

Berker TS Sensor

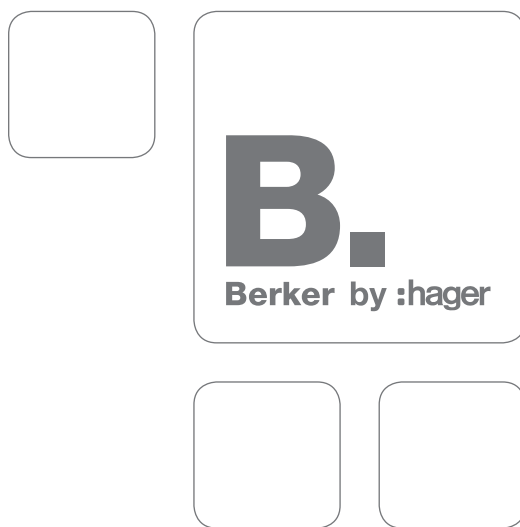
Understatement is an art, and the Berker TS Sensor makes it perfect. Up to eight functions are concealed under a pure surface that is practically flush with the wall, and can be custom-labelled on request. A single touch is all it takes to control lights, heating or blinds. In this way, the Berker TS Sensor can offer an exciting variety of possibilities – and, at the same time, still seems as calm as possible.

- Suitable for installation bus systems and relay circuits
- Having the electronics directly on the rear side of the glass plate creates enormous switching safety
- Particularly flat construction method permits flush mounting
- Readiness and switching states can be display using LEDs
- Completely smooth surface thanks to screw-free fastening
- Labelling on rear side meaning perfect protection



