:hager
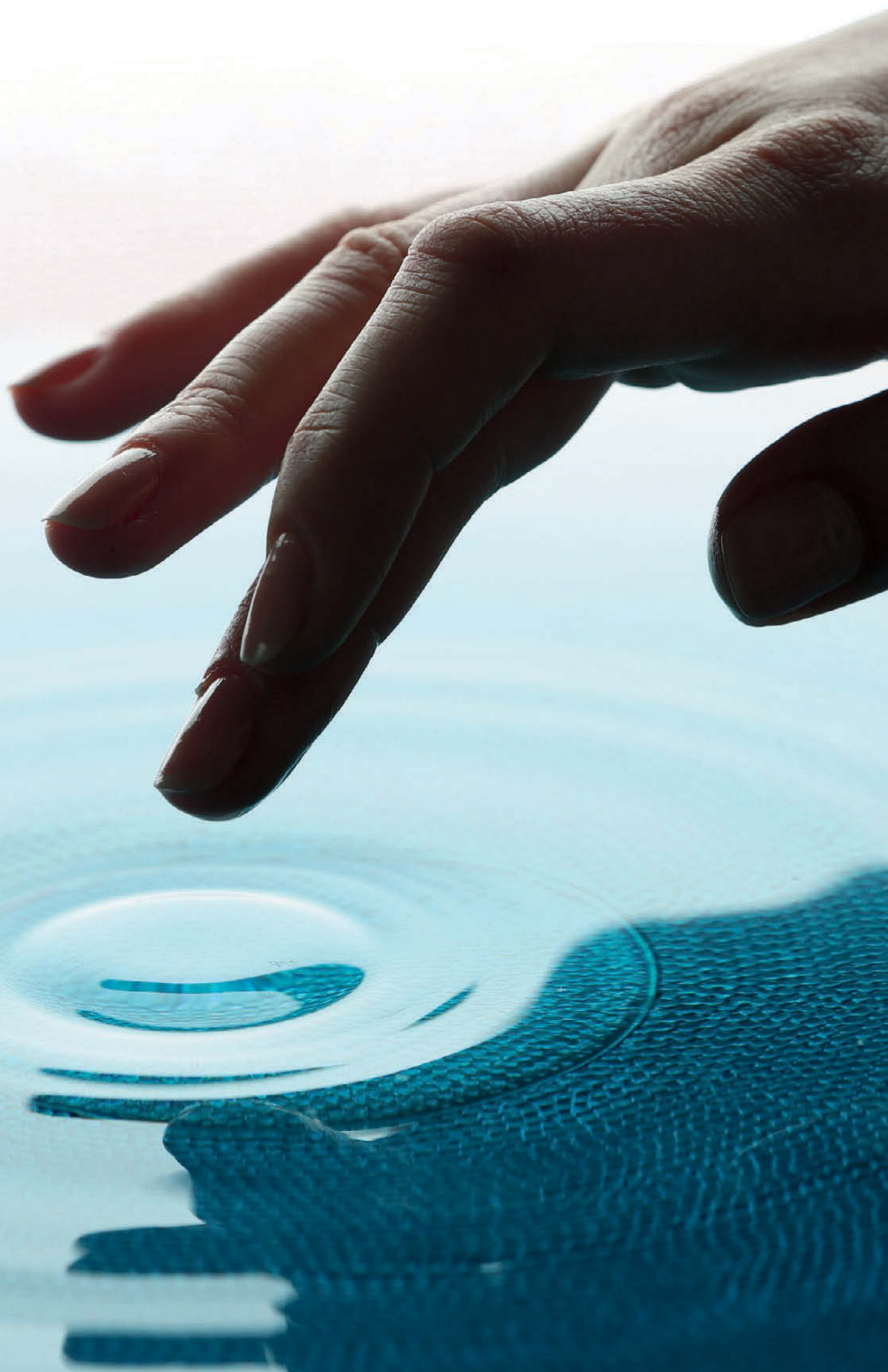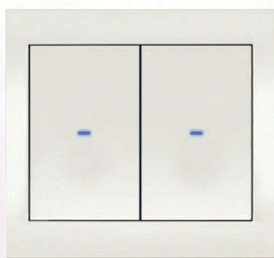
Berker by Hager KNX sensors
Product information

Contents

New Berker by Hager KNX sensors
Intelligence meets elegance

Elegance combines with intelligence and versatility in the new range of KNX push-button sensors from Berker by Hager. Whatever your project, you'll find a sensor adapted to your needs. Choose from the stylish KNX push-button BAU with integrated bus application unit, the KNX push-button (1gang to 4gang) with RGB status LEDs, the KNX thermostat or KNX room controller. And Berker by Hager's innovations don't stop there. The multifunctional KNX Touch Control is a breakthrough solution that can be used as a "small control centre" in the home. Its stylish flat-edge design means it can easily be integrated into any setting – from sophisticated residential buildings to prestigious commercial property. These new sensors are all available in Berker's familiar design lines. Even the KNX Touch Control features design frames that integrate seamlessly with your preferred Berker by Hager switch range.
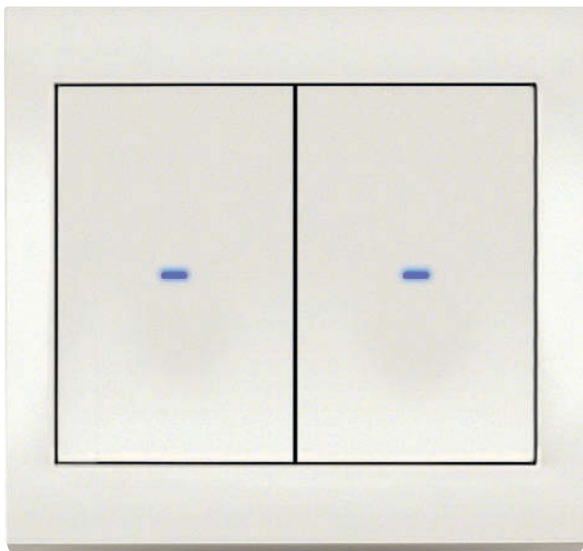
KNX push-button module 1 to 2gang with integrated bus application unit

It looks like a simple switch, but it's so much more! With an integrated bus application unit and temperature sensor, the KNX push-button BAU delivers intelligence and reactivity – making it the perfect way to enter the KNX world. Available with one or two buttons, it is particularly suited to simple KNX installations.

