



# ABB i-bus<sup>®</sup> KNX

Overview of KNX sensors and user operation

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SMART BUILDING

Rooms with intelligence. Modern building automation has become more efficient than ever in order to meet the many demands of people living and working in the building. Adaptable systems turn the modern functional building into a smart building. They create an environment in which communication and creativity can freely express themselves. Ideal for efficiency, perfect for the future.





# KNX sensors ABB i-bus® KNX

## Operation and display the direct way

Networked structures work more efficiently than individual systems. They reduce energy consumption and thus operating costs in buildings, while adding distinguishing detail to the room decor.



ABB KNX control elements form the interface between this state-of-the-art technology and the user. They provide comfort and security. They control lighting, heating, fresh air supply and blinds. They integrate media technology and the Internet. With Building Space®, ABB sets new



standards: while powerful, intelligent technology with energy-saving functions works reliably in the background, the control elements are visible and clearly arranged, guaranteeing intuitive operation for the end user.

## KNX

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### Further information

Further information is available on the Internet at [solutions.abb/ch-knx](http://solutions.abb/ch-knx) or by telephone under +41 58 586 06 53.



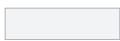
# ABB tacteo® KNX

## The individual touch

Intelligent control that adapts to your individual needs.



Black glass



White glass

Which functions do you need? Make a selection with our configurator.



The ABB tacteo® KNX sensor is a capacitive control element for the intelligent building automation of high-end luxury hotels, offices and public and residential buildings.

ABB tacteo® KNX meets all the requirements that a modern design demands – the highest levels of quality and above all comfort: from blinds, lighting and heating to media and access, everything is easy to control.

Are you an architect planning a building with maximum functionality and a personal touch? Do you desire a modern home that is as individual as you are? Design your KNX sensor with the ABB tacteo® configurator, completely as you like. The number of functions is variable and can be determined according to your specific needs and wishes. Individually configured as required, each sensor is unique in design and function.

### Product overview



You can find the complete product range online at [solutions.abb/ch-knx](https://solutions.abb/ch-knx)



Six symbol control element

86 × 86



Four symbol control element with room temperature control

86 × 157



Room outside sensor with card reader

86 × 115



Motion detector Wächter 180°

86 × 115



Room outside sensor with card reader and room number

86 × 157



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ABB tacteo® KNX combines maximum functionality with a personal atmosphere. For first-class hotels, residential buildings and public buildings with the highest standards of design.

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## Advantages for you at a glance



### **Configurator and simple ordering process**

Design your KNX sensors exactly as you want them. You determine the design and functions, you can define icons and texts and also select the colours of the housing and buttons – completely in keeping with the established colour control concept. As soon as the configuration is completed and the finished sensors are saved, you will receive an individual design ID. All of your project sensors, including ID, are added to a parts list. This list allows the wholesaler to produce your personal sensors. Thanks to the design ID, the unique sensors can be retrieved and ordered again at a later date. The configurator can be found at:

**tacteo-configurator.**  
**my.abb-livingspace.com**



### **Hotel access control**

The ABB tacteo® KNX range offers secure access control for the hotel and hospitality industry. The sensor performs all the management tasks of a hotel operation, which can be controlled from a central point.



### **Flat and theft-proof**

The frameless and extra-flat KNX sensor sits almost flush with the wall and blends harmoniously into any wall design. Peace of mind is provided by the optional removal guard, which protects the KNX sensor from theft.



### **Intuitive operation**

The capacitive KNX glass sensors react without any touch or contact. When moving your hand towards the sensor, the status lighting switches on automatically. On the other hand, touching the sensor with the entire palm of your hand triggers a preprogrammed function. With a tap of the finger the desired function can be activated.

# Busch-VoiceControl® KNX

## Control completely by voice

The building of the future recognises the needs of its users. It reacts individually – automatically and without being asked to do so.

—  
01 Busch-VoiceControl® KNX



—  
01

Busch-VoiceControl® KNX offers the unique possibility of controlling buildings completely by voice command with the digital speech assistants Apple HomeKit, Amazon Alexa and Google Assistant. Whether switches, dimmers, blinds or thermostats, you decide which functions you wish to control with your voice.

Capable of managing a range of building functions including lighting, heating and window blinds, the Busch-VoiceControl® KNX can manage up to 150 functions and is fully configurable via the secure and simple to use MyBuildings portal, powered by ABB Ability, the company's cloud based, industry-leading portfolio of digital solutions.

Thanks to the Busch-VoiceControl® KNX device it is possible to receive information about the current status of the building, including room temperature, light intensity and humidity. It will also detect any motion or occupancy within the property, giving added reassurance to the homeowner when they are away from the house.



