



ABB i-bus® KNX sensor PEONIA®

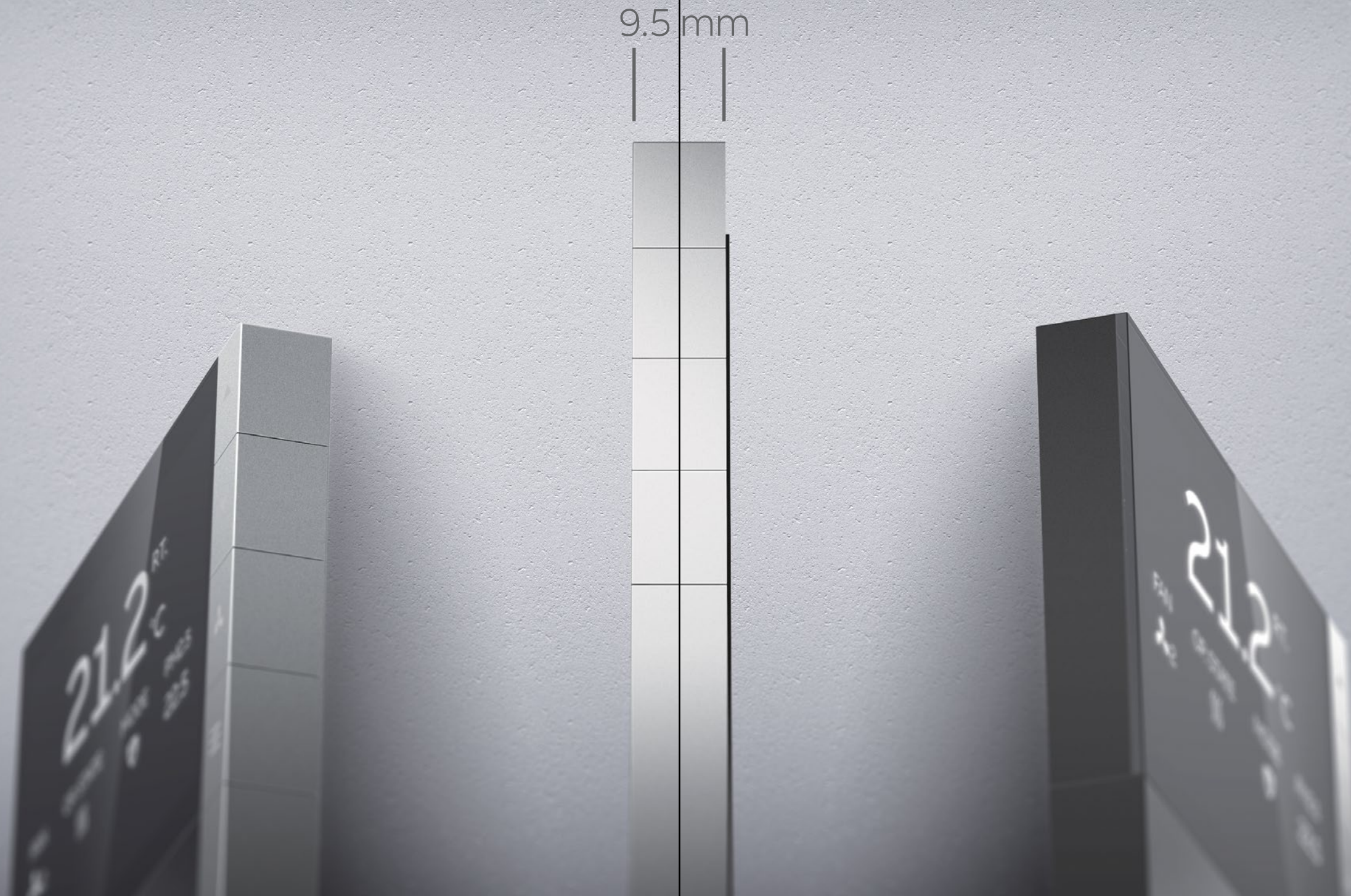
All in one for smarter life



- All in one
- Free combination
- Super slim
- Proximity sensor

Super slim design with fashionable style

9.5mm after flush mounted





Proximity sensor makes life easier

Even in a dark environment, the proximity sensor is in operation when your hands are close to the panel.

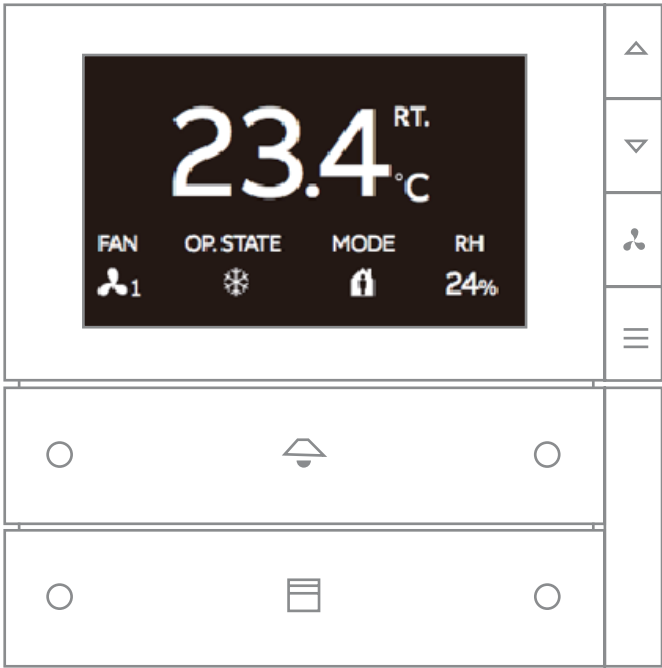
Colorful background light

7 colors for you to choose

In-build LED installed in the panel provides you with soft light for your home

RGB LED Ambient light

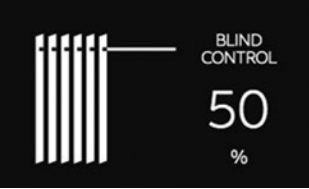




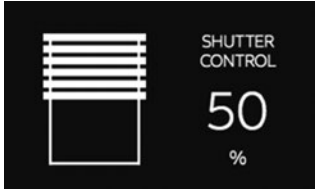
Control interface



Dimming



Blind control



Shutter control



Eco mode



Warning



Scene



Dynamic display, easy to read

Using intuitive design is as easy as saying “Hello”



Customized to your needs

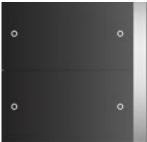





Six different colors of rocker to choose

- 01 Matt Black
- 02 Matt Platinum
- 03 Matt Champagne Gold
- 04 Matt White
- 05 Gross White
- 06 Matt Silver



ABB i-bus® KNX sensor PEONIA®

Operation-functional overview

Program	ABB i-bus® Sensor PEONIA®					
	PEB/U2.0.1-xxx	PEB/U3.0.1-xxx	PEB/U5.0.1-xxx	PEBR/U2.0.1-xxx	PEBR/U3.0.1-xxx	PEBR/U5.0.1-xxx
						

KNX function							
Switching, rocker switch total		Y	Y	Y	Y	Y	Y
Switching, rocker switch left/right		Y	Y	Y	Y	Y	Y
Dimming, rocker switch total		Y	Y	Y	Y	Y	Y
Dimming, rocker switch left/right		Y	Y	Y	Y	Y	Y
Blind switch rocker total		Y	Y	Y	Y	Y	Y
Blind switch rocker total left/right		Y	Y	Y	Y	Y	Y
Short-long operation, switch rocker left/right		Y	Y	Y	Y	Y	Y
Value sender rocker switch total		Y	Y	Y	Y	Y	Y
Value sender rocker switch left/right		Y	Y	Y	Y	Y	Y
RGB LED function illumination + Status illumination		Y	Y	Y	Y	Y	Y
RGB LED Ambient illumination		Y	Y	Y	Y	Y	Y
Setting the RTC operating mode		Y	Y	Y	Y	Y	Y
Value sender, 2 objects, rocker switch left/right		Y	Y	Y	Y	Y	Y
Light scene extension units with light scene memory function		Y	Y	Y	Y	Y	Y
Step switch, switch rocker total		Y	Y	Y	Y	Y	Y
Step switch, switch rocker left/right		Y	Y	Y	Y	Y	Y
Multiple operation, rocker switch left/right		Y	Y	Y	Y	Y	Y
Proximity function		Y	Y	Y	Y	Y	Y
Energy saving function		Y	Y	Y	Y	Y	Y
Dynamic display					Y	Y	Y

