



KNX Sensor Brochure

ABB i-bus® KNX Building System Technology. Centralised, convenient operation and display.

Power and productivity
for a better world™



KNX sensors ABB i-bus® KNX. 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, heating, 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.



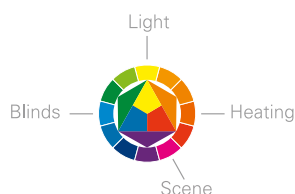
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Busch-priOn®.

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.

01



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.

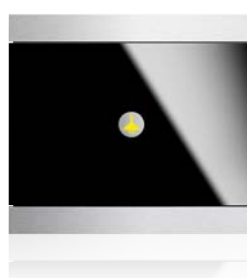
Function

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

Features

Illuminated dial | Colour coding concept | Anti-theft protection | Day/night operation

02



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.

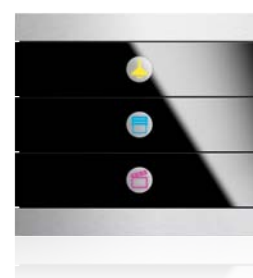
Function

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

Features

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

03



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.

Function

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

Features

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

01 Rotary control element

02 1gang control element

03 3gang control element

04 Glass black

05 Studiowhite, glossy

06 Stainless steel

07 Glass white

04



05



06



07



reddot design award
best of the best 2008

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



01



A new 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 function 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.

The 8.9 cm (3.5") TFT display gives a clear overview of all information. The user can choose from 3 surface designs: black, blue and silver.

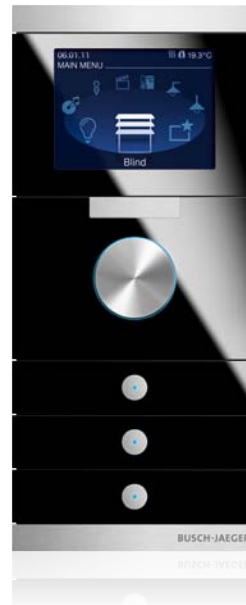
02



The 8.9 cm (3.5") TFT display gives a clear overview of all information. Operation is simple intuitive, supported the colour coding concept. It is possible freely combine several Busch-priOn® elements with each other. display and a special allow simple and convenient control.

Blinds

03



Busch-priOn® is a nonfixed, 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.

Climate control

Scene

04



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

05



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.

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.

01 3gang control element with single-line display and temperature controller

02 2gang combination

03 3gang combination

04 carat® glass black

05 Flush-mounted movement sensor

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 composed of control element and integrated bus coupler now really has everything required to control building systems elegantly and comfortably.

Colour-coordinated.

The new 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.



01



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

Function

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

Features

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

02



Function

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

Features

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

03



Function

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

Features

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



01



Function

LCD display room temperature controller | Comfort | Stand-by | Night operation | Frost protection | Heating | Cooling | Fan control | Switching | Dimming | Blinds | Value | 13 freely programmable IR channels | 8 light scenes

Features

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

02



Function

LCD display room temperature controller | Comfort | Stand-by | Night operation | Frost protection | Heating | Cooling | Fan control | Switching | Dimming | Blinds | Value | 13 freely programmable IR channels | 8 light scenes

Features

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

01 3/6gang control element with rear-illuminated labelling field, integrated room thermostat, LCD display and IR reception

02 5/10gang control element with rear-illuminated labelling field, integrated room thermostat, LCD display and IR reception

Standard control elements.

Quality as basis.

The new solo® control elements are available as 1/2gang, 2/4gang or 4/8gang models. Every switch rocker has two LEDs, which display the status of the connected loads. The separate switch rockers are freely programmable and are suitable for switching and dimming, and also for operating blinds and as a light scene extension unit. They can also be used in commercial applications. Anti-theft protection has also been integrated – an important factor for installations in public areas.

Customised text. Pictograms can be applied to push buttons for easier orientation. A clear text template with standard symbols is included for every sensor. The self-explanatory pictograms are available for the complete range of building control technology and if necessary can be easily replaced. If the appropriate symbol is not included, the push buttons can be labelled as desired. The related bus-coupler unit is included in delivery.