KNX push-button 1 to 4gang

With its modular design, the new KNX push-button delivers outstanding user comfort. A flush mounted insert serves as an intelligent bus application unit (BAU), while the insertable sensor field ensures the user interface is fully optimised.

Thanks to an innovative operating concept, the KNX thermostat and KNX room controller deliver an exceptional user experience. Below a 1.93"-TFT colour display is a touch area combining capacitive and mechanical operating technology. The swipe and touch functionalities make these sensors simple to use, while their compact design means they add a touch of elegance to any home.

The new KNX push-button sensors are a perfect example of how Berker by Hager combines cutting-edge technology with outstanding design. Respecting recommended installation heights, these sensors deliver exceptional user comfort–especially when combined with other KNX products.

Thanks to their inbuilt temperature sensor, they can serve as a detector for the KNX Touch Control. In this way, the KNX Touch Control becomes the nerve centre of the home, displaying information about different rooms while also controlling and offering visuals of central and group functions.

All the Berker by Hager KNX sensors
can be programmed via the ETS (Engineering Tool Software).

KNX thermostat and KNX room controller

Combining a unique touch-sensitive 1.93"-TFT colour display with a mechanical pressure-sensitive button, the KNX thermostat and room controller deliver swipe and touch functions in a compact design.

KNX Touch Control

For fans of design and technology, Berker by Hager has created a solution that goes beyond traditional sensors. The new KNX Touch Control is a high-end capacitive touch sensor combining flat-screen optics with touchpad haptics. Designed as a "small control centre", it offers all the most advanced functions of the KNX range.

Push-button module with integrated
Intelligent control for increased savings

From the outside, the new KNX push-button may look simple - but, on the inside, it's an intelligent system that "thinks" and "feels". Thanks to an integrated bus application unit, it can connect to the house's KNX system. And thanks to a temperature sensor and RGB status LED on each rocker, it offers significant added value compared with traditional push-buttons. It's the perfect solution for less complex projects and a great way to enter the KNX world.

Application:
Push-buttons BAU are an alternative to multi-functional KNX push-buttons and are used in KNX installations as a "normal" operating section that can be operated by any user. The rockers are in mid position with group button functionality: two different functions can be called up in the 1gang version and four different functions in the 2gang version.
The integrated temperature sensor measures the external temperature and sends this information to the KNX bus, where it can be displayed or controlled by devices such as domovea, the new KNX Touch Control, the KNX thermostat, or the KNX room controller.

Recommended use
• Operation of loads, e.g. light ON/OFF
• Dimming, blind UP/DOWN, saving and opening of light
  scenes, etc.

Product characteristics
• Operating function: switching, dimming, blind control
• Value transmitter, scene call-up, specification of heating
  operating mode, forced control, stepping switch and
  comparator function
• One status RGB LED per rocker
• Function and colour of the status LEDs configurable
• Integrated bus application unit
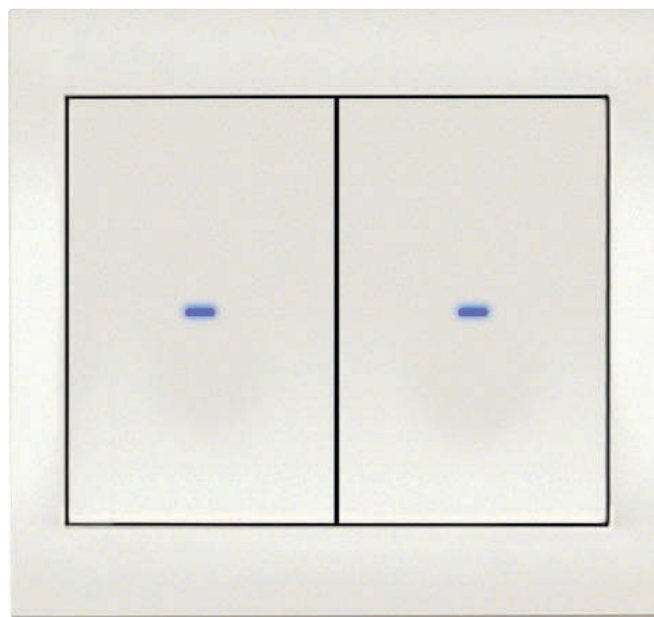
Design: Berker K.1, KNX push-button
BAU with integrated bus application
unit, polar white
Figure in original size.