—  
amazon alexa



—  
Google Assistant



- Approved solution for three systems
- Integration of lighting, heating and blind control systems
- All three voice commands can be used simultaneously
- Control up to 150 functions
- HomeKit certification allows control of the KNX system from other HomeKit devices, such as the iPad, iPhone and Apple TV



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[solutions.abb/ch-knx](https://solutions.abb/ch-knx)





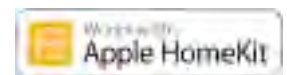
—  
Use HomePod to control functions via  
your Apple HomeKit connection



—  
Apple HomeKit



—  
Apple TV  
Apple HomePod



—  
Apple, iPad, iPad Air, iPhone, HomePod  
and iPod Touch are trademarks of  
Apple Inc. registered in the USA  
and other countries. HomeKit  
is a trademark of Apple Inc.

# Busch-ControlTouch® KNX

## Easy KNX remote control with mobile device

Busch-ControlTouch® KNX. Previously only operated via a switch, the KNX system can now be operated remotely using a smart device. Clear control for installer and customer alike.



Smartphones, tablets and smartwatches turn into a practical remote control, thanks to Busch-ControlTouch® KNX. It connects the KNX installation with the IP network, allowing control of all KNX functions in the building. Applications for iOS and Android create intuitive operation, allowing switches, dimmers, blinds, scenes, IP cameras, UPnP devices (for instance Sonos wireless boxes), Philips Hue lamps and many more to be integrated into the system.

Local user support can assign roles with user rights. Additional product features include Scene Editor, RGB/RGBW support, week timer with practical astro function, optional presence and alarm notifications via push messages or e-mail. Busch-ControlTouch® KNX also enables the creation of individual logic scripts. The end customer can also activate remote control via ETS programming, without requiring a VPN tunnel. The compact system has a KNX, a LAN and a 5–36 V connection for an external power adaptor. It is additionally equipped with two buttons for restarts and two LED lamps for the display of status and connection.

The complete commissioning of the module and the changes are made web-based via the myABB-LivingSpace Internet portal. Easy upload from ETS projects allows a smooth engineering workflow, reducing time and money. GridView allows quick navigation and operation within two clicks. Suitable for private housing, offices, large housing complexes or commercial properties – the Busch-ControlTouch® KNX takes modern, intelligent living and working to the next level.



Works with  
**SONOS**

**KNX**



- For smartphones and tablets (iOS and Android) and Apple Watch
- Web-based commissioning
- Intuitive and comfortable operation
- IP cameras, UPnP devices (for instance Sonos wireless boxes) and Philips Hue lamps can be integrated
- Error and alarm messages via push messages

# ABB RoomTouch®

## As individual as your home

ABB RoomTouch® KNX is a capacitive multi control HD-TouchDisplay. The operating concept and selection of functions can be configured individually.

The ABB RoomTouch® KNX display is a capacitive multi control element for intelligent controlling of rooms either in residential homes or commercial applications such as hotel rooms, offices and medical practices. With a super slim 11 mm design, ABB RoomTouch® features a sleek metal frame and high-quality glass panel and is available in stylish black or white color finishes.

The user-friendly design with its easy and intuitive iconography reduces the complexity of the device and allow all daily routines in smart living - from lighting, blinds, scenes, time programs to room temperature, data from your weather station and audio – to be easily controlled by one device. All functions can easily be controlled by gently swiping up for instance to

open the blinds or swiping down to shut them. Personalized room scenes can be created, such as a movie setting, where the blinds are closing, and the lights dim down, by one simple touch on the panel. The panel can also be controlled by sliding through the menu or tapping to confirm an operation like switching on the lights.

For added energy savings, the device features a quick standby mode when the room turns dark and turns on automatically when it senses the presence of someone close by. It also offers a day and night mode to complement the lighting of the room.

Before installation users can decide if they want to install it landscape or portrait.



Focus Open 2020  
Silver



UX  
DESIGN  
AWARDS  
nominated  
2020



red dot winner 2020



GERMAN  
DESIGN  
AWARD  
WINNER  
2021



- Up to 30 control elements
- The full hand activates a pre-defined “coming in” scene or function
- Integrated proximity and brightness sensor
- Integrated binary input
- Integrated external temperature sensor input
- Commissioning via ETS5 and DCA tool

The HD IPS touch display can be mounted in landscape format or portrait format for intelligent building control (alignment can be decided on-site)

# Busch-SmartTouch®

## Your control panel for smart buildings

The new Busch-SmartTouch® combines all the options of smart KNX control with modern door communication. Innovative and elegant. For every wall.

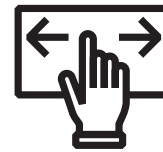
—  
01 Busch-SmartTouch®  
black  
—  
02 Busch-SmartTouch®  
white



01

02

The Busch-SmartTouch® combines the functionality of smart home automation and the comfort of modern door communication. And it does this with an extremely slim, elegant device with a high-quality 7" touch panel whose capacitive glass surface makes operation possible with total ease. Fully intuitive, as with a smartphone – with the tip of the finger and swiping gestures.