01



Function
Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit

Features
Labellable switch rockers | Anti-theft protection | Freely programmable switches | Status/orientation light (red/green/OFF)

02



Function
Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit

Features
Labellable switch rockers | Anti-theft protection | Freely programmable switches | Status/orientation light (red/green/OFF)

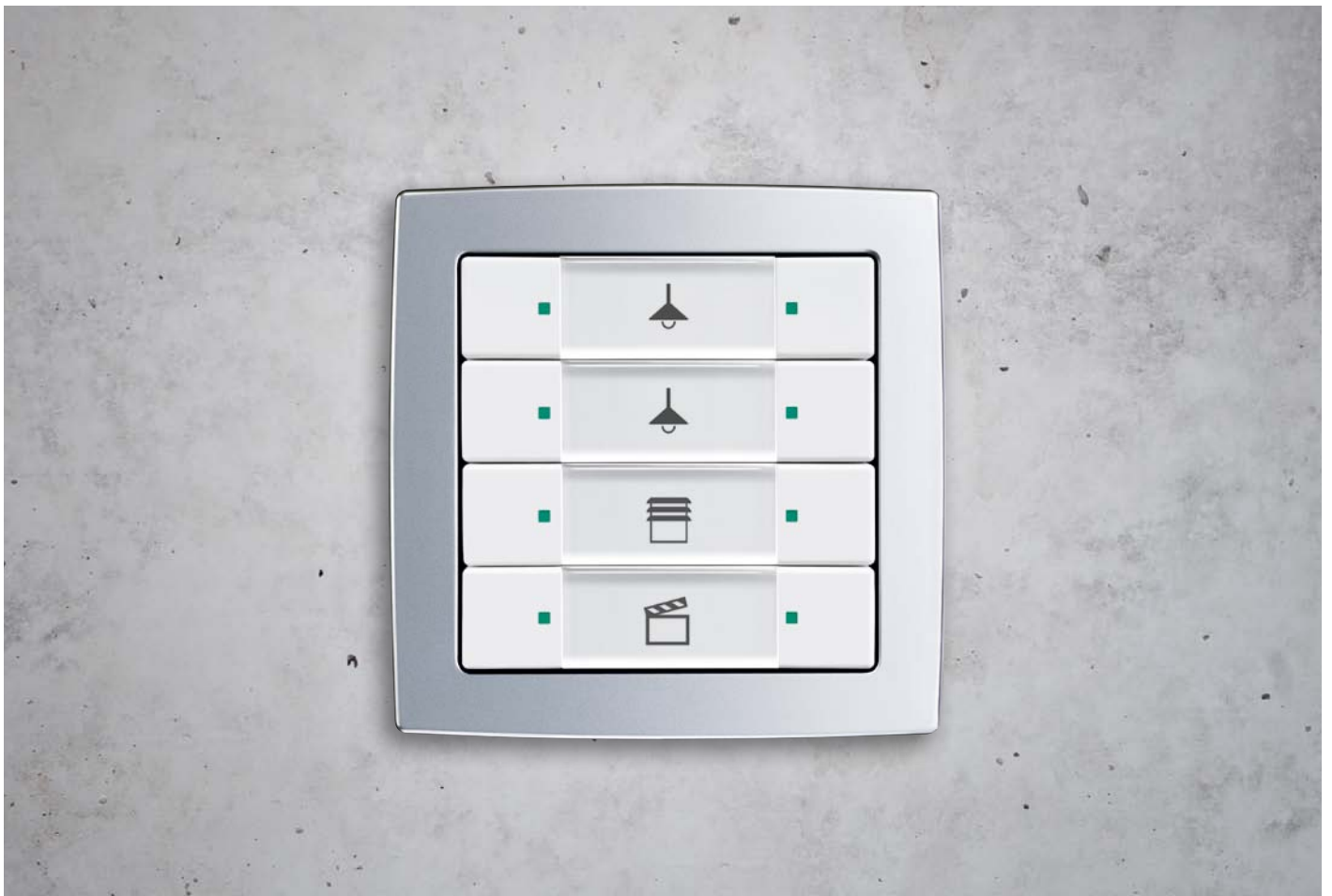
03



Function
Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit

Features
Labellable switch rockers | Anti-theft protection | Freely programmable switches | Status/orientation light (red/green/OFF)