Room temperature controller only							
RTC Capacitive touch button	-	-	-	Y	Y	Y	Y
Vibration feedback	-	-	-	Y	Y	Y	Y
Temperature reading	-	-	-	Y	Y	Y	Y
Single/Master/Slave configuration	-	-	-	Y	Y	Y	Y
RTC setting	-	-	-	Y	Y	Y	Y
Base-load operation	-	-	-	Y	Y	Y	Y
Illumination display	-	-	-	Y	Y	Y	Y
Fan coil operation or heating and cooling	-	-	-	Y	Y	Y	Y
5 Logic channels (incl. Priority, Logic gate, Staircase lighting, Delay, Min/max value transducer, Threshold value hysteresis, Light scene actuator)	Y	Y	Y	Y	Y	Y	Y

ABB i-bus® KNX sensor PEONIA®



6342-825-101-500

ABB i-bus®KNX sensor PEONIA® control element 2/4-fold, FM

With integrated bus coupling unit and temperature sensor.
Proximity sensor, device locking and energy saving function.
Switch contact left/right. Replaceable rocker without icon.
Push button function: switching/dimming/blind/value sending/step-type switch/light-scene Individual programmable LED per rocker. Top and bottom ambient LED strip.
LED colour: red/green/yellow/blue/red-orange/violet/white.
Dimensions (L x W): 86 mm x 86 mm.

Description	Article code	Order code
Gross White	PEB/U2.0.1-002	2TAZ730200R0020
Matt White	PEB/U2.0.1-001	2TAZ730200R0010
Matt Black	PEB/U2.0.1-201	2TAZ730200R2010
Matt Silver	PEB/U2.0.1-131	2TAZ730200R1310
Matt Platinum	PEB/U2.0.1-151	2TAZ730200R1510
Matt Champagne Gold	PEB/U2.0.1-411	2TAZ730200R4110



6342-825-101-500

ABB i-bus®KNX sensor PEONIA® control element 3/6-fold, FM

With integrated bus coupling unit and temperature sensor.
Proximity sensor, device locking and energy saving function.
Switch contact left/right. Replaceable rocker without icon.
Push button function: switching/dimming/blind/value sending/step-type switch/light-scene Individual programmable LED per rocker. Top and bottom ambient LED strip.
LED colour: red/green/yellow/blue/red-orange/violet/white.
Dimensions (L x W): 86 mm x 86 mm.

Description	Article code	Order code
Gross White	PEB/U3.0.1-002	2TAZ730300R0020
Matt White	PEB/U3.0.1-001	2TAZ730300R0010
Matt Black	PEB/U3.0.1-201	2TAZ730300R2010
Matt Silver	PEB/U3.0.1-131	2TAZ730300R1310
Matt Platinum	PEB/U3.0.1-151	2TAZ730300R1510
Matt Champagne Gold	PEB/U3.0.1-411	2TAZ730300R4110



6342-825-101-500

ABB i-bus®KNX sensor PEONIA® control element 5/10-fold, FM

With integrated bus coupling unit and temperature sensor.
Proximity sensor, device locking and energy saving function.
Switch contact left/right. Replaceable rocker without icon.
Push button function: switching/dimming/blind/value sending/step-type switch/light-scene Individual programmable LED per rocker. Top and bottom ambient LED strip.
LED colour: red/green/yellow/blue/red-orange/violet/white.
Dimensions (L x W): 144 mm x 86 mm.

Description	Article code	Order code
Gross White	PEB/U5.0.1-002	2TAZ730500R0020
Matt White	PEB/U5.0.1-001	2TAZ730500R0010
Matt Black	PEB/U5.0.1-201	2TAZ730500R2010
Matt Silver	PEB/U5.0.1-131	2TAZ730500R1310
Matt Platinum	PEB/U5.0.1-151	2TAZ730500R1510
Matt Champagne Gold	PEB/U5.0.1-411	2TAZ730500R4110

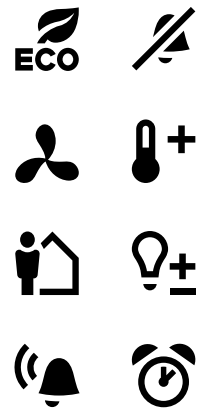
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03

Intelligent control that adapts
to your individual needs.

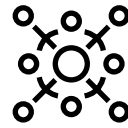
The ABB tacteo® KNX sensor is a capacitive control element for the intelligent building automation of high-end luxury hotels, offices and public and residential buildings.

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.



—
Symbols for
every occasion
and every taste.



Secure access control for the hospitality industry

Hotel access control

The ABB tacteo® KNX range offers secure access control for the hospitality industry. It is particularly practical that the sensor performs all of a hotel's management tasks, which can be controlled from a central point such as the reception desk.



The capacitive glass sensors react without contact

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 – such as “switching on the light”. With a tap of the finger the desired function can be activated. Easy operation is also ensured by the tried-and-tested colour control concept.



Product overview

Elements and device sizes

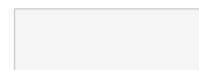
Devices, symbols and descriptions for every occasion.

Here you will find all control elements that can serve as the basis for your configuration. Select the appropriate sensor in the configurator and add symbols and descriptions according to your requirements.

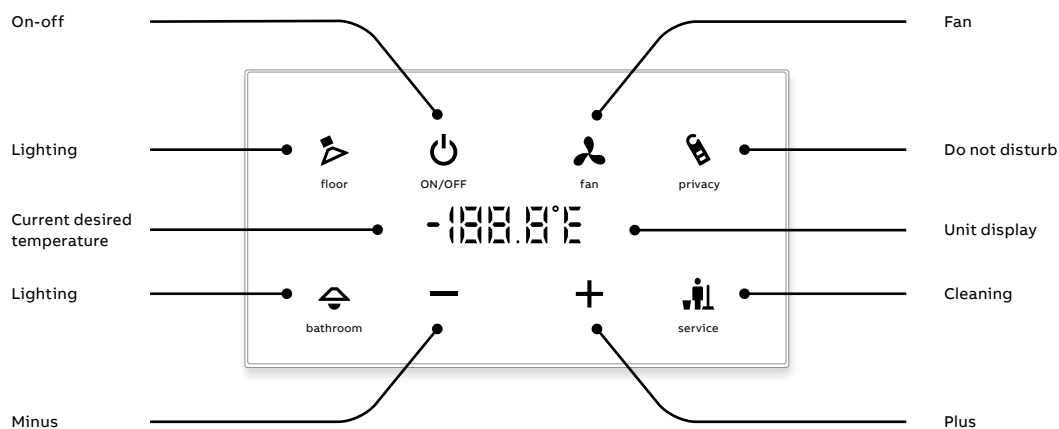
Colour options



Black glass

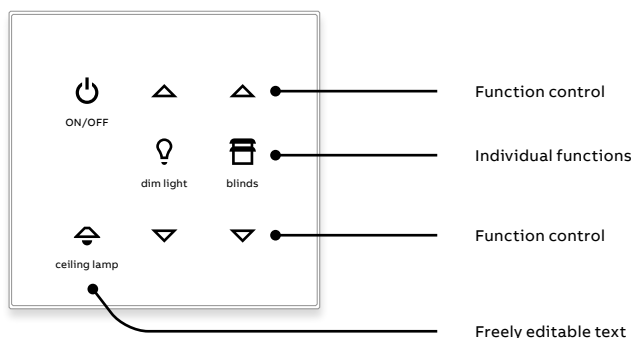


White glass



A typical configuration example for a sensor in a hotel application.

Unlimited possibilities – all texts, colours and icons for a variety of different functions can be freely edited using the ABB tacteo® configurator.



One symbol control panel

— Available sizes of the control panel with one integrated function.