bus application unit

Design and layout of the device
1. Rocker with lens (not delivered)
2. Push-button module
3. Fastening clamps
4. Frame (not delivered)
5. Supporting ring with clamp fastening
6. Screw for dismantling protection
7. Status LEDs
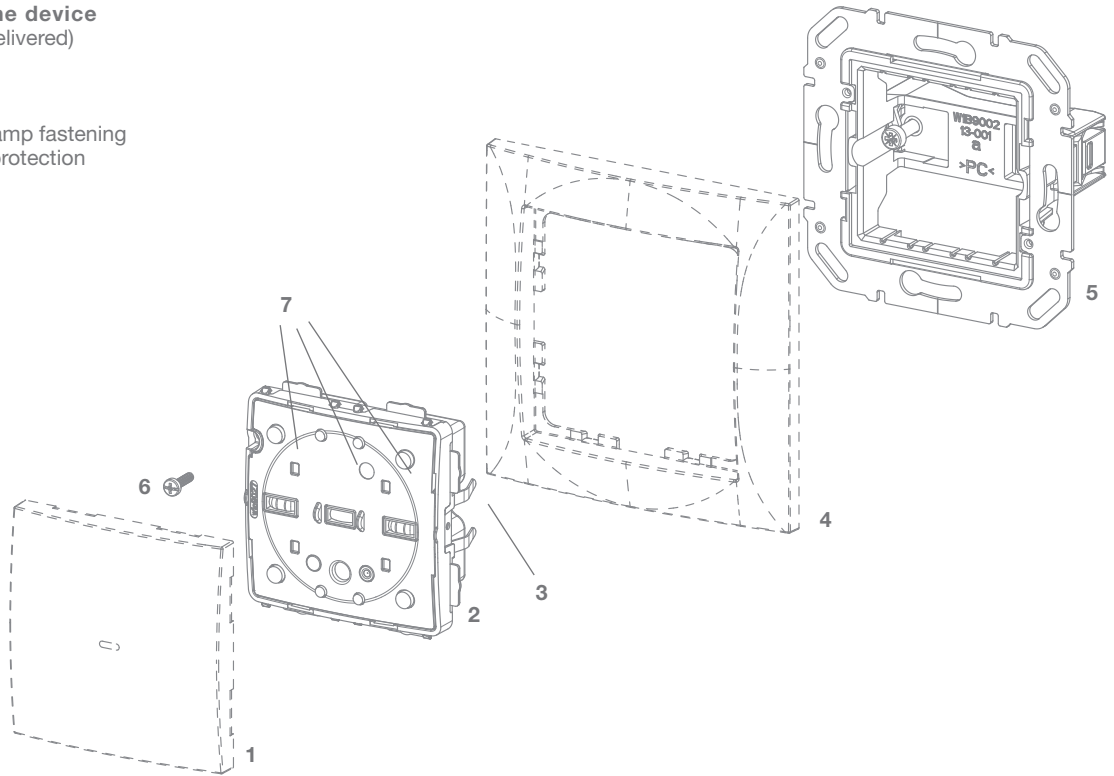
Operation
Triggering of functions and operation of electrical loads takes place via touch areas (shown dashed in the figure) and can be set individually for each device.
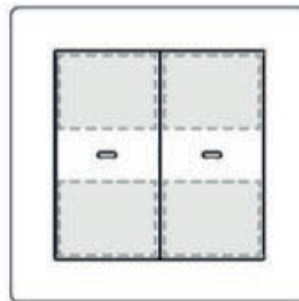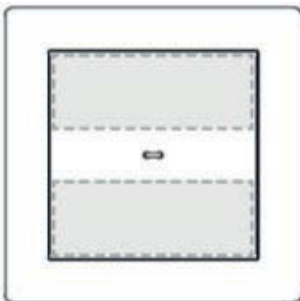
There are two operating modes:

- Single-surface operation (per rocker):
  Switching lighting on/off or dimming (brighter/darker) is carried out alternately by repeatedly pressing the rocker (top or bottom button area call up the same function). Status LED can be parameterised as status display.

- Two-surface operation (per rocker):
  Two lined up touch areas call up two different functions independently of each other. For example, the top touch area switches the ceiling lighting on and off, and the bottom touch area switches the wall light on and off.

KNX push-button 1-4gang
Extra functions for exceptional usability

With its modular design, the new KNX push-button delivers outstanding user comfort. A flush mounted insert serves as an intelligent bus application unit (order no. 8004 00 01), while the insertable sensor field ensures the user interface is fully optimised.

Dimmable and colour-changing RGB LEDs are included in the sensor buttons, while the BAU features an integrated buzzer. And for all push-buttons in all design lines, just one application software can be parameterised in the 1gang to 4gang configurations. It couldn't be easier to install this versatile push-button.

Product characteristics

• One application for all design lines and 1gang to 4gang variants
  - The electrician can programme without his customer having to opt for a design, since the application programme is downloaded directly into the bus application unit and this is also possible without an additional user module (only 1gang and 2gang variants are available for R.x)

• RGB LEDs
• Application at a very high level
• Temperature sensor integrated in the push-button
• External temperature sensor (EK090) can be connected (to bus application unit)
  - Integrated and external temperature sensor can be used separately via separate communication objects

Dimmable RGB status LED

Integrated temperature sensor

Design: Berker Q.1, KNX push-button 1gang to 2gang, anthracite
Figure in original size.

The new KNX push-buttons are available in all standard colours in 1gang to 4gang variants for the Berker design lines S.1, B.x, Q.x, K.x. and in 1 to 2gang variants for the R.x design line. For larger projects, we recommend BAU delivered in practical packing units of 10 pieces.

For the Q.x design line, the 4gang push-button can be combined with the normal 1gang frame. For S.1, B.x and K.x design lines, frames with a large cut-out must be used.
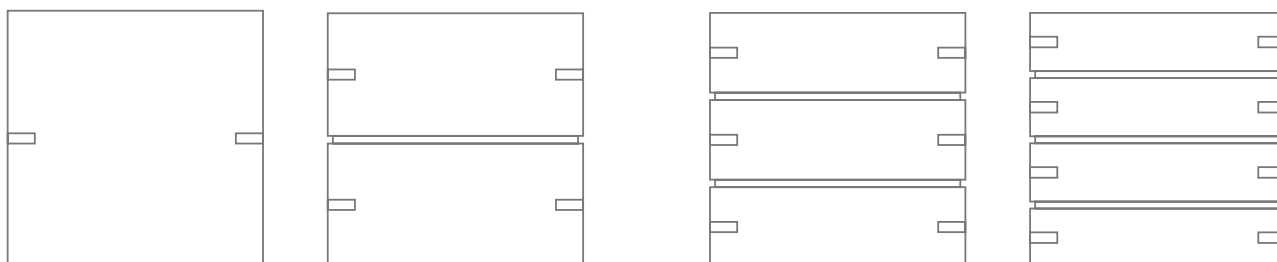
Features of the new bus application unit
• External temperature sensor can be connected
• Integrated buzzer as commissioning tool for localisation (can be activated via ETS)

• Hinged cover for interface and labelling with physical address (the folded-down hinged cover protects the interface and labelling during painting)
• In a pack of 1 or 10 pieces: practical for large projects (less packaging material, easy access)

Folding-down protective cover for interface and address field (e.g. during painting)

Interface for push-button

Combination: programming button and LED

Anti-theft protection via screws

Retractable retaining claws

Buzzer for acoustic localisation, which can be activated via the ETS function "Physical address – switch on/off device LEDs"

KNX interface

Connection for external temperature sensor

KNX thermostat and KNX room controller
Swipe & press for complete control

Thanks to an innovative operating concept, the new KNX thermostat and KNX room controller deliver an outstanding user experience. Below a 1.93"-TFT colour display is a touch area combining capacitive and mechanical operating technology. With a quick swipe of the hand, users can scroll through different menus. To select a function, they simply press down on the touch pad. It couldn't be simpler or more intuitive. And the KNX room controller offers the added comfort of managing not only the room temperature, but also ventilation and numerous other functions.