- 01 Standard control element 1/2gang
- 02 Standard control element 2/4gang
- 03 Standard control element 4/8gang



01



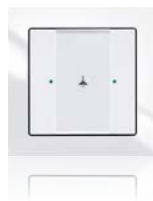
02



03



04



05



01 carat®

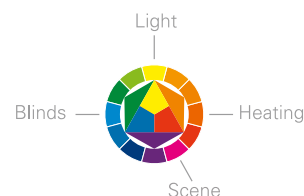
02 pure stainless steel

03 solo®

04 Busch-axcent®

05 future® linear

Multifunction control elements with LED colour code concept. And the utmost in comfort.



The new multifunction control elements with LED colour code concept meet the highest demands for comfort and technology. They each come with two RGB LEDs per rocker switch, which conform to a consistent colour concept. This makes the function obvious at a glance, and the surfaces can be additionally fitted with pictograms. Each side of a rocker switch can be occupied with its own function – each for calling up one light scene, for instance. This turns a 4gang control element into an 8gang control element.

Wide range. Different shapes, colours and materials fulfil every requirement. KNX control elements are available in the carat®, pure stainless steel, solo®, Busch-axcent® and future® linear programmes. The complete range of conventional switches from these series is available, so there are no limits to the options for combining KNX components.



01



02



03



01 Multifunction control element 1/2gang

02 Multifunction control element 2/4gang

03 Multifunction control element 4/8gang

04 Room temperature controller

05 Multifunction control element 2/4gang, integrated room thermostat

06 Multifunction control element 3/6gang with IR reception

07 FM movement detector standard

08 FM movement detector comfort

Function

Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit | Step-type | Multiple operation | Logic function (including light scenes)

Features

Labellable switch rockers | Anti-theft protection | Freely programmable switches | LED colour code concept

Function

Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit | Step-type | Multiple operation | Logic function (including light scenes)