86 × 86
TB/U1.1.1-CG



115 × 86
TB/U1.2.1-CG



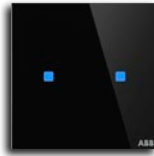
86 × 115
TB/U1.3.1-CG

Two symbol control panel

— Available sizes of the control panel with up to two integrated functions.



86 × 86
TB/U2.4.1-CG



86 × 86
TB/U2.5.1-CG



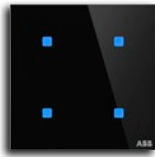
86 × 115
TB/U2.7.1-CG



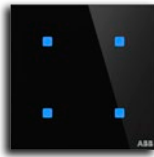
115 × 86
TB/U2.8.1-CG

Four symbol control panel

— Available sizes of the control panel with up to four integrated functions.



86 × 86
TB/U4.4.1-CG



86 × 86
TB/U4.5.1-CG



86 × 115
TB/U4.7.1-CG



115 × 86
TB/U4.8.1-CG

Six symbol control panel

— Available sizes of the control panel with up to six functions.



86 × 86
TB/U6.4.1-CG



86 × 86
TB/U6.5.1-CG



86 × 115
TB/U6.7.1-CG



115 × 86
TB/U6.8.1-CG

Twelve symbol control panel

— Available sizes of the control panel with up to twelve functions.



86 × 157
TB/U12.7.1-CG



157 × 86
TB/U12.8.1-CG

Four symbol control panel with room temperature control

— In addition to the four symbols for room temperature control, an additional four functions can also be integrated.



86 × 157
TBR/U4.7.1-CG



157 × 86
TBR/U4.8.1-CG

Room temperature control

—
In addition to the fixed control buttons plus and minus, two functions can additionally be selected from the room temperature control category.



86 × 86
TR/U.1.1-CG



86 × 115
TR/U.2.1-CG



115 × 86
TR/U.3.1-CG

Motion detector Watch dog 180°

—
Motion detectors available in a variety of sizes.



86 × 86
TBW/U.1.1-CG



86 × 115
TBW/U.2.1-CG



115 × 86
TBW/U.3.1-CG

Room outside sensor

—
External room sensor in a variety of formats with up to three functions.



86 × 86
TA/U3.1.1-CG



86 × 115
TA/U3.2.1-CG



115 × 86
TA/U3.3.1-CG

Room outside sensor with card reader

External room sensor with card reader in a variety of sizes and with up to three functions.



86 × 86
TLM/U.1.1-CG



86 × 115
TLM/U.2.1-CG



115 × 86
TLM/U.3.1-CG

Card holder

Card holder for unprogrammed MIFARE cards.



86 × 86
TKK/U.1.1-CG



115 × 86
TKK/U.3.1-CG

Universal card holder

Card holder for preprogrammed MIFARE card settings.



86 × 86
TKM/U.1.1-CG



115 × 86
TKM/U.3.1-CG

Room outside sensor with room number

—
External room sensor
with room number and
up to three functions.



86×157
TSN/U.2.1-CG

Room outside sensor with card reader and room number

—
External room sensor
with card reader and
room number with up
to three functions.



86×157
TSM/U.2.1-CG

ABB Tenton® - new colours

Detailed product information

Control element with RTC Slave, 6gang



studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

Control element with RTC Slave, 10gang

Technical information:

Dimension (wxlxh): 90mmx166mmx13mm

Status LED: RGB colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 2 (max: 24mA)

Article no.	Order no.	Brand
SBS/U10.0.1-84	2CKA006330A0006	ABB
SBS/U10.0.1-83	2CKA006330A0050	ABB
SBS/U10.0.1-884	2CKA006330A0048	ABB
SBS/U10.0.1-885	2CKA006330A0049	ABB
SBS/U10.0.11-84	2CKA006330A0005	BJE
SBS/U10.0.11-83	2CKA006330A0047	BJE
SBS/U10.0.11-884	2CKA006330A0045	BJE
SBS/U10.0.11-885	2CKA006330A0046	BJE



ABB Tenton® - new colours

Detailed product information

Control element with RTC Slave, 10gang



studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

RTC with control element, 6gang

Technical information:

Dimension (w×l×h): 90mm×116mm×13mm

Status LED: RGB colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 2 (max: 24mA)

Article no.	Order no.	Brand
SBR/U6.0.1-84	2CKA006330A0004	ABB
SBR/U6.0.1-83	2CKA006330A0044	ABB
SBR/U6.0.1-884	2CKA006330A0042	ABB
SBR/U6.0.1-885	2CKA006330A0043	ABB
SBR/U6.0.11-84	2CKA006330A0003	BJE
SBR/U6.0.11-83	2CKA006330A0041	BJE
SBR/U6.0.11-884	2CKA006330A0039	BJE
SBR/U6.0.11-885	2CKA006330A0040	BJE

ABB Tenton® - new colours

Detailed product information

RTC with control element, 6gang



studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

RTC with control element, 10gang

Technical information:

Dimension (wxlxh): 90mmx166mmx13mm

Status LED: RGB colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 2 (max: 24mA)

Article no.	Order no.	Brand
SBR/U10.0.1-84	2CKA006330A0008	ABB
SBR/U10.0.1-83	2CKA006330A0056	ABB
SBR/U10.0.1-884	2CKA006330A0054	ABB
SBR/U10.0.1-885	2CKA006330A0055	ABB
SBR/U10.0.11-84	2CKA006330A0007	BJE
SBR/U10.0.11-83	2CKA006330A0053	BJE
SBR/U10.0.11-884	2CKA006330A0051	BJE
SBR/U10.0.11-885	2CKA006330A0052	BJE



ABB Tenton® - new colours

Detailed product information

RTC with control element, 10gang



studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

RTC with CO2/Moisture sensors, control element, 6gang

Technical information:

Dimension (w×l×h): 90mm×116mm×13mm

Status LED: RGB-colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 2 (max: 24mA)

Article no.	Order no.	Brand
SBC/U6.0.1-84	2CKA006330A0010	ABB
SBC/U6.0.1-83	2CKA006330A0062	ABB
SBC/U6.0.1-884	2CKA006330A0060	ABB
SBC/U6.0.1-885	2CKA006330A0061	ABB
SBC/U6.0.11-84	2CKA006330A0009	BJE
SBC/U6.0.11-83	2CKA006330A0059	BJE
SBC/U6.0.11-884	2CKA006330A0057	BJE
SBC/U6.0.11-885	2CKA006330A0058	BJE

ABB Tenton® - new colours

Detailed product information

RTC with CO2/Moisture sensors, control element, 6gang



studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

RTC with CO2/Moisture sensors, control element, 10gang

Technical information:

Dimension (wxlxh): 90mmx166mmx13mm

Status LED: RGB-colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 2 (max: 24mA)

Article no.	Order no.	Brand
SBC/U10.0.1-84	2CKA006330A0012	ABB
SBC/U10.0.1-83	2CKA006330A0068	ABB
SBC/U10.0.1-884	2CKA006330A0066	ABB
SBC/U10.0.1-885	2CKA006330A0067	ABB
SBC/U10.0.11-84	2CKA006330A0011	BJE
SBC/U10.0.11-83	2CKA006330A0065	BJE
SBC/U10.0.11-884	2CKA006330A0063	BJE
SBC/U10.0.11-885	2CKA006330A0064	BJE



ABB Tenton® - new colours

Detailed product information

RTC with CO2/Moisture sensors, control element, 10gang



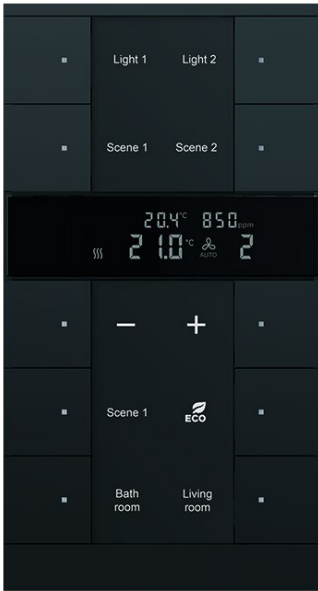
studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

Control element, 8gang

Technical information:

Dimension (wxlxh): 90mmx116mmx13mm

Status LED: RGB-colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 1 (max: 12mA)

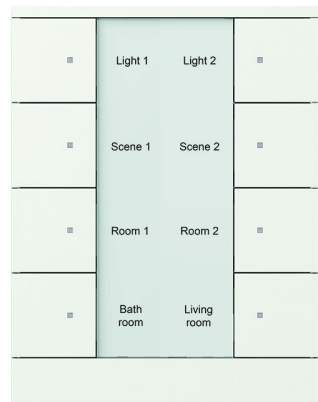
Article no.	Order no.	Brand
SB/U8.0.1-84	2CKA006330A0014	ABB
SB/U8.0.1-83	2CKA006330A0074	ABB
SB/U8.0.1-884	2CKA006330A0072	ABB
SB/U8.0.1-885	2CKA006330A0073	ABB
SB/U8.0.11-84	2CKA006330A0013	BJE
SB/U8.0.11-83	2CKA006330A0071	BJE
SB/U8.0.11-884	2CKA006330A0069	BJE
SB/U8.0.11-885	2CKA006330A0070	BJE



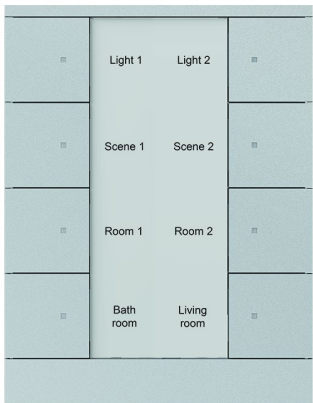
ABB Tenton® - new colours

Detailed product information

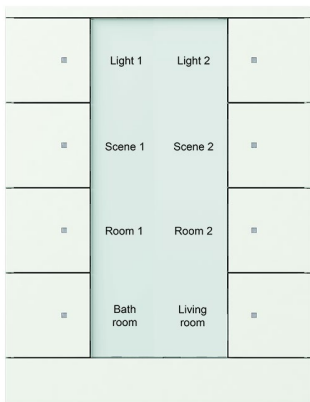
Control element, 8gang



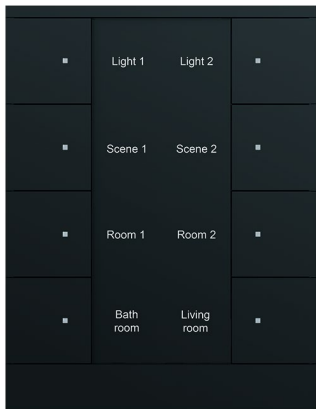
studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

Control element, 12gang

Technical information:

Dimension (b x l x h): 90mm x 166mm x 13mm

Status LED: RGB-colour concept

Labeling field : YES

Flush-mounting: YES

Surface-mounting: Yes, with separate support frame

Installation standard: VDE, BS, CH, NEMA

KNX subscriber: 1 (max: 12mA)

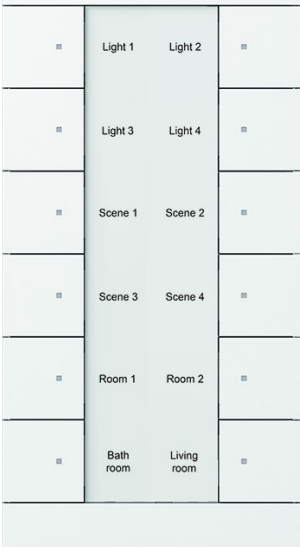
Article no.	Order no.	Brand
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SB/U12.0.1-83	2CKA006330A0080	ABB
SB/U12.0.1-884	2CKA006330A0078	ABB
SB/U12.0.1-885	2CKA006330A0079	ABB
SB/U12.0.11-84	2CKA006330A0015	BJE
SB/U12.0.11-83	2CKA006330A0077	BJE
SB/U12.0.11-884	2CKA006330A0075	BJE
SB/U12.0.11-885	2CKA006330A0076	BJE



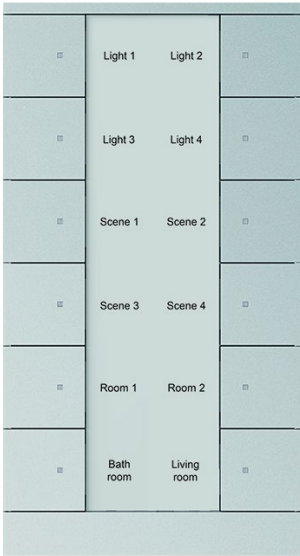
ABB Tenton® - new colours

Detailed product information

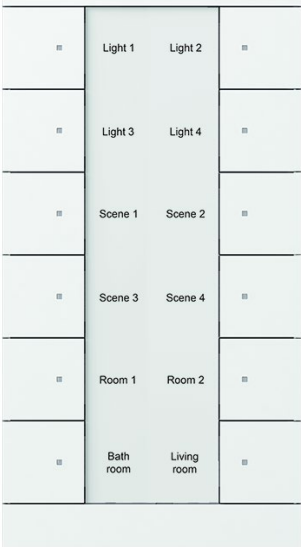
Control element, 12gang



studio white



aluminium silver



studio white matt



black matt

ABB Tenton® - new colours

Detailed product information

Support frame, small, SM

Technical information:

Flush-mounting: YES over the screw holes on the frame

Surface mounting: Yes

Installation standard: NONE

Article no.	Order no.	Brand
SAS/A.0.1-84	2CKA006330A0018	ABB
SAS/A.0.1-83	2CKA006330A0086	ABB
SAS/A.0.1-884	2CKA006330A0084	ABB
SAS/A.0.1-885	2CKA006330A0085	ABB
SAS/A.0.11-84	2CKA006330A0017	BJE
SAS/A.0.11-83	2CKA006330A0083	BJE
SAS/A.0.11-884	2CKA006330A0081	BJE
SAS/A.0.11-885	2CKA006330A0082	BJE



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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.

- Multiple functions:
switching, dimming, blinds
- Push-button
- Value transmitter, value dimming sensor
- Light scene extension unit
- Step-type and multiple operation
- Labellable switch rockers
- LED colour code concept

Standard control elements

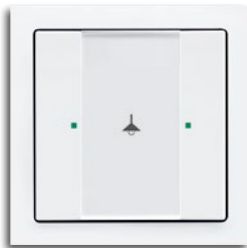
Quality as our basis

The standard 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, as well as for operating blinds and as a light scene extension unit. They can also be used in commercial applications. Anti-vandal protection has also been integrated – an important factor for installations in public areas.

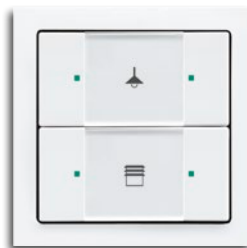
—
01 Standard control
element, 1/2gang

—
02 Standard control
element, 2/4gang

—
03 Standard control
element, 4/8gang



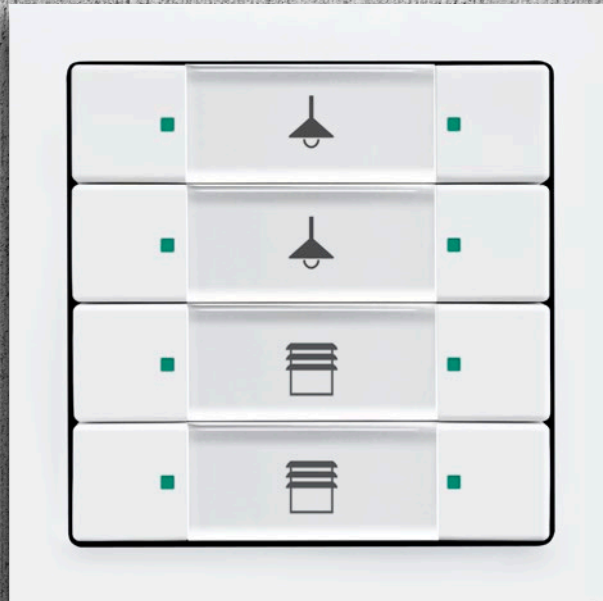
—
01



—
02



—
03



- Multiple functions:
switching, dimming, blinds
- Push-button
- Value transmitter, value dimming sensor
- Light scene extension unit
- Freely programmable
- Labellable switch rockers
- Status/orientation light (red/green/OFF)