Product characteristics
- 1.93"-TFT colour display
- KNX thermostat: for temperature and ventilation control
- KNX room controller: temperature control, ventilation control, 9 other functions can also be programmed as requested
- Temperature sensor integrated and external temperature sensor can be connected
- Capacitive operating surface with mechanical pressure points

- Integrated fully functional clock (4 h power reserve and thus insensitive to power failures)
- Holiday programme (standby mode during an adjustable period of time)
- Easy programming of the time function via graphic display
- Can be reset to a specific functional status (this is saved after each application download)
- 13 languages integrated
- Home status page for displaying text messages

Easy programming of the time function via graphic display

Design: Berker Q.3, KNX thermostat and room controller, anthracite. Figure in original size.

Functions
- Commissioning and programming via ETS
- Measurement of the room temperature and comparison
  with set temperature
- Sensitive touch control surface
- Selection of the operation mode
- Operating modes: comfort, standby, economy mode,
  frost/heat protection, holiday mode
- Heating and cooling mode
- Ventilation function
- Timer function
- Display of status and power consumption
- Push-button functions such as switching, dimming,
  blind/roller shutters etc. (KNX room controllers only)
- Connection for external temperature sensor
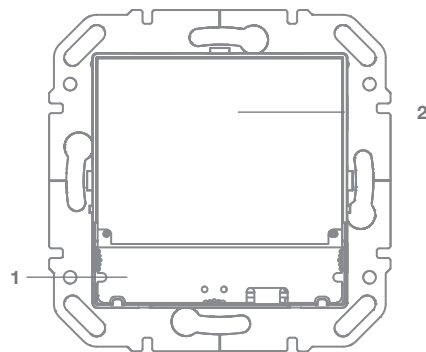
Front View
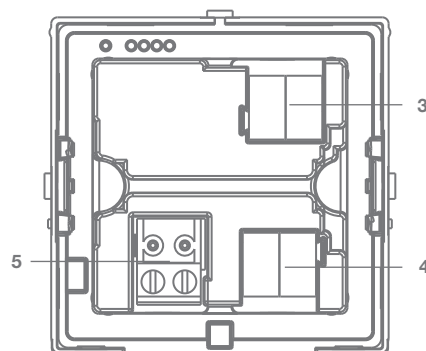
Rear View

Design and layout of the device
1. Sensitive touch control surface
2. Display area
3. Connecting terminal auxiliary voltage 24 V ... SELV
4. KNX bus connection terminal
5. Connecting terminal of external temperature sensor (not delivered,
   enclosed with the temperature sensor)

KNX thermostat and KNX room controller
How it works

The device compares the current room temperature with the temperature set by the user, and controls heating and cooling devices accordingly. This means the heating system must be compatible with both heating and cooling modes. To set a temperature, users can choose the "Operating mode", "Holiday mode" or the "Setting menu". The current operating mode, time and room temperature are displayed on the screen (Figure 1), with the display configuration changing depending on the chosen settings. In the upper status line, the current setting is indicated by displaying one of six different symbols (6).

Room controller
• The room controller also has push-button functions
  in addition to the thermostat. This allows, for example,
  lighting to be switched/dimmed, or roller shutters/blinds
  to be operated.
• Up to 3 control surfaces can be freely configured for these
  functions per display page. A maximum of 9 functions are
  freely programmable.

Figure 1: Basic display
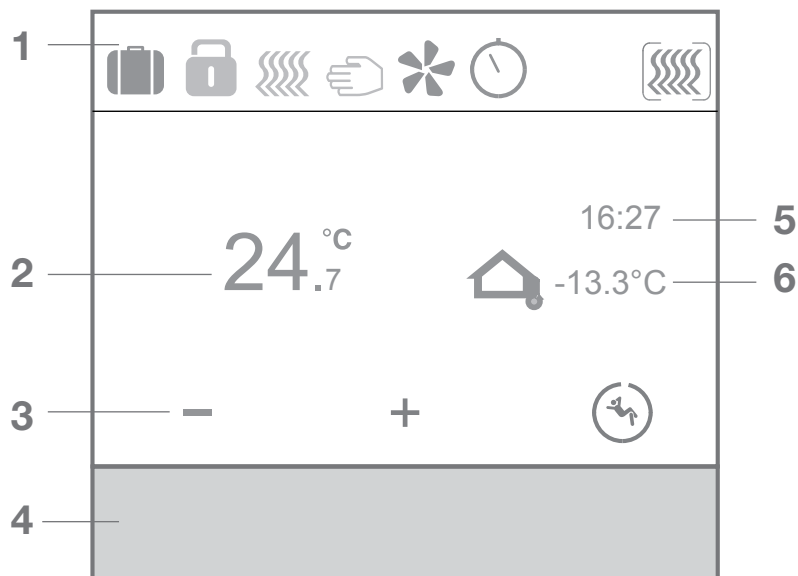
1. Status line with symbols
2. Current room temperature
3. Display of active functions (-/+)
4. Touch-sensitive control surface
5. Current time/date
6. Current measured external temperature

The screen is subdivided into a display area and a control surface (Figure 1). Below this, the current room temperature (2), the current value of the external temperature sensor (6), and the current date or time (5), are visualised in basic operation. In setting mode, both areas are used for displaying selection and parameter values. Bottom line of the screen (3) changes its presentation depending on the menu item. Symbols indicate active/inactive functions which can be triggered using the touch control surface (4) below.

• **Push-button operation:**
  Switching on/off, confirming or changing a function or a function parameter by pressing the respective touch control surface below the displayed symbols (Figure 2).