Features

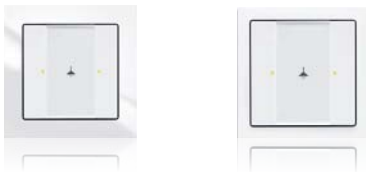
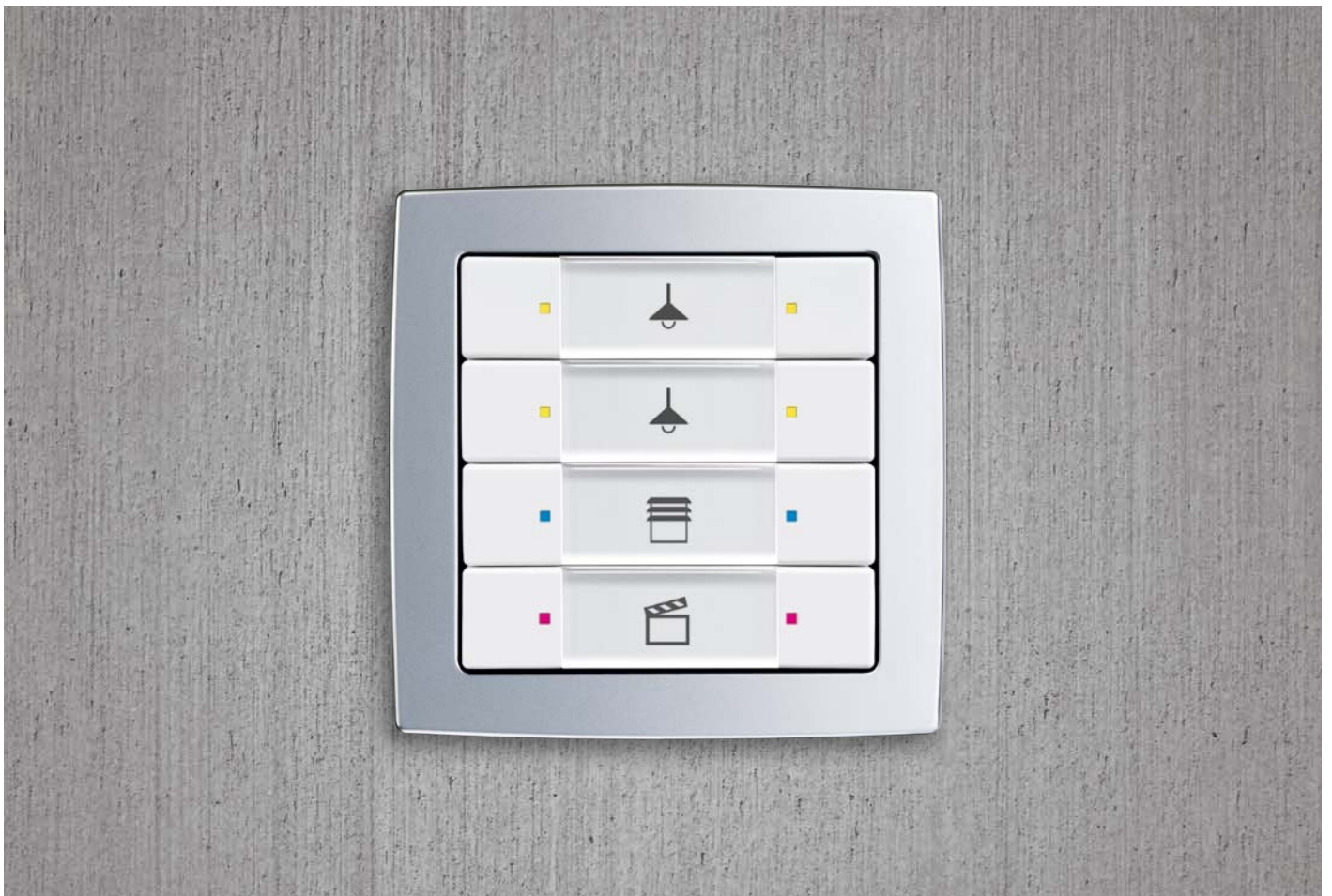
Labellable switch rockers | Anti-theft protection | Freely programmable switches | LED colour code concept

Function

Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit | Step-type | Multiple operation | Logic function (including light scenes)

Features

Labellable switch rockers | Anti-theft protection | Freely programmable switches | LED colour code concept



04



Function

Comfort | Stand-by | Night mode | Frost protection | Specified temperature | Time | Date | Heating | Cooling | Fan Coil operation for heating and cooling | Light scenes | Light scene extension unit | Value | Logic function (including light scenes)

Features

Labellable switch rockers | Anti-theft protection | Display illumination | LED colour code concept

05



Function

Comfort | Stand-by | Night mode | Frost protection | Specified temperature | Time | Date | Heating | Cooling | Fan Coil operation for heating and cooling | Light scenes | Light scene extension unit | Value | Logic function (including light scenes)

Features

Labellable switch rockers | Anti-theft protection | Display illumination | Colour concept

06



Function

10 freely programmable IR channels | Switching | Dimming | Blinds | Button | Light scenes | Light scene extension unit | Value | Logic function (including light scenes)

Features

Labellable switch rockers | Anti-theft protection | Display illumination | Colour concept

07



08



Function

4 channels | Logic function (including light scenes)

Push-button coupling unit. The efficient solution for all Busch-Jaeger switch ranges*.

The new push-button coupling unit with a centre position offers maximum flexibility. Installed in a flush-mounted wall box, it accepts switch rockers from conventional switch ranges* like a completely standard flush-mounted insert. Covers from all conventional ranges can now be used for KNX. This offers maximum freedom in the selection of the switch range and makes retrofitting easier.