ABB i-bus® KNX

User Operation – Design Ranges –

Unique diversity of the range

01



02



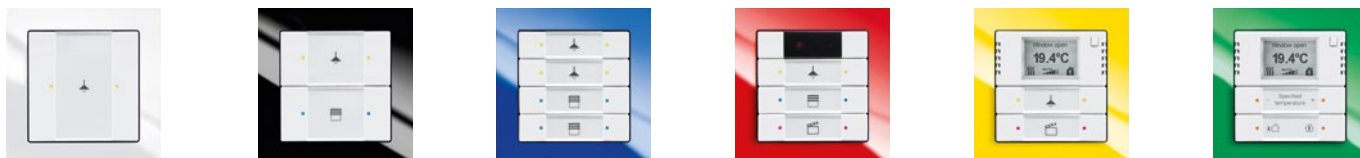
03



04



05



06



Software Design

Software – UI 1Gang/2Gang/3Gang/4Gang/RTC/RTC 2Gang

For all the 6 variants, the start page is same.



are Release

re – Delivery List


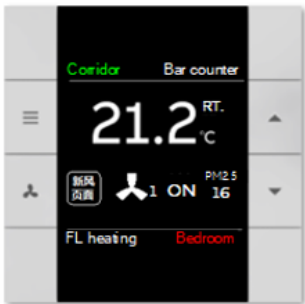


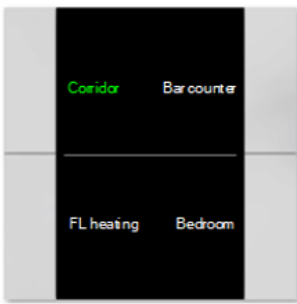

SW Work	Yurika Variant					
	A	B	C	D	E	F
						
	RTC	2Gang with RTC	4Gang w/o RTC	3Gang w/o RTC	2Gang w/o RTC	1Gang w/o RTC
FW Single Board KNX+GUI +(RTC)	4880_KNX.hex 4880_KNX.fwupd		4800_KNX.hex 4800_KNX.fwupd			
KNX Bootloader (Single board)						
ETS Application	YUBR_U0.0.1_XXX,RTC_V1.0.knxprod	YUBR_U4.0.1_XXX,RTC.w.2_4f_V1.0.knxprod	YUB_U4.0.1_XXX,4_8f_V1.1.knxprod	YUB_U3.0.1_XXX,3_6f_V1.1.knxprod	YUB_U2.0.1_XXX,2_4f_V1.1.knxprod	YUB_U1.0.1_XXX,1_2f_V1.1.knxprod

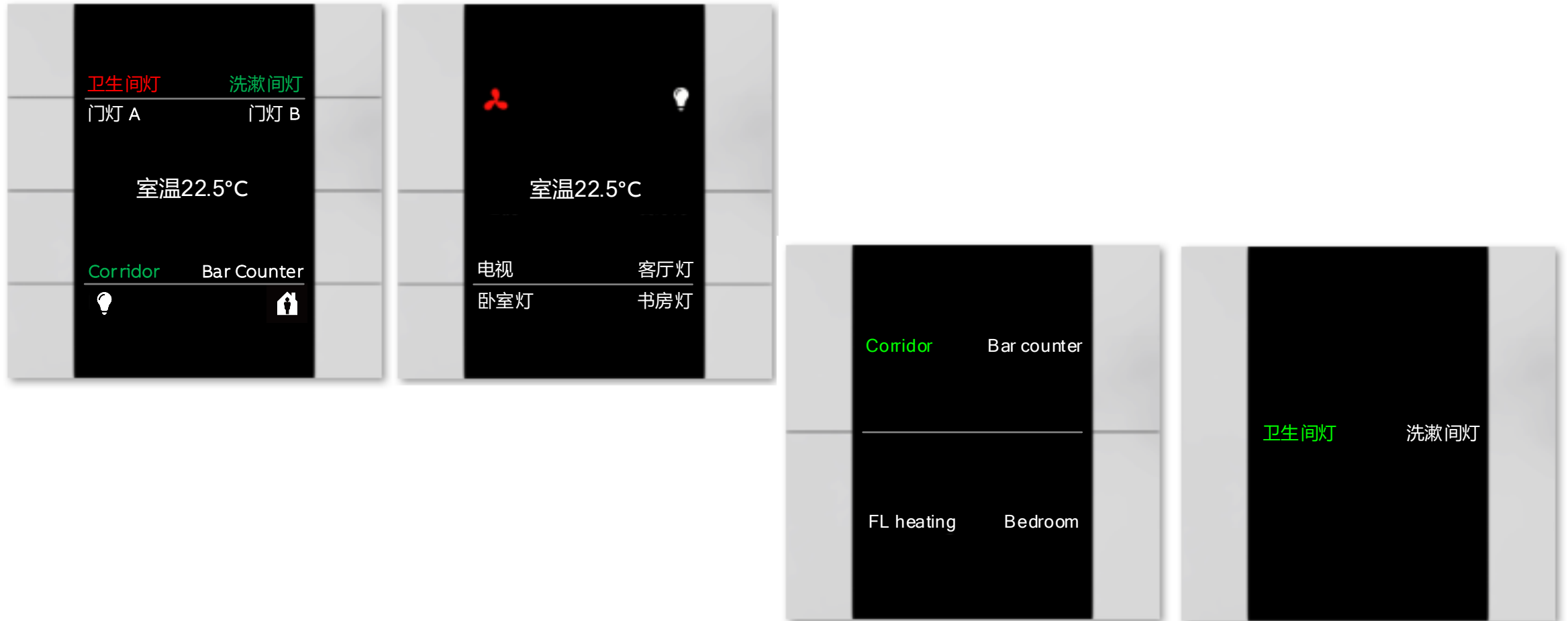
ABB Website

- **FW upgrade package via ETS:** 4880_KNX.fwupd, 4800_KNX.fwupd
- **ETS Application:**
YUBR_U0.0.1_XXX,RTC_V1.0.knxprod YUBR_U4.0.1_XXX,RTC.w.2_4f_V1.0.knxprod,
YUB_U1.0.1_XXX1_2f_V1.1.knxprod, YUB_U2.0.1_XXX2_4f_V1.1.knxprod, YUB_U3.0.1_XXX3_6f_V1.1.knxprod
YUB_U4.0.1_XXX4_8f_V1.1.knxprod.

Software Design

Software – UI of Push Button

Yurika 1/2/3/4 Gang support normal push button functions like Switching, Dimming, etc., and for 3Gang and 4Gang additionally support sub-display for some information from internal or external sensors.

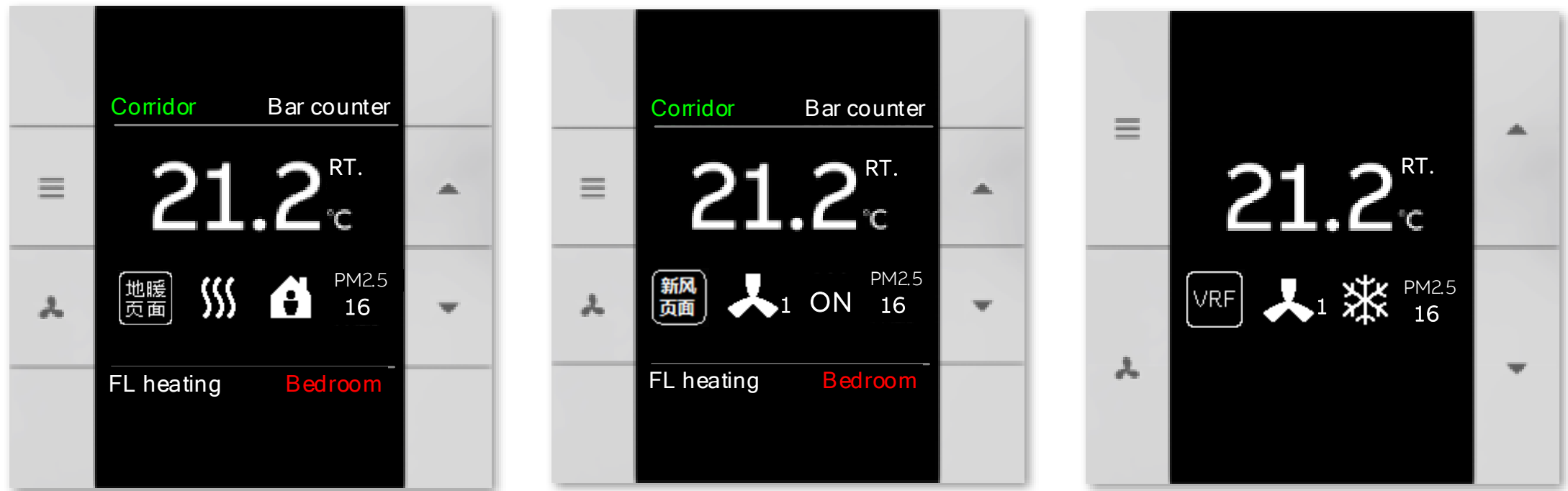


Software Design

Software – UI of HVAC (RTC+VRV+FA)

