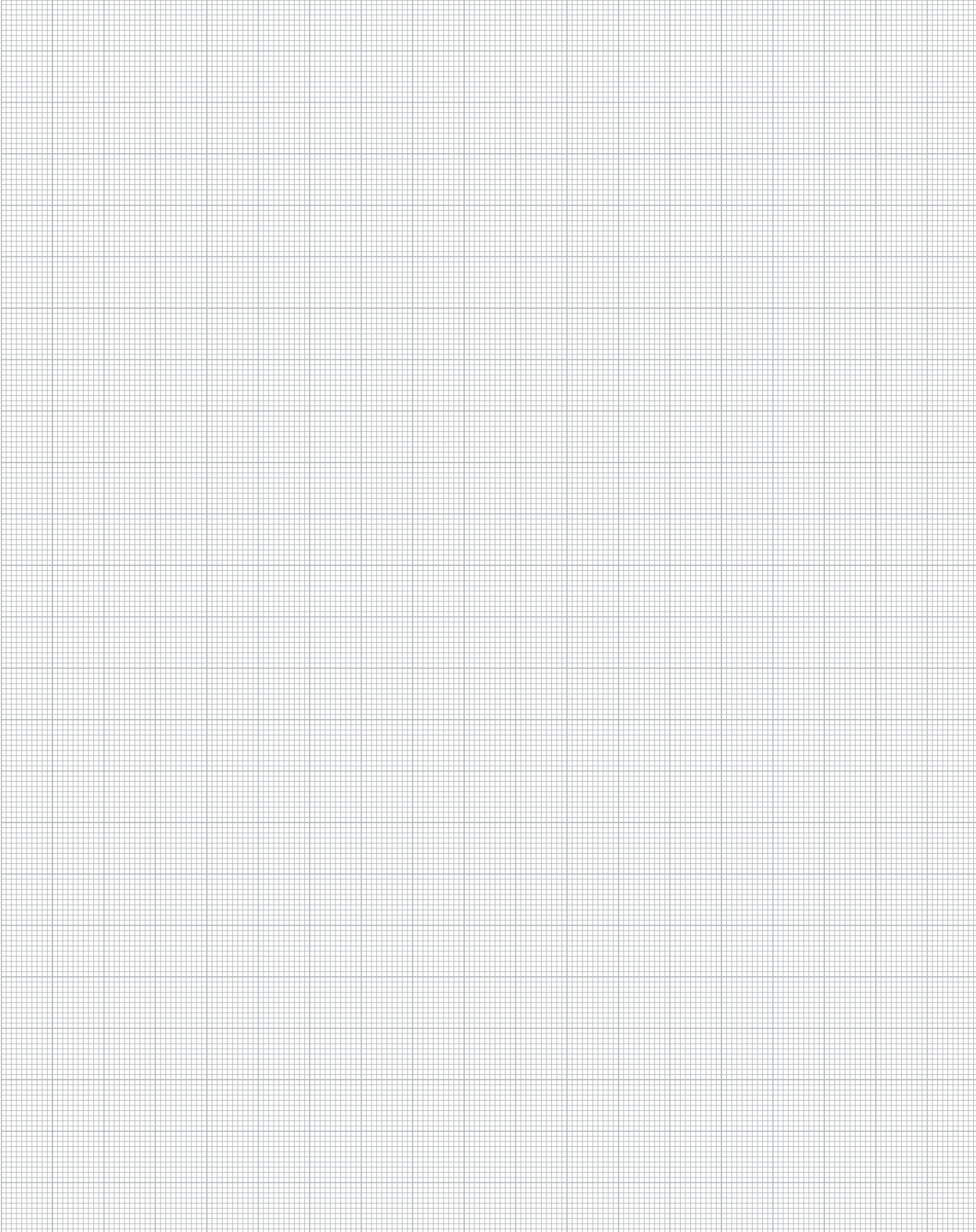
pen, you go directly to the overview of the individual functions of the room (e.g. of the living room) or function group. On the display, the current statuses, e.g. the switch functions or measurement values, are displayed in clear text. With another touch on the respective individual function, an operation window opens, by means of

which, for example, the brightness of the ceiling light can be altered. By means of the "Home" button in the footer, you can return from the operation page back to the start page. In addition, the LEAN-/SMARTtouch has a "child-proofing device", with which the entire operation can be blocked. The respective locking symbol is displayed in the header.



Behind the chromium-plated flap, there are function elements such as the PDA pen for operating the touch-screen.

Notes



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