Features

- Easy mounting and uncomplicated commissioning
- All flush-mounted switch ranges* can be used for the ABB i-bus® KNX
- Affordable solution for renovations
- Status/orientation light (red/green/OFF)
(only with 1gang push-button/switches)
- Integration in surface-mounted water protected units

- 01 Push-button coupler 1/2gang with integrated bus coupler
- 02 Push-button coupler 2/4gang with integrated bus coupler
- 03 Push-button coupler 1/2gang for ocean with integrated bus coupler
- 04 Push-button coupler 2/4gang for ocean with integrated bus coupler

Design without limits. The push-button coupling unit includes the complete range* of switches for KNX. Switch rockers from all switch ranges can now be converted to KNX push buttons, which not only switch on and off but also dim or show the status with an LED (6108/01 and 6108/04 only). 1gang and 2gang models for single and 2gang switch rockers are available.

KNX – water protected

The push-button coupling unit also allows special products to be used for KNX. Special models for water-protected installation allow covers from, for example, the ocean® surface-mounted range to be used. This means that KNX sensors can also be safely installed in a cellar, outside on a patio or in commercial applications. Temperature range: -25 °C to 45 °C

Room thermostat FanCoil with display, surface-mounted with integrated bus coupler

Living and working with a feeling of well-being. And here the air in the room is one of the most important factors. Because the body takes an ideal temperature for granted and therefore easily reacts to changes. Heated or air-conditioned rooms can be optimally adjusted – to a consistently pleasant ambience.

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.

Function

- » Temperature sensor
- » RTC setting
- » Illuminated display
- » Fan Coil operation for heating and cooling

Features

- » 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



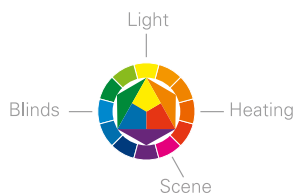
Busch-ComfortTouch®.

Every day an individual experience.

Das 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.

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 integrated 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 surveillance 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.



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.

01



01 Busch-ComfortTouch®
Glass black,
design cover aluminium,
video supervision

02 Glass white,
design cover aluminium

03 Glass white, design cover
chrome

04 Glass black,
design cover aluminium

05 Glass black,
design cover chrome

02



03



04



05

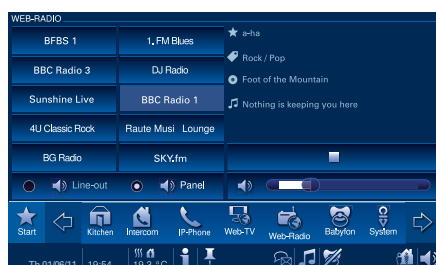




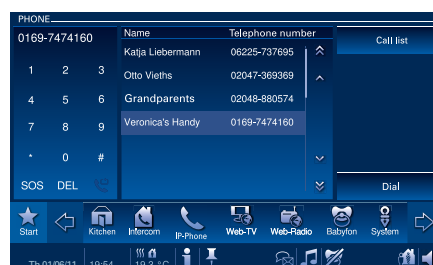
The system is controlled via the *Busch-ComfortTouch*® – it couldn't be easier. Buttons with text and symbols allow intuitive operation. Just a touch of the finger, and you can call up the MP3-player and play individual titles or playlists. And the volume is regulated via the panel, too. The ideal solution,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