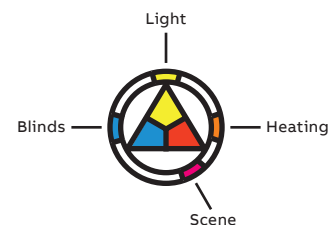


With its 13 mm thin design the Busch-SmartTouch® always offers a stylishly attractive appearance everywhere, whether installed flush-mounted or surface-mounted. And on a non-slip table stand it is also perfectly suited for reception counters or in bar areas.

A total of 480 control elements can be implemented on up to 30 pages in familiar optics. The user can freely define his favourite page and also easily set up and control time programs.

### Colours that make life easier

A colour-coding concept and durable LED technology make Busch-SmartTouch® extremely easy to operate. The colouring provides feedback on the function currently selected. Yellow for lighting, blue for blind control, magenta for scenes and orange for heating control.





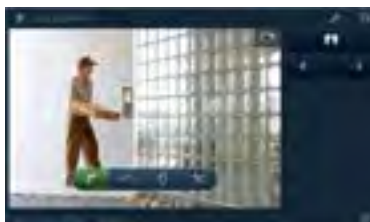
- Capacitive glass surface for swiping gestures
- Elegant bar made of brushed stainless steel
- Integrated induction loop for hearing aids

The indoor video station makes possible the smooth integration into ABB-Welcome with total comfort - without additional power supply. From video surveillance and up to image presentation. The new induction loop for hearing aids makes undisturbed communication and undistorted audio enjoyment possible.

All KNX functions can be used via the clearly arranged user interface of the Busch-Smart-Touch®. Such as switching and dimming of lights in the entire building, controlling blinds and regulating the heating. Or controlling time programs, audio devices and presence simulation via the tip of a finger.

The capability of the Busch-SmartTouch® knows no limits and opens totally new dimensions for home automation - with a high degree of comfort, safety and energy efficiency.

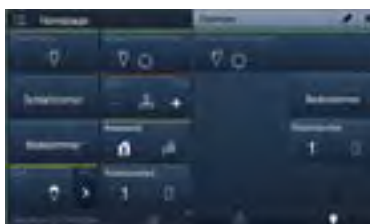
—  
Door Entry



—  
Time programs



—  
Favorites



# ABB-Welcome IP

## IP touch

The IP touch 7" and 10" control panels are IP-based and provide a far greater number of options for building control.

—  
01 IP touch 7",  
White glass

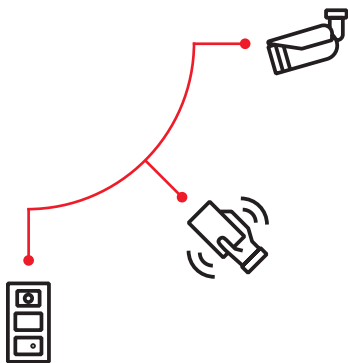
—  
02 IP touch 7",  
Black glass

—  
03 IP touch 10",  
Black glass

IP technology is dedicated to create a more intelligent community that can realize the unlimited connection and control to the devices and third-party platform. It makes every home and building become a comfortable and safe place.

Powerful and beautiful. The new ABB's IP touch has the most two built-to-last colors: white and black glossy glass are available. The end strips are easy to change with varieties of material and colors optional. The integration with home and building automation makes it the best universal visualization panel in residential and non-residential areas.

- With high resolution display
- Intuitive GUI on sliding screen
- Selection of installation box options ensure easy installation on all kind of walls
- Both LAN and Wifi version to connect to home network
- With up to 64 controls on the 7" and 100 controls on the 10" divided over max. 8 pages
- Works with ABB-free@home® and ABB i-bus® KNX



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7.8 mm for 7",  
flush mounted  
installation

22 mm for 7",  
surface mounted  
installation



01

**Home and building dashboard**

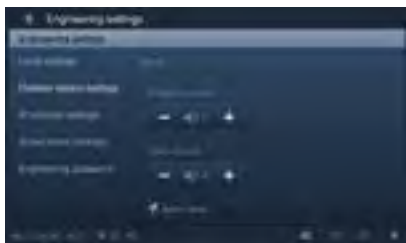
Main menu with easy settings for door communication, video surveillance and home automation. The new ABB's IP touch ensures that comprehensive functions in a room or entire building are centrally visualized, easy and intuitively operated in a comfortable and efficient manner.