• **Swiping function:**
  By "swiping" over the touch-sensitive control surface, from left to right or the other way, it is possible to change to next/previous page, exit the current operating level, or cancel the parameter entry/change (Figure 3).

Lighting or blind control functions are operated through the touch-sensitive control surface and depend on the device configuration (Figure 1). To operate a function or load, press the touch-sensitive control surface (4) which is below (-/+) symbols (3).

Figure 2: Touch areas of the touch control surface

Pressing one of the three touch areas (7) below the function symbols causes the corresponding function to be executed.
Please notice! By "swiping" your finger over the touch-sensitive control surface you cancel the parameter setting on each menu level and change to the next higher menu level.

Figure 3: Swipe function

Swipe your finger over the touch-sensitive control surface (4) to visualise next/previous screen for an easy configuration of parameters and values.
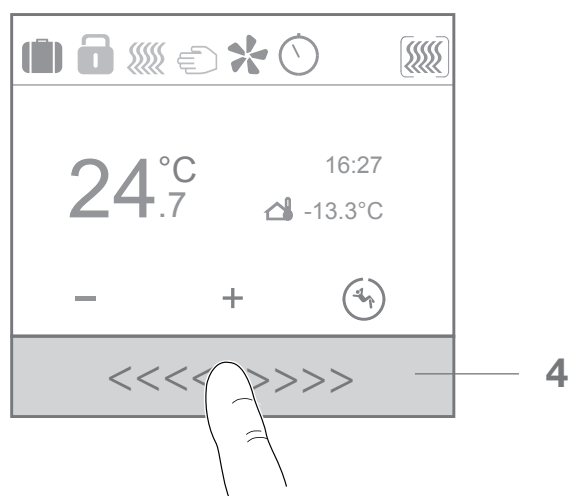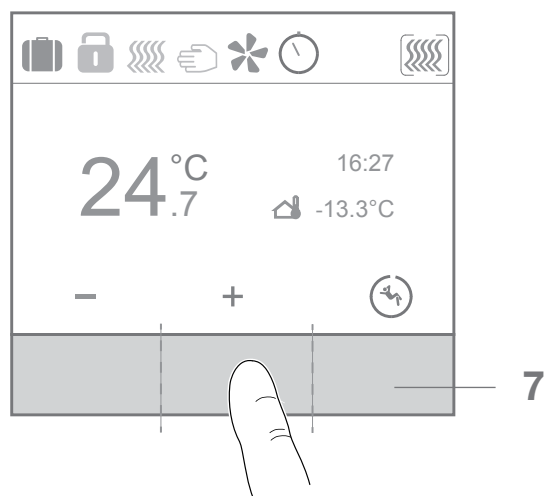
KNX Touch Control
The ultimate all-rounder
with unlimited potential

Combining flatscreen optics with touchpad haptics, the new KNX Touch Control is an intelligent multi-purpose solution for even the most advanced KNX installations. Its high-quality frames ensure it fits perfectly into the Berker by Hager design range. And its innovative technology delivers an unparalleled user experience. As soon as the user approaches, a proximity sensor activates the 3.5" TFT touch display screen. Its multiple control functions have been specially designed for easy programming. And up to 10 different touch display screens can be configured from 37 predefined layouts. The new KNX Touch Control from Berker by Hager is the ultimate compact KNX solution with endless options and unlimited possibilities.

Product characteristics

- Capacitive 3.5" touch display, resolution of 320 x 240 pixels
- Up to ten pages for operating elements and display selection from 37 predefined layouts
- Integrated proximity sensor for quick activation of the display from standby mode and for triggering functions via a corresponding communication object
- Integrated brightness sensor for automatic adjustment of the display lighting
- Integrated scene control (16 scenes), timer, alarm clock

- 5 automatic channels for regulation and control (e.g. room temperature control via the KNX temperature sensor of the new push-button sensors)
- 4 AND as well as 4 OR logic gates with 4 inputs each (communication objects)
- 4 inputs for binary contact or temperature sensor
- MicroSD card slot e.g. as memory for image data for screen saver
- Icons for display can be replaced (icon library, microSD card).

Design: Berker, KNX Touch Control, stainless steel matt finish.
Figure in original size.

Touch area 1gang to 6gang

Thu. 06-30-14 10:34 ⚙	Thu. 06-30-14 11:32 ⚙
LIGHT BATHROOM / Off	DRESSING ROOM (ON), SPOT HALLWAY 1 (OFF), SPOT HALLWAY 2 (OFF) / LIGHT BATHROOM 1 (OFF), LIGHT BATHROOM 2 (OFF), LIGHT BATHROOM 3 (OFF)
‹ Page 5	Page 6	Page 7 ›	‹ Page 5	Page 6	Page 7 ›
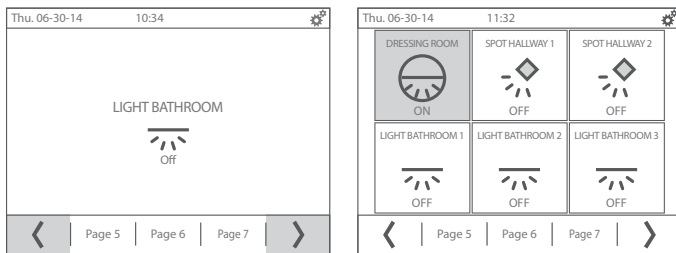
Rocker 1gang to 3gang vertical and 1gang to 2gang horizontal