Yurika RTC and RTC 2Gang support operation on RTC related functions, such as Temperature Setting, Fan Speed control, Mode Control, etc.

With embedded RTC control logic, Yurika able to work as RTC controller(Single/Master/Slave).



Software Design

Software – App Instances


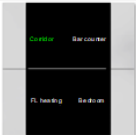




Device Type	Number of Application Instances (Max)
 1Gang	3 Labels + 2 One-Button Apps
 2Gang	6 Labels + 4 One-Button Apps
 3Gang	9 Labels + 6 One-Button Apps
 4Gang	12 Labels + 8 One-Button Apps
 2Gang w/ RTC	6 Labels + 4 One-Button Apps + RTC
 RTC	RTC

ABB RoomTouch®

KNXperience 2023 – Latest KNX Products and News

ABB RoomTouch® 4" aligns perfectly with ABB's new design language for hardware and software like the other panels



ABB RoomTouch® 4"



ABB RoomTouch® 5" KNX



ABB SmartTouch® 10"

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

Busch-ComfortTouch®	page 6–7
Busch-ControlTouch® KNX	page 8–9
Busch-SmartTouch® KNX	page 10–11
Busch-priOn®	page 12–13
Busch-triton®	page 14–15
Millenium KNX	page 16–17
Zenit KNX	page 18–19
Multifunction control elements	page 20–21
Standard control elements	page 22–23
Push-button coupling unit	page 24
Room thermostat fan coil	page 25
Functional building range	page 26–29
Technical data	page 32–39

Further information

Further information can be obtained on the Internet, in our product, solution, and assortment brochures, or from the central sales service under +49 (0) 2351 956-1600.

Busch-ComfortTouch®

Every day an individual experience

Simplicity and user-friendliness. The Busch-ComfortTouch® not only offers an extremely versatile range of switching and control functions for KNX systems, but also satisfies the highest design requirements. Its visualisation lifts intuitive operation to a whole new level.

—
01 Busch-ComfortTouch®
12.1
glass black

—
02 Busch-ComfortTouch®
12.1
white glass

—
03 Busch-ComfortTouch®
9
glass black

—
04 Busch-ComfortTouch®
9
white glass



01



02



reddot design award
winner 2013

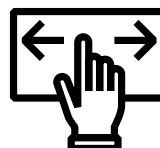


03



04

Busch-ComfortTouch® unites the functions of a home control system with an information and entertainment centre. You can use Busch-ComfortTouch® to switch lamps on and off, dim them, control blinds, set room temperature or select scenes by combining functions – even via remote control.

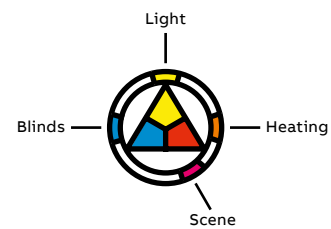


These functions are of interest not only for private households – the system is often used in doctors' surgeries, offices, restaurants or stores to provide attractive lighting, soft background music or comfortable room climates. A presence-simulation function and alarm message display provide added security. 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 touchscreen. A menu created individually for the user with clearly assigned buttons and a unique colour-coding concept allows simple and intuitive operation.



Colours that make life easier

A colour-coding concept and durable LED technology make Busch-ComfortTouch® 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.



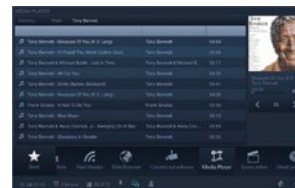
Door communication



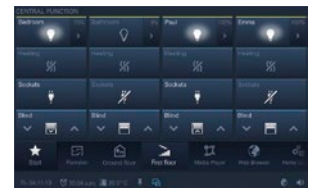
Video surveillance



Media player



Control of household appliances



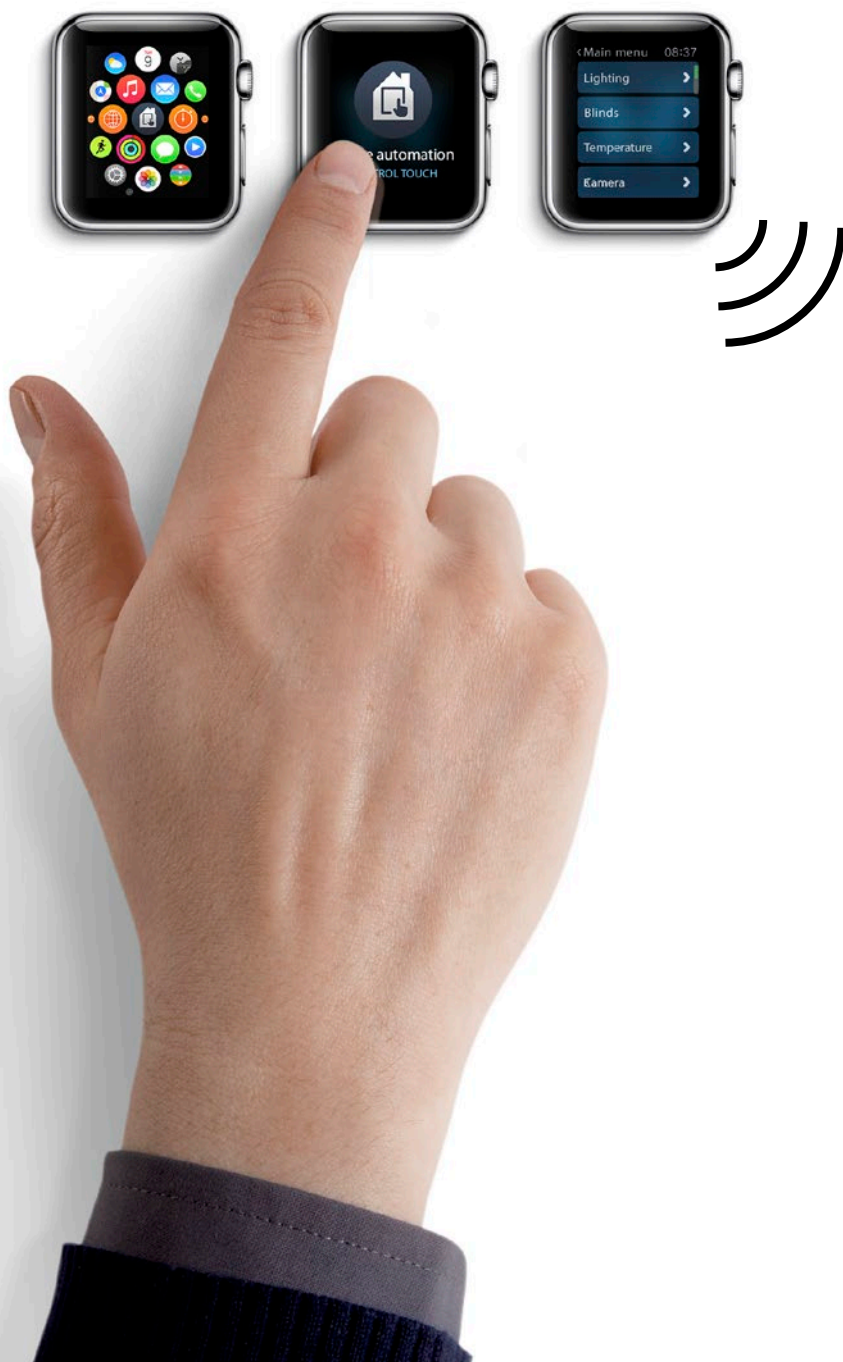
The system is controlled via the Busch-ComfortTouch® – it couldn't be easier. Buttons with text and symbols allow intuitive operation. Just a touch of the finger, and you can call up the MP3 player and play individual titles or playlists. And the volume is regulated via the panel, too. The ideal solution, not only for homes – the system is, for example, popular in restaurants. No more CDs lying around, no more finding space for a conventional hi-fi system. 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 to leave 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.