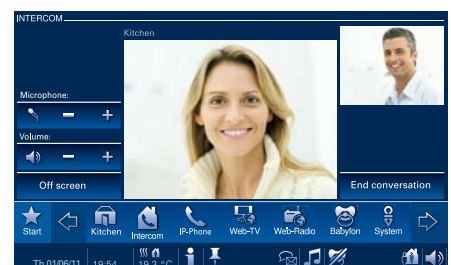
Web radio



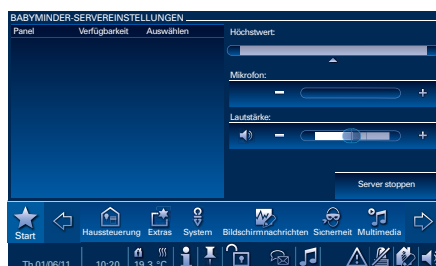
IP telephony



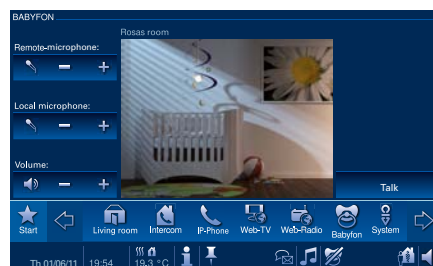
Intercom



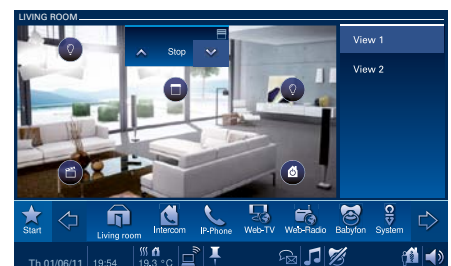
Control of household appliance



Baby phone



Remote control by mobile telephone



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 SMARTtouch does not just look good, it also offers numerous functions for switching and controlling an KNX system. This versatile display and operating unit can be used simply and with intuition.

The SMARTtouch offers a number of functions, 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 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 with color display for more than 210 KNX standard functions. One version is equipped with an additional BANG & OLUFSEN infrared interface.

01



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



02



03



01 Black glass with aluminium flap

02 Black glass with chrome flap

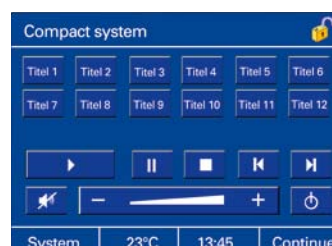
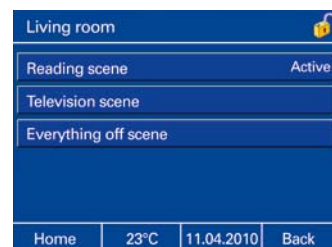
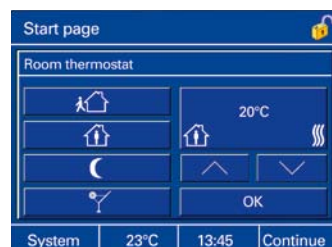
03 White glass with aluminium flap



Picture archive: archenova

On the Start page of the SMARTtouch, there are up to 10 touch-areas, 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 SMARTtouch has a "child-proofing function", with which the entire operation can be blocked. The respective locking symbol is displayed in the header.



Audio and video devices can be controlled by the SMARTtouch and integrated into scenes. In the process, it does not matter whether the integration takes place using the ABB i-bus® KNX which uses the existing power line to transfer the data. To connect the system to a media control unit, an additional device such as the media box* is required.

*The media box can be ordered from the following address:
Detlef Coldewey GmbH, Burgstraße 6, 26655 Westerstede.

Unique diversity of the range.

01



02



03



04



05



Inner qualities and external beauty.

Busch-Jaeger switch ranges turn into a reality what their names promise. The allround high-quality carat® series, for example. From the classic Reflex SI/SI Linear via impressive high-quality pure stainless steel and up to the shining modern highlights of Busch-axcent®: Busch-Jaeger design is impressive in its promotion of style.

06



07



Frame design: *nea* or *exclusive*

08



09



10



01 *carat*[®]

02 *pure stainless steel*

03 *solo*[®]

04 *Busch-axcent*[®]

05 *future*[®] linear

06 *alpha*

07 *Reflex SI / SI linear*

08 *Busch-Duro 2000*[®] SI

09 *Busch-triton*[®]

10 *Busch-priOn*[®]

Technical data.