Thu. 06-30-14 11:57 ⚙	Thu. 06-30-14 12:03 ⚙	Thu. 06-30-14 12:21 ⚙	Thu. 06-30-14 12:24 ⚙
BLIND 55% 33%	DRESSING ROOM (OFF), ROLLLER SHUTTER (60%), BLIND (55% 33%)	AWNING — 50% +	LIGHT HALLWAY — + / SPOT HALLWAY OFF
‹ Page 5 Page 6 Page 7 ›	‹ Page 5 Page 6 Page 7 ›	‹ Page 5 Page 6 Page 7 ›	‹ Page 5 Page 6 Page 7 ›
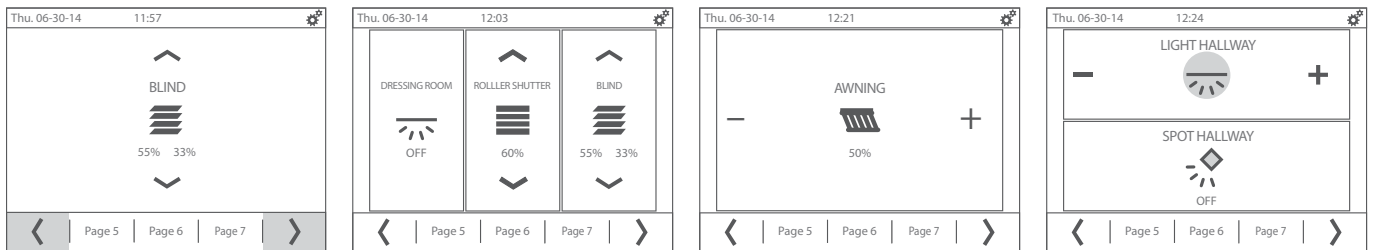
Various layouts with combinations from push-button and rocker surfaces

Thu. 06-30-14 12:06 ⚙	Thu. 06-30-14 12:33 ⚙
+ DRESSING ROOM / LIGHT BATHROOM (ON) / BLIND 55% 33% / −	LIGHT HALLWAY 1 (ON), LIGHT HALLWAY 2 (OFF), LIGHT WALL (OFF) / WINDOW HALLWAY — 80% +
‹ Page 5 Page 6 Page 7 ›	‹ Page 5 Page 6 Page 7 ›
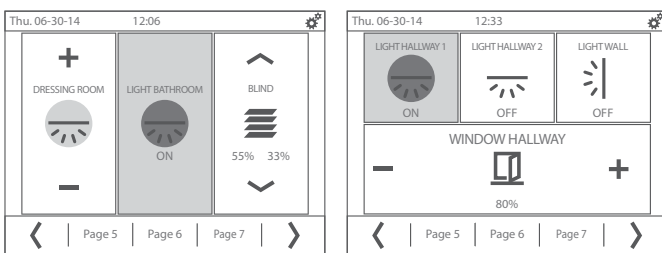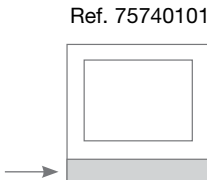
Various layouts with rotary knobs and rocker/button surfaces and value display

Thu. 06-30-14 12:51 ⚙
LIVING ROOM 20.0°C / 50 % LIGHT BATHROOM / 16.0°C   24.0°C
‹ Page 5	Page 6	Page 7 ›
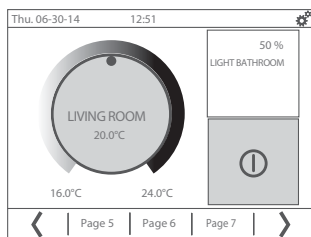
Equipping the KNX Touch Control
with a frame from the Berker design

Berker's high-quality frames are available in all standard colours and materials fitting to S.1, B.x, Q.x, K.x, and R.x design ranges. Looking for inspiration? Check out our suggested combinations below.

Design ranges				
Frame*	**S.1**	**B.3**	**B.7**	**Q.1**
Ref. 75740101				
Frame colours				
White glossy	**13198982**	-	-	-
White matt	-	-	-	**13196082**
Polar white glossy	**13197009**	-	**13197009**	-
Polar white matt	**13191909**	-	-	**13196089**
Black glossy	-	-	-	-
Aluminium anodised	-	**13192284**	**13192284**	-
Anthracite matt	-	-	**13197006**	**13196086**
Aluminium matt lacquered	-	-	**13196424**	**13196084**
Stainless steel brushed	-	-	**13193606**	-
Stainless steel matt finish	-	-	-	-
Glass polar white	-	-	**13196909**	-
Glass black	-	-	**13196616**	-
Glass aluminium	-	-	**13196414**	-

*The references mentioned exclusively concern the design frame, which is visible under the screen.

range

Q.3	K.1	K.5	R.1	R.3
-	-	-	-	-
13196099	-	-	-	-
-	13197009	-	13192189	13197009
13191909	-	-	-	-
-	-	-	13192145	13192245
-	-	13192284	13192184	13192284
13197006	13197006	-	-	-
13196424	-	-	-	-
-	-	-	-	-
-	-	13192204	13192104	13192204
-	-	-	13192109	13196909
-	-	-	13192116	13196616
-	-	-	-	-

Push-button modules

Push-button module 1gang

– RGB LED

– internal temperature sensor

– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption	10 mA
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– push-button functions: switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– value transmitter for temperature values 2 byte
– parameter defineable lock function
– function for manual interruption of automatic functions already triggered
– with programming button and red programming LED
– integrated temperature sensor with output of the measured values via object
– with integrated bus coupling unit
– bus connection via connecting terminal
– with anti-dismantling protection
– with integrated buzzer for acoustic identification of the device within the system

Design	Order no.	PU
Berker S.1/B.3/B.7		
Push-button module 1gang	★ 8014 11 80	1
Berker Q.1/Q.3, K.1/K.5		
Push-button module 1gang	★ 8014 11 70	1
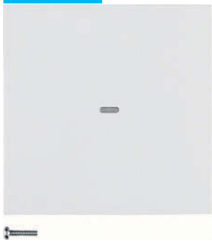
Cover for 1gang push-button module

– clear lens

– with clear lens for RGB status display of the push-button module

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	★ 8096 02 82	1
polar white glossy	★ 8096 02 89	1
polar white, matt, plastic	★ 8096 02 99	1
anthracite, matt	★ 8096 02 85	1
aluminium, matt, lacquered	★ 8096 02 83	1
Berker Q.1/Q.3		
polar white velvety	★ 8096 02 29	1
anthracite velvety, lacquered	★ 8096 02 26	1
aluminium velvety, lacquered	★ 8096 02 21	1
Berker K.1/K.5		
polar white glossy	★ 8096 02 79	1
anthracite, matt	★ 8096 02 75	1
aluminium, matt, lacquered	★ 8096 02 71	1
stainless steel matt, lacquered	★ 8096 02 73	1