Busch-ControlTouch® KNX

Easy KNX remote control with mobile device

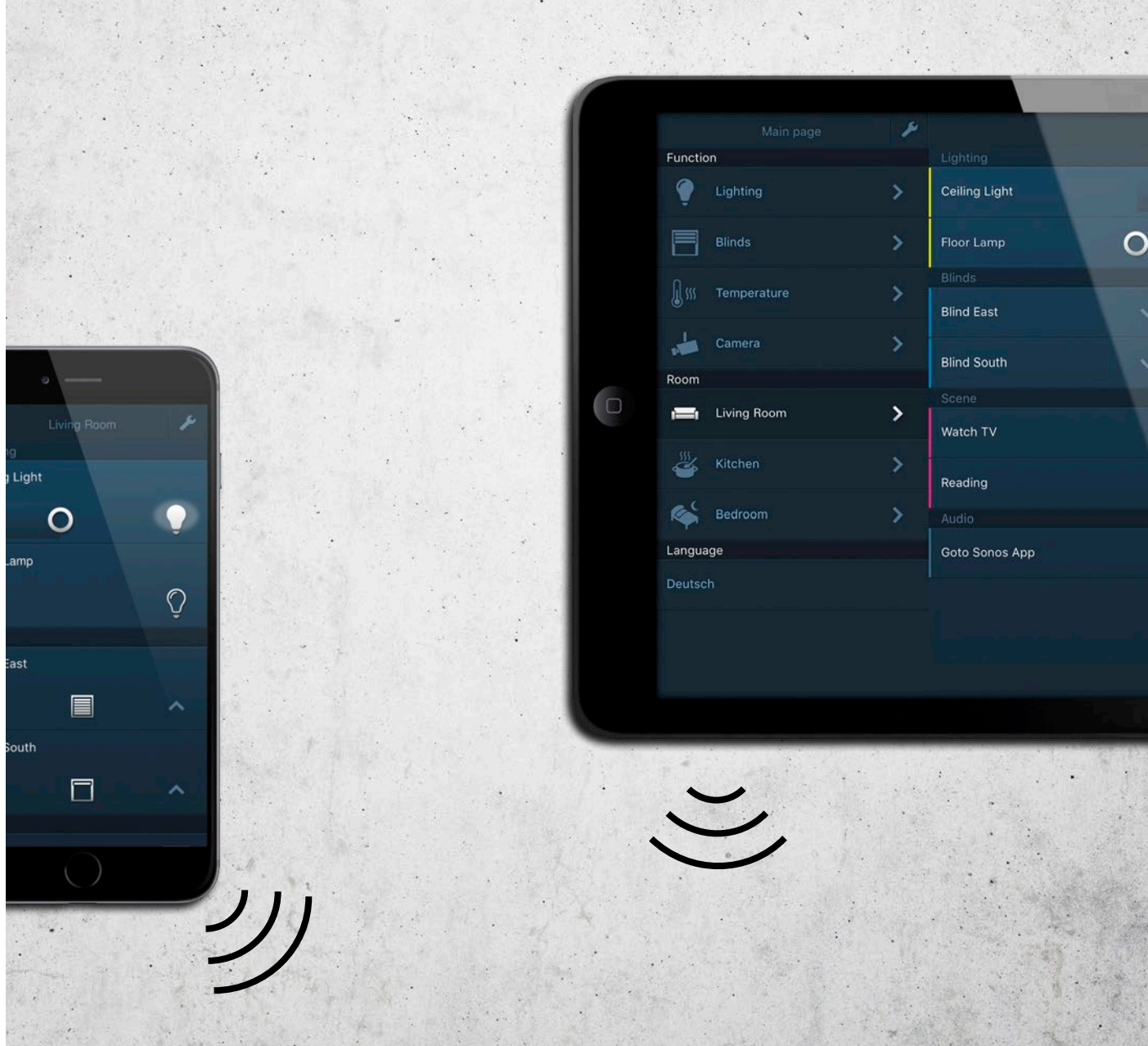
Busch-ControlTouch® KNX. Previously only operated via the Busch-ComfortTouch® or via a switch, the KNX system can now be operated remotely using a smart device. Clear control for installer and customer alike.



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.



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

Agenda

ABB RoomTouch®

Introduction

Mounting and Installation

UX – Operating Concept

Commissioning with DCA

Overview DCA Tool

System Settings

Pages and Functions

UX
DESIGN
AWARDS

nominated
2020



reddot winner 2020



Webinar “ABB RoomTouch® KNX”

Introduction

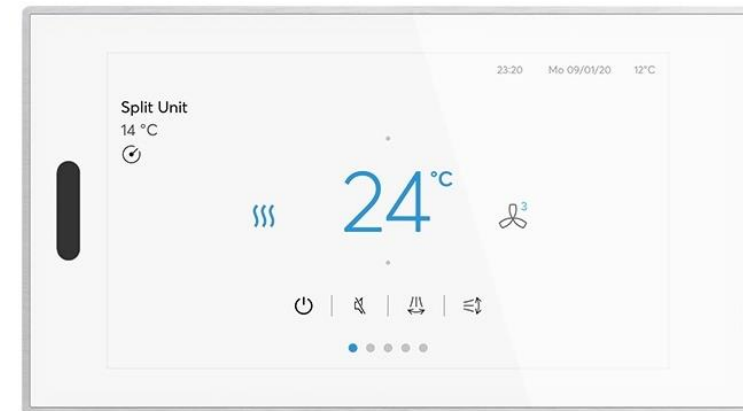
Motivation and goals

ABB RoomTouch®

Easy operation, easy commissioning, easy installation according to customer desire, regardless of private home, meeting room or hotel

– What are the issues we deal with again and again with our KNX control elements and panels?

- Labeling
- Operation
- Individualization
- Angle of view
- Mounting space



Webinar “ABB RoomTouch® KNX”

Introduction

Motivation and goals

- Small touch displays to control rooms are upcoming
- A touch panel is more flexible than a static push-button
- Lots of functions on a small space
- High quality of material:
 - Glass
 - Metal
- Known smartphone control concept by wiping up/down left/right



Webinar “ABB RoomTouch® KNX”

Introduction

USPs

- ABB RoomTouch® will expand our range by an additional high-quality KNX Touch panel
- One Panel that can be mounted portrait and landscape
- New operating concept for quick operation of your lights, blinds, temperature, scenes and audio
- Flat, good looking device with enough functions for a room and for the right price
- Integrated temperature sensor
- Proximity sensor will switch on the device when I am near to it
- Quick switch off when the room is dark (bedroom application)



Webinar “ABB RoomTouch® KNX”

Introduction

Functions – Landscape mode

- Primary function (whole hand will trigger the primary function)
 - 1-bit
 - 1-byte value [0..100%]
 - 1-byte value [0..255]
 - Light scene number [1..64]
 - RTC operation mode [1-byte]
- Maximum of **30** controls spread over max. **10** pages
 - Switch
 - Dimmer (4-bit and 8-bit)
 - Shutter
 - RTC
 - Scene
 - Value
 - RGB(W) | White colour control
 - Fan speed control
 - Display element
 - Audio control
 - Split unit control
- Time programs (10 timer with 6 time slots)
- Scene actuators (4 actuators with each 15 participants)
- 20 Notifications divided in 3 groups (alarm, hint, fault)
- 1 Internal RTC
- 10 Logical functions
 - AND | OR | NAND | NOR
 - Multiplexer
 - Multiplier
 - Gate
 - Temperature comparator
 - State converter
 - Time function