Program	Standard control elements, bus coupler included with package	Multifunction control elements, suitable for KNX bus coupler				
						
	6125/01 1gang 6126/01 2gang 6127/01 4gang	6125/02 1/2gang 6126/02 2/4gang 6127/02 4/8gang	6129/01 3/6gang with IR	6124/01 RTC	6128/01 2/4gang with RTC	
KNX function						
Switching, rocker switch total	●	●	●	-	●	
Switching, rocker switch left/right	-	●	●	-	●	
Dimming, rocker switch total	●	●	●	-	●	
Dimming, switch rocker left/right	-	●	●	-	●	
Blind switch rocker total	●	●	●	-	●	
Venetian blind switch rocker total left/right	-	●	●	-	●	
Short-long operation, switch rocker left/right	-	●	●	-	●	
Value sender rocker switch total	●	●	●	-	●	
Value sender switch rocker left/right	-	●	●	-	●	
Value dimming sensor, switch rocker total	-	●	●	-	●	
Red/green LED status illumination (red/green/off)	Two LEDs per switch rocker	-	-	-	-	
RGB LED function illumination + status illumination	-	Two LEDs per switch rocker	Two LEDs per switch rocker	Two LEDs per switch rocker	Two LEDs per switch rocker	
Setting the RTC operating mode	-	●	●	-	●	
Value sender, 2 objects, switch rocker left/right	●	●	●	-	●	
Light scene extension unit with light scene memory function	●	●	●	-	●	
Level switch, switch rocker total	-	●	●	-	●	
Level switch, switch rocker total left/right	-	●	●	-	●	
Multiple operation, rocker switch left/right	-	●	●	-	●	
IR remote control channels (up to 5 channels)	-	-	●	-	-	
Room temperature controller only						
Temperature reading	-	-	-	●	●	
RTC settings	-	-	-	●	●	
Illuminated display	-	-	-	●	●	
Fan Coil operation for heating and cooling	-	-	-	●	●	
Logic function (including light scenes)	-	●	●	●	●	
Busch-Watchdog 4 channels	-	-	-	-	-	
Busch-Jaeger						
Reflex SI	-	-	-	-	-	
Busch Duro 2000® SI	-	-	-	-	-	
future®linear	●	●	●	●	●	
alpha exclusive / nea	-	-	-	-	-	
Busch-axcent®	●	●	●	●	●	
solo®	●	●	●	●	●	
impuls	-	-	-	-	-	
pure stainless steel	●	●	●	●	●	
carat®	●	●	●	●	●	
ocean®	-	-	-	-	-	
All Weather 44®	-	-	-	-	-	
Busch-priOn®	-	-	-	-	-	
Busch-triton®	-	-	-	-	-	

Technical data.

Program	Busch-triton® (next generation) Monoblock		Busch-priOn® suitable for KNX bus coupler	
				
	6320/10 1/2gang 6320/30 3/6gang 6320/50 5/10gang	6320/38 3/6gang with RTC 6320/58 5/10gang with RTC	6340-xx-101 1/2gang	6341-xx-101 rotary-control element
KNX function				
Switching, rocker switch total	●	●	●	-
Switching, rocker switch left/right	●	●	●	●
Dimming, rocker switch total	●	●	●	-
Dimming, rocker switch left/right	●	●	●	-
Blind switch rocker total	●	●	●	-
Blind switch rocker total left/right	●	●	●	●
Short-long operation, switch rocker left/right	●	●	●	-
Value sender rocker switch total	●	●	●	-
Value sender switch rocker left/right	●	●	●	-
Value dimming sensor, switch rocker total	●	●	●	●
Red/green LED status illumination (red/green/off)	1 LED per switch rocker	1 LED per switch rocker	-	-
RGB LED function illumination + status illumination	-	-	1 LED per switch rocker	1 LED per button
Setting the RTC operating mode	●	●	●	-
Value sender, 2 objects, rocker switch left/right	●	●	●	-
Light scene extension unit with light scene memory function	●	●	●	-
Level switch, switch rocker total	●	●	●	-
Level switch, switch rocker 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	-	-	-	-
Room temperature controller only				
Temperature reading	-	●	-	-
RTC settings	-	●	-	-
Illuminated display	-	●	-	-
Fan Coil operation for heating and cooling	-	●	-	-
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-Watchdog 4 channels	-	-	-	-

6120/12-101 or 6120/13 (depending on the specific combination)

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Contact us

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costs from abroad, please check it locally)

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