**Look thin, and act changeable**

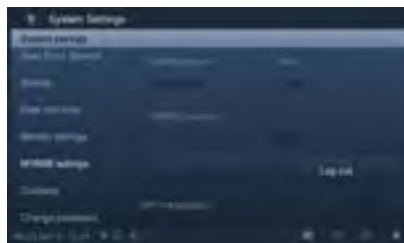
Extra thin passe-partout is really trend setting. Front frameless genuine glass in black and white plus easy changeable end strip with different color. Extremely slim in both flush and surface mounted situations represents this new series of indoor panels, in a combination of art and science.

One device, all kinds of possibilities. Reviewing of the snapshot image or recorded video when away from home, always feel confidence in knowing what is going on. It is also very easy when hosting a party to leave an audio message or set the automatic unlock time range.

- 01 Dashboard
- 02 Visualization tool
- 03 App connection
- 04 App
- 05 External intercom
- 06 Internal intercom



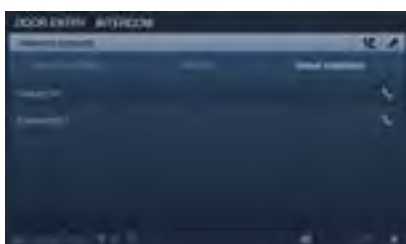
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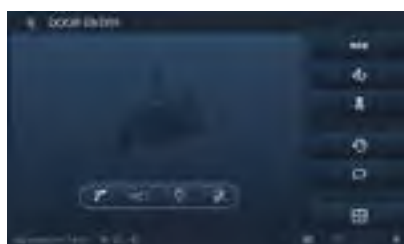
03



04



05



06

# Busch-priOn®

## The central control unit

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



01



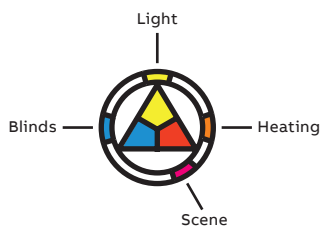
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04



The perfect place for charging. With the Sidus T13 outlet with integrated USB charger adapter, you can charge up to two smartphones, tablets, digital cameras, MP3 players or navigation devices in no time. The outlet remains completely accessible and ready for use at any time.

- 01 Rotary control element
- 02 3gang control element
- 03 Flush-mounted movement sensor
- 04 USB charger adapter

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 knob. The single control element is equipped with a freely programmable “large” operating button. It can be assigned to one function and can carry out a maximum of two commands. The triple-button control element is equipped with three freely programmable control buttons. Each can be assigned to one function and can carry out a maximum of two commands.



- Dimming, blinds, value, light scenes, logic functions, time functions
- Illuminated knob and colour-coding concept
- Anti-theft protection
- Day/night operation
- Replaceable labelling symbol

A single-line display with integrated room temperature controller has been designed for the Busch-priOn® 3gang control element, technically reduced to the basics and optically elegant. It is particularly easy to read due to the monochromatic design for white-on-black information. The room temperature controller, information functions like time and date, up to 17 freely programmable text displays, IR sensor and proximity sensor have been integrated into the display. The design of the display is available in the colour and material glass black only.

Operation is intuitive, supported by the colour-coding concept. It is possible to freely combine several Busch-priOn® elements with each other. Busch-priOn® is a non-fixed, modular-design system. The rocker switch element allows you to call up freely programmable functions such as light scenes, blind functions or specific lamps. The Busch-priOn® flush-mounted movement sensor can be used individually or with other Busch-priOn® modules. Practical because users thus do not have to look for the light switch and are greeted with light when first entering a dark room.

# ABB Tenton® sensors

## Versatile in function and design

ABB has optimized its range of KNX room control units for commercial buildings and now offers easy-to-use room temperature controllers. The design and function of the operating elements can be selected according to your individual requirements and elements can be labeled individually.

—  
01 Room temperature controller extension unit with control function 6gang ABB Tenton®



—  
01

—  
02 Room temperature controller with CO<sub>2</sub>/moisture sensor and control function 6gang ABB Tenton®



—  
02

—  
03 Room temperature controller extension unit with control function 10gang ABB Tenton®



—  
03

—  
04 Room temperature controller with CO<sub>2</sub>/moisture sensor and control function 10gang ABB Tenton®



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04

—  
05 Control element 8gang ABB Tenton®



—  
05

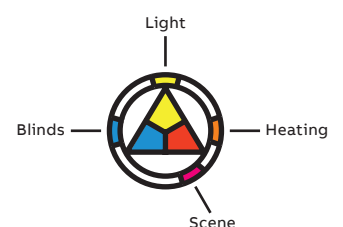
—  
06 Control element 12gang ABB Tenton®



—  
06



reddot award 2019  
winner





#### Customized for You

For the clear designation of the ABB Tenton® control elements a labelling tool is available online with which you can position any text and instructive symbols individually for every product. The respective size can be freely selected from the recommended values. Your entries are displayed the way they will be seen later on the device. And this optionally on a foil in matt black with white text as well as aluminium silver or studio white with black text.