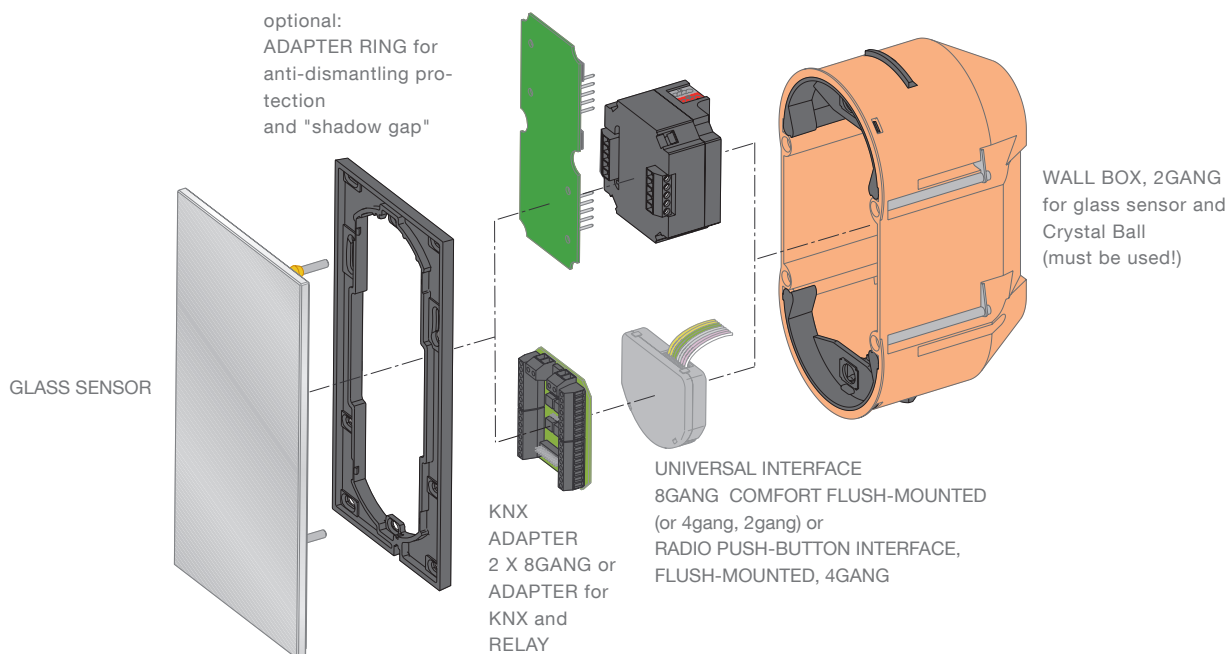
Glass sensors 35

Supplementary products 39



Mounting

Glass sensors are snapped in place on a "wall box, 2gang, for glass sensor and Crystal Ball" using adjustable retaining pins in such a way that the glass sensors are seated almost on the wall. The supplied adapter ring provides anti-dismantling protection and gives the glass plate shadow contours. The adjustable retaining pins can be used to compensate for deviating installation depths or irregularities of the wall of up to 20 mm.



Connection

The glass sensor is connected to the interfaces of the respective systems via an adapter using a ribbon cable (see information for ordering and use). The separate power supply must be connected to the respective adapter.



Connection

The glass sensor with room thermostat is connected directly to the KNX and separate power supply using the connecting terminals located on the backside.

Removal

To pull glass sensors out of the clamp springs of the wall box, use the supplied dismantling aid with suction cups.

Glass sensors

Glass sensors comfort

- With integral bus coupling unit
- Operation by gently touching the sensor surfaces on the white LEDs
- For switch, push-button, dimmer and shutter functions
- Single and two push-button operation parameterisable
- Retrieval, setting and storing of 8 light scenes
- One push-button operation for switching, buttons, blinds and dimming
- Extension unit for light scene push-button
- Integrated temperature sensor
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- Additional connection for external temperature sensor
- Usable as thermostat extension unit
- Provision of the internal temperature value via communication object
- Blocking function for sensor surface e.g. for cleaning the glass surface
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte
- Bus connection via connecting terminal
- For vertical mounting
- For mounting, always use the flat 2gang wall box, order no. 1871
- With adapter ring for dismantling protection, shadow jointing and special installation conditions
- With disassembly suction tool
- For individually labelled glass and touch sensors (configured variations), the Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at <http://ts-glas-sensor.berker.de>

Glass sensor 1gang comfort

- integrated bus coupling unit



Operating voltage 21 ... 32 V=
 Current consumption 12.5 mA
 Operating temperature -5 ... +45 °C
 Dimensions (W x H x D) 86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 2 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same "style" for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	39
optional		
Temperature sensor	161	116

Design Order no. PU

Berker TS Sensor

glass polar white	7514 18 30	1
glass black	7514 18 35	1
glass aluminium	7514 10 34	1
Berker TS Sensor - configured		
glass polar white	7514 19 30	1
glass black	7514 19 35	1
glass aluminium	7514 11 34	1

Glass sensor 2gang comfort

- integrated bus coupling unit



Operating voltage 21 ... 32 V=
 Current consumption 12.5 mA
 Operating temperature -5 ... +45 °C
 Dimensions (W x H x D) 86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 4 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same "style" for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	39
optional		
Temperature sensor	161	116

Design Order no. PU

Berker TS Sensor

glass polar white	7514 28 30	1
glass black	7514 28 35	1
glass aluminium	7514 20 34	1

Berker TS Sensor - configured

glass polar white	7514 29 30	1
glass black	7514 29 35	1
glass aluminium	7514 21 34	1



Glass sensor 3gang comfort

- integrated bus coupling unit



Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 6 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same "style" for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	39
optional		
Temperature sensor	161	116

Design Order no. PU

Berker TS Sensor

glass polar white	7514 38 30	1
glass black	7514 38 35	1
glass aluminium	7514 30 34	1

Berker TS Sensor - configured

glass polar white	7514 39 30	1
glass black	7514 39 35	1
glass aluminium	7514 31 34	1



Glass sensor 4gang comfort

- integrated bus coupling unit



Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 8 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same "style" for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	39
optional		
Temperature sensor	161	116