ABB RoomTouch® 4"

Impressions - Operation

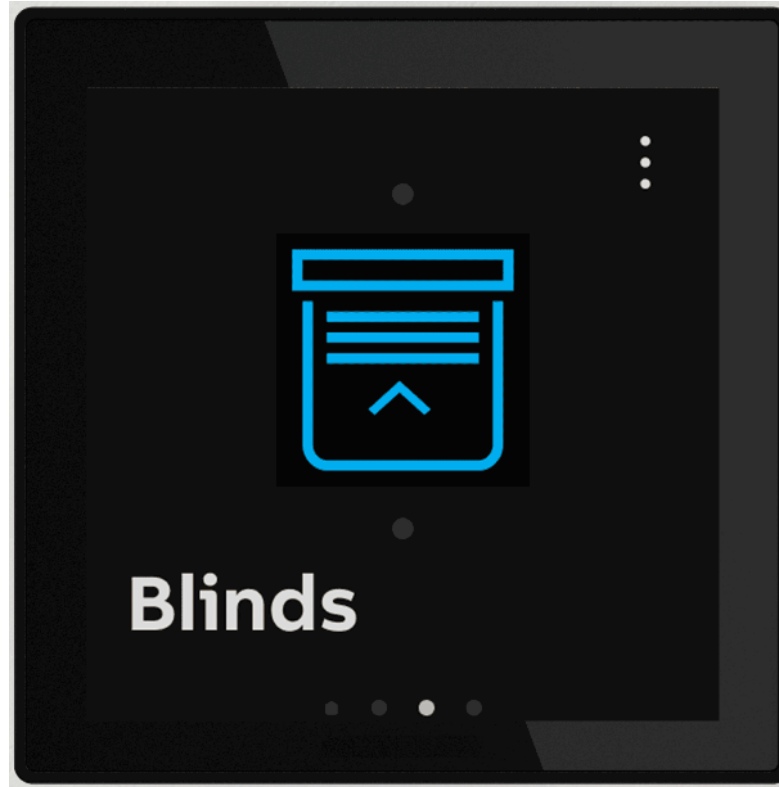


ABB RoomTouch® 4"

KNXperience 2023 – Latest KNX Products and News

Main technical data (Hardware)

- Touch screen with IPS display, 4" (10,16 cm), square format
- Display resolution: 480 x 480 pixel
- Max. brightness: +/- 240cd/m²
- External Power supply 20-32 V =
- Rating current 24 V =, 100 mA
- Dimensions (L x W x D): (86mm x 86mm x 11mm)
- SD card slot for firmware update, optional import configuration from ETS, photos for screensaver
- Integrated temperature sensor
- Bus connection: KNX or ABB free@home
- Terminals for a binary input or external temperature sensor input (PT1000 / 6226/T)
- Life cycle: 20,000h with max brightness > 125cd/m²



ABB RoomTouch® 4"

KNXperience 2023 – Latest KNX Products and News

Software features

- 12 pages, each 1,2 or 4 functions
 - → easy and fast to operate
- 12 control functions including Room Temperature Control
 - → all room functions in one device
- Additional information page with up to 12 status information
 - → Get important status at a glance
- Integrated adaptable proximity sensor
 - → when approaching wake up the device and send a command
- Primary function
 - → Activate with 3 fingers or more the main room function
- KNX data secure capable
 - → prepared for secured communication on twisted pair cable



ABB RoomTouch® 4”

KNXperience 2023 – Latest KNX Products and News

Software features

- 10 logic functions
- 10 weekly timers for RoomTouch functions, adjustable by user
- 4 scene functions (10 different scenes with up to 15 participants)
- 13 different control elements
 - Switch/Rocker switch
 - Dimmer/Dimmer slider
 - RGBW Control
 - Value Slider
 - Blind
 - Fan Switch/Room Temp. Control/Split Unit- and VRV Control
 - Scene
 - Audio Control



ABB RoomTouch® 4"

KNXperience 2023 – Latest KNX Products and News

Quick and user friendly access to all pages and functions behind by scrolling the pages to left and right

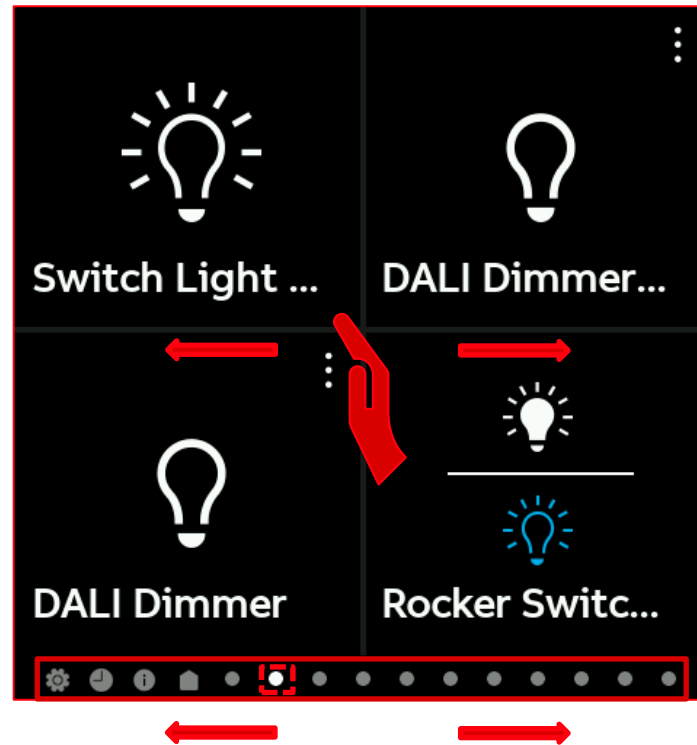


ABB RoomTouch® 4"

KNXperience 2023 – Latest KNX Products and News

Click on gear to enter System Settings. Type in PIN code (when activated in ETS)

System Settings

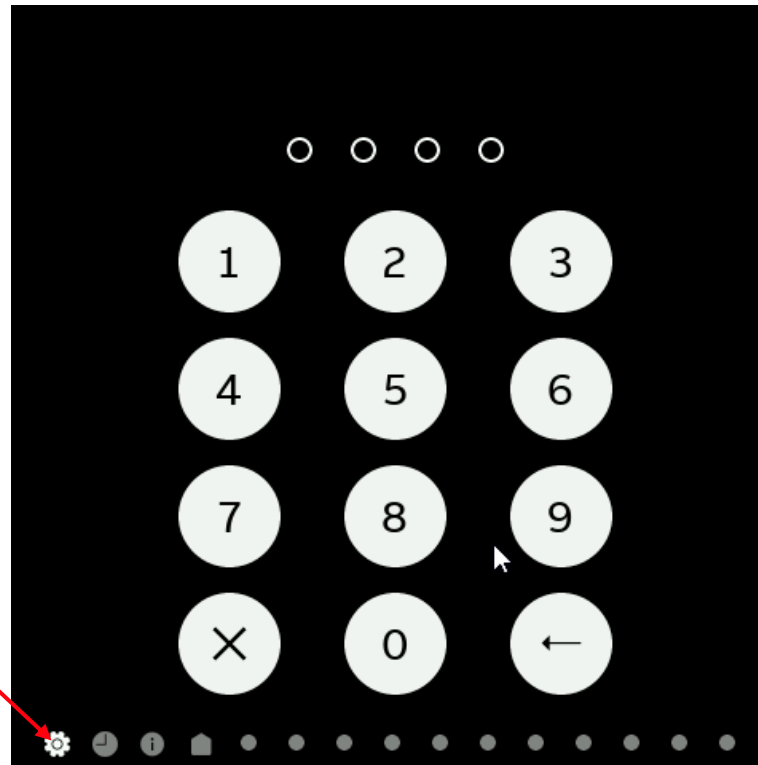


ABB RoomTouch® 4”

Coming soon...

ABB Trevion® with 2,4” display – like a classical push button with a frame, similar functionality as ABB RoomTouch® 4”