- Now also in studio white matt, matt black and aluminium silver
- Available with integrated room temperature controllers and CO<sub>2</sub>/humidity sensor
- Surface and flush-mounted installation
- Controls all room functions from HVAC to shading and lighting

# Busch-triton®

## Elegant ergonomics

With freely programmable switch rockers, backlit label fields and IR sensor, Busch-triton® is ideal for any application and, with its elegant design, it is commonly installed in hotels and public areas. Busch-triton® is equipped with an integrated bus coupler and IR receiver. The unit is composed of control element and integrated bus coupler with everything required to control building systems elegantly and comfortably.



01



02



03



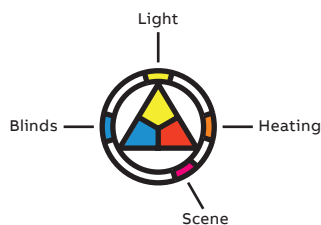
04

01 1/2gang control element with rear-illuminated labelling area and IR reception

02 3/6gang control element with rear-illuminated labelling area and IR reception

03 5/10gang control element with rear-illuminated labelling area and IR reception

04 5/10gang control element with rear-illuminated labelling field, integrated room thermostat, LCD display and IR reception





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The Busch-triton® is available in five stunning colours, offering exactly the right ambience for any environment. The colours offer exactly the right accent to the carat®, impuls, alpha and future® linear ranges – such as the use of the colour-coordinated socket outlets or motion detectors.

- Multiple functions:  
switching, dimming, blinds
- Value transmitter, value dimming sensor
- Light scene extension unit
- Step-type switch
- Short/long operation
- 13 freely programmable IR channels
- 8 light scenes
- LCD display room temperature controller

# Sidus KNX

## Simplicity marks perfection

Sidus KNX control elements meet the highest requirements of comfort and technology. All switch rockers have been equipped with two RGB LEDs each, allowing for intuitive operation with different colors. That way, you recognize the function at a glance. The switch rockers can be individually labeled or icons can be applied. A function can be assigned to each side of the rocker, whereby 8 functions can be called out on 4 switch rockers.

—  
01 Sidus KNX  
Design 1/2gang



—  
01

—  
02 Sidus KNX  
Design 2/4gang



—  
02

—  
03 Sidus KNX  
Design 4/8gang



—  
03

—  
04 Sidus KNX Design  
2/4gang, integrated  
Room tempera-  
ture controller

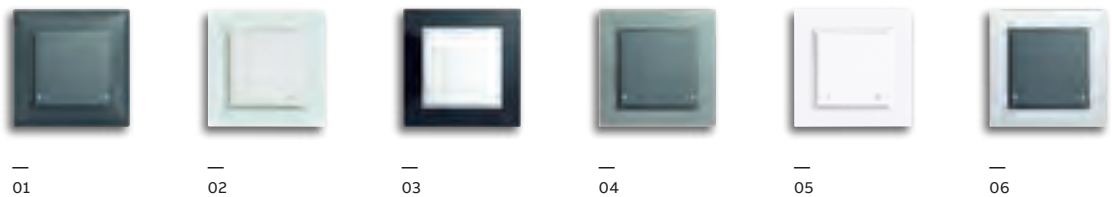


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04





- 01 Sidus KNX  
1/2gang, anthracite
- 02 Sidus KNX  
1/2gang, white glossy/  
glass frame white
- 03 Sidus KNX  
1/2gang, aluminum/  
glass frame black
- 04 Sidus KNX  
1/2gang, anthracite/  
glass frame gray
- 05 Sidus KNX  
1/2gang, white  
glossy/glass frame  
white satin-finished
- 06 Sidus KNX  
1/2gang, anthracite/  
metal frame  
aluminum anodized



—  
The variety of shapes, colors and materials fulfills any requirement. The control elements can be refined in line with your wishes using plastic, glass or metal materials. In addition, a complete product range of conventional switches and socket outlets is available, which means that there are practically no limits to the combinations with KNX components.

- Multiple functions:  
switching, dimming, blinds
- Push-button
- Value transmitter, value dimming  
sensor
- Light scene extension unit
- Step and multiple operation
- Labellable switch rockers
- LED RGB color scheme

# Sidus KNX Basic

## More comfort for less money

The control element that combines state-of-the-art functionality with familiar simple use.

—  
01 Sidus KNX  
control element  
Basic 1/2gang



—  
01

—  
02 Sidus KNX  
control element  
Basic 2/4gang



—  
02

### **Straightforward reliable operation – basic level!**

We have created this product as an alternative for operational areas where a premium KNX control element is not absolutely needed. You often do not need much more than “Basic”.