Push-button module 2gang

– RGB LED
– internal temperature sensor
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption	10 mA
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– push-button functions: switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– value transmitter for temperature values 2 byte
– parameter defineable lock function
– function for manual interruption of automatic functions already triggered
– with programming button and red programming LED
– integrated temperature sensor with output of the measured values via object
– with integrated bus coupling unit
– bus connection via connecting terminal
– with anti-dismantling protection
  with integrated buzzer for acoustic identification of the device within the system

Design	Order no.	PU
Berker S.1/B.3/B.7		
Push-button module 2gang	★ 8014 21 80	1
Berker Q.1/Q.3, K.1/K.5		
Push-button module 2gang	★ 8014 21 70	1
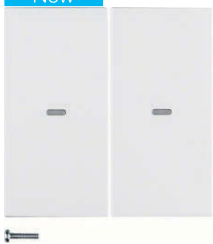
Cover for 2gang push-button module

– clear lenses

– with 2 clear lenses for the RGB status display of the push-button module

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	★ 8096 03 82	1
polar white glossy	★ 8096 03 89	1
polar white, matt, plastic	★ 8096 03 99	1
anthracite, matt	★ 8096 03 85	1
aluminium, matt, lacquered	★ 8096 03 83	1
Berker Q.1/Q.3		
polar white velvety	★ 8096 03 29	1
anthracite velvety, lacquered	★ 8096 03 26	1
aluminium velvety, lacquered	★ 8096 03 21	1

Berker K.1/K.5		
polar white glossy	★ 8096 03 79	1
anthracite, matt	★ 8096 03 75	1
aluminium, matt, lacquered	★ 8096 03 71	1
stainless steel matt, lacquered	★ 8096 03 73	1

:hager

Push-buttons

New

Bus application unit flush-mounted

– external temperature sensor

Operating voltage over bus	21 ... 32 V=
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

– with programming button and red programming LED
– additional connection for external temperature sensor
– with integrated buzzer for acoustic identification of the device within the system
– bus connection via connecting terminal
– with spreader claws

Design	Order no.	PU
Bus application unit flush-mounted	★ **8004 00 01**	1
Bus application unit flush-mounted	★ **8004 00 11**	10

New

Push-button 1gang

– labelling field
– RGB LED
– internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

New

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	★ **8016 17 80**	1
for anthracite and aluminium [1]	★ **8016 17 85**	1
Berker Q.1/Q.3		
polar white [2]	★ **8014 13 29**	1
anthracite [2]	★ **8014 13 26**	1
aluminium [2]	★ **8014 13 21**	1
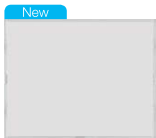
Design	Order no.	PU
Berker K.1/K.5		
polar white [3]	★ 8016 17 70	1
anthracite [3]	★ 8016 17 76	1
aluminium [3]	★ 8016 17 74	1
stainless steel [3]	★ 8016 17 73	1

[1] Labelling field length (W x H): 52.3 x 52.3 mm
[2] Dimensions (W x H): 56.4 x 56.4 mm
[3] Labelling field length (W x H): 66.8 x 52.8 mm
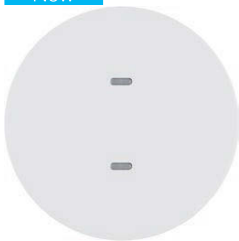
Push-button 1gang

– RGB LED
– internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	★ 8016 18 69	1
black glossy	★ 8016 18 65	1

New

Push-button 2gang

– labelling fields
– RGB LED
– internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

– with 2 status LEDs per rocker
– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

New

New

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	★ 8016 27 80	1
for anthracite and aluminium [1]	★ 8016 27 85	1
Berker Q.1/Q.3		
polar white [2]	★ 8014 23 29	1
anthracite [2]	★ 8014 23 26	1
aluminium [2]	★ 8014 23 21	1
Berker K.1/K.5		
polar white [3]	★ 8016 27 70	1
anthracite [3]	★ 8016 27 76	1
aluminium [3]	★ 8016 27 74	1
stainless steel [3]	★ 8016 27 73	1

[1] Labelling field length (W x H): 52.3 x 24.9 mm
[2] Dimensions (W x H): 56.4 x 26.8 mm
[3] Labelling field length (W x H): 66.8 x 25 mm

New

Push-button 2gang

– RGB LED
– internal temperature sensor

| Power consumption, KNX | ≈ 150 mW |
| Operating temperature | - 5 ... + 45 °C |
| Current consumption | 20 mA |

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	⋆ 8016 28 69	1
black glossy	⋆ 8016 28 65	1

New

Push-button 3gang

– labelling fields
– RGB LED
– horizontal operation

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

– with 2 status LEDs per rocker
– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	★ 8016 37 80	1
for anthracite and aluminium [1]	★ 8016 37 85	1
Berker Q.1/Q.3		
polar white [2]	★ 8014 33 29	1
anthracite [2]	★ 8014 33 26	1
aluminium [2]	★ 8014 33 21	1
Berker K.1/K.5		
polar white [3]	★ 8016 37 70	1
anthracite [3]	★ 8016 37 76	1
aluminium [3]	★ 8016 37 74	1
stainless steel [3]	★ 8016 37 73	1

New

New

[1] Labelling field length (W x H): 52.3 x 15.6 mm
[2] Dimensions (W x H): 56.4 x 17 mm
[3] Labelling field length (W x H): 66.8 x 15.7 mm

New

Push-button 4gang

– labelling fields
– RGB LED
– internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)
In the design line S.1/B.x and K.x only use in conjunction with a frame with large cut-out