With the Sidus KNX Basic, ABB is now providing an affordable KNX control element range with more functionality. The way of operating functions are identical to other ABB KNX control elements, offering a vast array of possibilities. Each of the control elements can be programmed individually. For a uniform design, the control elements can be combined with the Sidus switch and socket outlets product range.

- Can be fully integrated in the ABB Sidus switch and outlet range
- Extensive scope of functions for lights/blinds and scenes
- Affordable solution for a variety of applications
- Familiar operating concept (up/down)
- Also available for surface mounting



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## Room thermostat fan coil

Surface-mounted with integrated bus coupler and display

Living and working with a feeling of well-being. And here the air in the room is one of the most important factors. Heated or air-conditioned rooms can be optimally adjusted – to a consistently pleasant ambience.

- Very easy to operate with large, clear display
- Complete air conditioning
- Fan speeds can be manually selected
- Integrated bus coupler
- Surface-mounted, independent switching program
- Colours: studio white, aluminium silver

### **The KNX fan coil room temperature controller for stand-alone applications**

The fan coil room temperature controller with display is a room temperature controller for ventilator convectors or conventional systems for heating and cooling. This option offers complete air conditioning for rooms. The temperature can be adjusted precisely for personal comfort. The fan speeds can be selected by push buttons. Even very large rooms can be heated or cooled to a comfortable temperature quickly – with additional air conditioning units. The KNX fan coil room temperature controller can be operated individually. The bus coupler is integrated into the control element.

# Busch presence detector

## Energy savings made easy

Presence detectors automatically recognize if anybody is in the room. Their precision is markedly superior to that of conventional motion detectors. Light systems, as well as heating and air conditioning systems can be intelligently and effectively controlled using presence detectors. Therefore, empty spaces with lights on and air conditioning units running full blast are now a thing of the past. We offer the proper presence detector for any need.

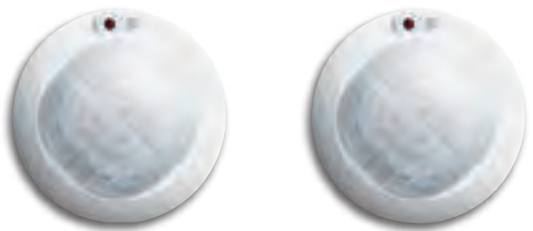
### 230 V Presence detector

Compact devices for nearly any application.



### Busch-Wächter® Präsenz tech

Versatile thanks to the modular design.



### Busch-Wächter® Präsenz tech BasicLINE

For small offices, toilets, passage areas and special applications.



### Busch KNX presence detector

Competence always works. Nearly unnoticed.





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## Efficient climate control in a system

Buildings require continuous sustainable solutions to achieve cost targets and energy efficiency goals.

- Top energy efficiency thanks to a continuous HVAC automation solution – achievement of energy efficiency class A in accordance with EN 15232/SIA 386.110 with up to 30 percent energy savings
- Security of investment: based on global open standards
- Simplifies planning and implementation of HVAC automation systems



ABB Tenton® room controller

### **ClimaECO**

ClimaECO is the continuous automation solution for heating, ventilation and air conditioning (HVAC) in single-purpose buildings, based on the proven ABB i-bus® KNX System. A solution that seamlessly integrates room automation systems and HVAC primary installation into a single system – a significant step that boosts energy efficiency and reduces operating costs. ClimaECO makes your building more economical, more sustainable and more comfortable.

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SMART BUILDING

The perfect connection. A pleasant and productive environment is created with building automation that functions as a holistic system and combines various functions. For today and tomorrow.





# Smart KNX devices

## Limitless possibilities

# KNX



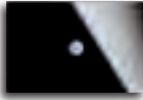



	<b>Busch-SmartTouch®</b>	<b>ABB RoomTouch®</b>
Article no.	6136/07-xx-500	RT/U30.0.1-8xx
KNX control elements	480	30
Pages	30	10
Alarm messages	80	20
Notification via e-mail	x	x
Notification via push notification	x	x
Alarm control unit	x	x
LAN connection	x	x
Presence simulation	20 objects	x
Scenes	100	16
Logic functions	30	10
Internal RTC	1	1
RGB control element	✓	✓
Timers and schedulers	30 timers	10 timers
ABB-Welcome	Direct 2-wire	x
Favourites page	✓	x
Operation via Smartphone	x	x
Operation via PC	x	x
Power supply	20 – 30 V DC	20 – 32 V DC
Touch	Capacitive	Capacitive
Cover	Glass	Glass
Display size	7 inch	5 inch
Pixel	600 x 1024	720 x 1280





ABB IP touch® 7/10	Busch-ControlTouch®
H823xx-x	6136/APP-500
64/100	∞
8	∞
20	∞
x	✓
x	✓
x	x
x	✓
10 objects	∞
4 actuators with 4 scenes	∞
10	200 and scripts
1	x
✓	✓
✓	∞
Welcome IP	x
x	x
x	✓
x	✓
PoE / 24VDC	5-36 V DC
Capacitive	-
Glass	-
7/10 inch	-
1024 x 600 / 1280 x 800	-

## Technical data

Program	Busch-priOn® suitable for KNX bus coupler 6120/12-101-500 oder 6120/13-500 (depending on the specific combination)			
				
	6340-xx-101 1/2gang	6341-xx-101 rotary control element	6342-xx-101 3/6gang	6344-xx-101-500
KNX function				
Switching, rocker switch total	■	–	■	–
Switching, rocker switch left/right	■	■	■	–
Dimming, rocker switch total	■	–	■	–
Dimming, rocker switch left/right	■	–	■	–
Blind, rocker switch total	■	–	■	–
Blind, rocker switch total left/right	■	■	■	–
Short-long operation, rocker switch left/right	■	–	■	–
Value sender, rocker switch total	■	–	■	–
Value sender, rocker switch left/right	■	–	■	–
Value dimming sensor, rocker switch total	■	■	■	–
Red/green LED status illumination (red/green/off)	–	–	–	–
RGB LED function illumination + status illumination	1 LED per rocker switch	1 LED per button	1 LED per rocker switch	–
Setting the RTC operating mode	■	–	■	–
Value sender, 2 objects, rocker switch left/right	■	–	■	–
Light scene extension unit with light scene memory function	■	–	■	–
Level switch, rocker switch total	■	–	■	–
Level switch, rocker switch total left/right	■	–	■	–
Multiple operation, rocker switch left/right	■	–	■	–
IR remote control channels (up to 13 channels)	–	–	–	–
Light scene unit (8 scenes for up to 8 actuators)	–	–	–	–
Light scene unit (10 scenes for up to 10 actuators)	–	–	–	–
Programmable shift key	–	–	–	–
Proximity function	–	–	–	–
Media box/CD/DVD/radio	–	–	–	–
Short-time timer	–	–	–	–
Weekly timer	–	–	–	–
Alarm clock	–	–	–	–
Messages	–	–	–	–
Screen saver	–	–	–	–
Display text/value	–	–	–	–
Device lock	–	–	–	–
Logic function (including light scenes)	■	■	■	■
Busch-Wächter 4 channels	–	–	–	■
Room temperature controller only				
Temperature reading	–	–	–	–
RTC settings	–	–	–	–
Illuminated display	–	–	–	–
Fan coil operation for heating and cooling	–	–	–	–

**Busch-triton® (next generation)  
Monoblock**



6351-825-101 end strip top with information display, room temperature controller, IR receiver and proximity sensor + 6342-xx-101 3/6gang

6350-825-101 end strip top with IR receiver and proximity sensor




6352-xx-101 end strip bottom with temperature sensor

6320/10-xx-500, 1/2gang  
6320/30-xx-500, 3/6gang  
6320/50-xx-500, 5/10gang

6321/38 3/6gang with RTC  
6321/58 5/10gang with RTC

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■	-	-	■	■
-	-	-	1 LED per rocker switch	1 LED per rocker switch
1 LED per rocker switch	-	-	-	-
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## Technical data

Program	Sidus KNX		
			
	Sidus KNX Basic, 1/2gang 2/4gang	Sidus KNX, 1/2gang Sidus KNX, 2/4gang Sidus KNX, 4/8gang	Sidus KNX, room temperature controller
<b>KNX function</b>			
Switching, rocker switch total	■	■	■
Switching, rocker switch left/right	■	■	■
Dimming, rocker switch total	■	■	■
Dimming, rocker switch left/right	■	■	■
Blind, rocker switch total	■	■	■
Blind, rocker switch total left/right	■	■	■
Short-long operation, rocker switch left/right	■	■	■
Value sender, rocker switch total	■	■	■
Value sender, rocker switch left/right	■	■	■
Value dimming sensor, rocker switch total	■	■	■
RGB LED function illumination + status illumination	-	2 LEDs per rocker switch	2 LEDs per rocker switch
Setting the RTC operating mode	■	■	■
Value sender, 2 objects, rocker switch left/right	■	■	■
Light scene extension unit with light scene memory function	■	■	■
Level switch, rocker switch total	■	■	■
Level switch, rocker switch total left/right	■	■	■
Multiple operation, rocker switch left/right	■	■	■
Logic function (including light scenes)	-	■	■
<b>Motion detector only</b>			
Switching channels (KNX)	-	-	-
Installation height	-	-	-
Detection zone lateral (radius)	-	-	-
Detection zone front max.	-	-	-
Detection angle	-	-	-
<b>Room temperature controller only</b>			
Temperature reading	-	-	■
Master/slave	-	-	■
RTC settings	-	-	■
Base-load operation	-	-	■
Illuminated display	-	-	■
Fan coil operation for heating and cooling	-	-	■