– with 2 status LEDs per rocker
– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and "roller shutter/blind function" predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	⭑ 8016 47 80	1
for anthracite and aluminium [1]	⭑ 8016 47 85	1
Berker Q.1/Q.3		
polar white [2]	⭑ 8014 43 29	1
anthracite [2]	⭑ 8014 43 26	1
aluminium [2]	⭑ 8014 43 21	1
Berker K.1/K.5		
polar white [3]	⭑ 8016 47 70	1
anthracite [3]	⭑ 8016 47 76	1
aluminium [3]	⭑ 8016 47 74	1
stainless steel [3]	⭑ 8016 47 73	1

New

New

[1] Labelling field length (W x H): 52.3 x 24.9 mm
[2] Dimensions (W x H): 56.4 x 12 mm
[3] Labelling field length (W x H): 66.8 x 25 mm

:hager

KNX thermostat

New

KNX thermostat

– display
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Energy efficiency class	IV (2%)
TFT screen size	1.93"
Operating temperature	- 5 ... + 45 °C
Dimensions of display (W x H)	38.3 x 30.3 mm
Insertion depth	32 mm

– for individual single room temperature control
– control parameter for heating/cooling unit pre-set
– operating mode heating, cooling or heating/cooling can be selected
– comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
– switching PI-control (PWM) or switching 2-point control can be selected
– heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected
– cooling type cooling ceiling, convector fan or split unit can be selected
– switching of up to 64 scenes possible
– with keylock
– with holiday switching
– with frost protection function
– additional connection for external temperature sensor
– temperature measurement via internal, external temperature sensor or via object and their mean value formation
– temperature adjustable for comfort, standby and night-time reduction
– operation via sensitive Touch control surface
– to display and initiate actions
– display of operating mode, controller lockout, room/outside temperature, time
– screensavers
– TFT colour display with symbol display
– time and date display
– menu guidance in DE/EN/FR/NL/IT/ES/PT/PL/DK/SV/FI/NO/TR
– with integrated bus coupling unit
– bus connection via connecting terminal
– with spreader claws

Design	Order no.	PU
KNX thermostat	★ 8044 01 00	1

New

KNX room controller

– display
– integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Energy efficiency class	IV (2%)
TFT screen size	1.93"
Operating temperature	- 5 ... + 45 °C
Dimensions of display (W x H)	38.3 x 30.3 mm
Insertion depth	32 mm

– for individual single room temperature control
– control parameter for heating/cooling unit pre-set
– operating mode heating, cooling or heating/cooling can be selected
– comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
– switching PI-control (PWM) or switching 2-point control can be selected
– heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected
– cooling type cooling ceiling, convector fan or split unit can be selected
– push-button functions: switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– switching of up to 64 scenes possible
– with keylock
– with holiday switching
– with frost protection function
– function for manual interruption of automatic functions already triggered
– additional connection for external temperature sensor
– temperature measurement via internal, external temperature sensor or via object and their mean value formation
– temperature adjustable for comfort, standby and night-time reduction
– operation via sensitivouch control surface
– to display and initiate actions
– display of operating mode, controller lockout, room/outside temperature, time
– screensavers
– TFT colour display with symbol display
– time and date display
– menu guidance in DE/EN/FR/NL/IT/ES/PT/PL/DK/SV/FI/NO/TR
– with integrated bus coupling unit
– bus connection via connecting terminal
– with spreader claws

Design	Order no.	PU
KNX room controller	★ 8066 01 00	1

New

Cover for KNX thermostats and room controllers

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	★ 8096 01 82	1
polar white glossy	★ 8096 01 89	1
polar white, matt, plastic	★ 8096 01 80	1
anthracite, matt	★ 8096 01 85	1
aluminium matt, lacquered	★ 8096 01 83	1
Berker Q.1/Q.3		
polar white velvety	★ 8096 01 29	1
anthracite velvety, lacquered	★ 8096 01 26	1

New

:hager

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	★ **8096 01 79**	1
anthracite, matt	★ **8096 01 75**	1
aluminium, matt, lacquered	★ **8096 01 71**	1
stainless steel matt, lacquered	★ **8096 01 73**	1

KNX Touch Control

KNX Touch Control

– display
– integrated bus coupling unit

Operating voltage via bus	21/32 V DC
Auxiliary voltage	12/40 V DC
TFT screen size	3.5"
Display resolution	320 x 240 px
Power consumption, KNX	˜ 1 mW
Operating temperature	0/50 °C
Assembly height	25,5 mm
Dimensions (W x H x D)	95/75/44 mm

- up to 10 pages for operating elements and display selection from 37 predefined layouts
- capacitive 3.5" touch display, resolution of 320 x 240 pixels
- integrated proximity sensor for quick activation of the display from standby mode and for triggering functions via a corresponding communication object
- integrated brightness sensor for automatic adjustment of the display lighting
- integrated scene control (16 scenes), timer, alarm clock
- 5 automatic channels for regulation and control (e.g. room temperature control via the KNX temperature sensor of the new push-button sensors)
- 4 AND as well as 4 OR logic gates with 4 inputs each (communication objects)
- 4 inputs for binary contact or temperature sensor
- microSD card slot e.g. as memory for image data for screen saver
- icons for display can be replaced (icon library, microSD card)

Design	Order no.	PU
KNX Touch Control	★ **75740101**	1
Angular design frame		
polar white matt	★ **13191909**	1
stainless steel matt finish	★ **13192204**	1
black, glossy	★ **13192245**	1
aluminium, anodised	★ **13192284**	1
stainless steel brushed	★ **13193606**	1
white matt	★ **13196099**	1
glass, aluminium	★ **13196414**	1
aluminium matt, lacquered	★ **13196424**	1
glass, black	★ **13196616**	1
glass, polar white	★ **13196909**	1
anthracite, matt	★ **13197006**	1
polar white, glossy	★ **13197009**	1
white, glossy	★ **13198982**	1
Round design frame		
stainless steel matt finish	★ **13192104**	1
glass, polar white	★ **13192109**	1
glass, black	★ **13192116**	1
black, glossy	★ **13192145**	1
aluminium, anodised	★ **13192184**	1
polar white, glossy	★ **13192189**	1
white matt	★ **13196082**	1
aluminium matt, lacquered	★ **13196084**	1
anthracite matt	★ **13196086**	1
polar white matt	★ **13196089**	1

B.

Berker by :hager