Sidus KNX  
RTR object

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## Technical data

Program		ABB-tacteo®			
					
Square	(86 mm x 86 mm)	TB/U1.1.1-CG	TB/U2.4.1-CG	TB/U4.4.1-CG	TB/U6.4.1-CG
Horizontal	(115 mm x 86 mm)	TB/U1.3.1-CG	TB/U2.8.1-CG	TB/U4.8.1-CG	TB/U6.8.1-CG
Vertical	(86 mm x 115 mm)	TB/U1.2.1-CG	TB/U2.7.1-CG	TB/U4.7.1-CG	TB/U6.7.1-CG
<b>Control element</b>					
Standard function		■	■	■	■
Additional function		■	■	■	■
<b>Indication</b>					
Display		-	-	-	-
Actual temperature display		-	-	-	-
Status display via text and/or ICON		-	-	-	-
<b>RTC</b>					
Manual operation		-	-	-	-
Heating and/or cooling with/ without additional stage		-	-	-	-
Fan coil		-	-	-	-
Master/slave		-	-	-	-
Basic load		-	-	-	-
Internal and/or external actual temperature sensor		-	-	-	-
Internal actual temperature sensor		■	■	■	■
<b>Installation</b>					
VDE		■	■	■	■
CH/BS		■	■	■	■
IT	(only as 115 mm x 86 mm)	■	■	■	■
NEMA	(only as 86 mm x 115 mm)	■	■	■	■



TR/U.1.1-CG  
TR/U.3.1-CG  
TR/U.2.1-CG

TBW/U.1.1-CG  
TBW/U.3.1-CG  
TBW/U.2.1-CG

TA/U3.1.1-CG  
TA/U3.3.1-CG  
TA/U3.2.1-CG





TLM/U.1.1-CG  
TLM/U.3.1-CG  
TLM/U.2.1-CG

TKK/U.1.1-CG  
TKK/U.3.1-CG

TKM/U.1.1-CG  
TKM/U.3.1-CG





■	■	■	■	■	■
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■	-	-	-	-	-
■	-	-	-	-	-
■	-	-	-	-	-
■	-	-	-	-	-
■	-	-	-	-	-
■	■	■	■	■	■
■	■	■	■	■	■
■	■	■	■	■	■
■	■	■	■	■	■

## Technical data

Program		ABB-tacteo®			
					
Vertical	(86 mm x 157 mm)	TB/U12.7.1-CG	TBR/U4.7.1-CG	TSN/U.2.1-CG	TSM/U.2.1-CG
Horizontal	(157 mm x 86 mm)	TB/U12.8.1-CG	TBR/U4.8.1-CG		
<b>Control element</b>					
Standard function		■	■	■	■
Additional function		■	■	-	-
<b>Indication</b>					
Display		-	■	-	-
Actual temperature display		-	■	-	-
Status display via text and/or ICON		-	■	-	-
<b>RTC</b>					
Manual operation		-	■	-	-
Heating and/or cooling with/ without additional stage		-	■	-	-
Fan coil		-	■	-	-
Master/slave		-	■	-	-
Basic load		-	■	-	-
Internal and/or external actual temperature sensor		-	■	-	-
Internal actual temperature sensor		■	■	■	■
<b>Installation</b>					
VDE		■	■	■	■
CH/BS		■	■	■	■
IT	(only as 115 mm x 86 mm)	-	-	■	■
NEMA	(only as 86 mm x 115 mm)	■	■	■	■



## Technical data

Program	ABB Tenton®			
				
	SBS/U6.0.1-xx	SBR/U10.0.1-xx	SBC/U6.0.1-xx	SB/U12.0.1-xx
<b>Control element</b>				
Standard function	■	■	■	■
Additional function	■	■	■	■
<b>Indication</b>				
Display	■	■	■	-
Actual temperature display	■	■	■	-
Status display via text and/or ICON	■	■	■	-
<b>RTC</b>				
Manual operation	■	■	■	-
Heating and/or cooling with/ without additional stage	■	■	■	-
Fan coil	■	■	■	-
Master/slave	■	■	■	-
Basic load	■	■	■	-
Internal and/or external actual temperature sensor	■	■	■	-
Internal actual temperature sensor	■	■	■	■
<b>Installation</b>				
VDE	■	■	■	■
CH/BS	■	■	■	■
IT	-	-	-	-
NEMA	■	■	■	■



# Notes

A large rectangular area filled with a fine grid of small squares, intended for taking notes.



# Notes

A large rectangular area filled with a fine grid of small squares, intended for writing notes.



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