Design Order no. PU

Berker TS Sensor

glass polar white	7514 48 30	1
glass black	7514 48 35	1
glass aluminium	7514 40 34	1

Berker TS Sensor - configured

glass polar white	7514 49 30	1
glass black	7514 49 35	1
glass aluminium	7514 41 34	1

Glass sensors with thermostat

- With integral bus coupling unit
- Operation by gently touching the sensor surfaces on the white LEDs
- For switch, push-button, dimmer, blind and thermostat functions
- Single and two push-button operation parameterisable
- Retrieval, setting and storing of 8 light scenes
- One push-button operation for switching, buttons, blinds and dimming
- Extension unit for light scene push-button
- For heating and/or cooling mode with/without auxiliary step
- Controller operating modes: comfort, standby, night and frost/heat protection mode
- LED display with symbol display
- With 2 additional sensor surfaces for display control
- Display of operating mode, controller lockout, room and outside temperature as well as time in connection with a clock
- Integrated temperature sensor
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- Additional connection for external temperature sensor
- Usable as thermostat extension unit
- Temperature control via local measurement or measured value via object
- Blocking function for sensor surface e.g. for cleaning the glass surface
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte
- Separate auxiliary power supply needed
- Operation with non-choked output of KNX voltage supply possible (pay attention to current consumption)
- Bus connection via connecting terminal
- For vertical mounting
- For mounting, always use the flat 2gang wall box, order no. 1871
- With adapter ring for dismantling protection and shadow gap formation
- With disassembly suction tool
- For individually labelled glass and touch sensors (configured variations), the Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at <http://ts-glas-sensor.berker.de>



Glass sensor 2gang with thermostat

- integrated bus coupling unit

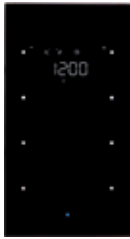


Operating voltage 21 ... 32 V=
Current consumption 23 mA
Operating temperature -5 ... +45 °C
Dimensions (W x H x D) 86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 4 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same "style" for additional applications, see the Design line B.7

	Suitable for	Order no.	Page
	Power supply 24 V DC RMD	TGA200	101
	Wall box 2gang flat	1871	39
	optional		
	Temperature sensor	161	116
Design	Order no.		PU
Berker TS Sensor			
glass polar white	7564 20 30		1
glass black	7564 20 35		1
glass aluminium	7564 20 34		1
Berker TS Sensor - configured			
glass polar white	7564 21 30		1
glass black	7564 21 35		1
glass aluminium	7564 21 34		1



Glass sensor 3gang with thermostat

- integrated bus coupling unit



Operating voltage	21 ... 32 V=
Current consumption	23 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 6 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same "style" for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	39
Power supply 24 V DC RMD	TGA200	101
optional		
Temperature sensor	161	116

Design

Order no.

PU

Berker TS Sensor

glass polar white	7564 30 30	1
glass black	7564 30 35	1
glass aluminium	7564 30 34	1
Berker TS Sensor - configured		
glass polar white	7564 31 30	1
glass black	7564 31 35	1
glass aluminium	7564 31 34	1

Glass sensors

- Operation by gently touching the sensor surfaces on the white LEDs
- The blue LED can be set for Continuously ON or external activation
- The white LED can be set for Sensor operation or external activation
- Separate auxiliary power supply needed
- For vertical mounting
- With adapter ring for dismantling protection, shadow jointing and special installation conditions
- With disassembly suction tool
- For individually labelled glass and touch sensors (configured variations), the Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at <http://ts-glas-sensor.berker.de>



Glass sensor 1gang

Operating voltage	8 ... 30 V=
LED input voltage	max. 5 V=
Switching voltage	max. 30 V
LED input current	max. 1 mA
Max. switching current	10 mA
Surface adjustment	20 mm
Dimensions (W x H x D)	86 x 160 x 5.7 mm

- flush wall mounting possible with wall box, 2gang, order no. 1870
- Relay applications:
- wiring with adapter for KNX and relay

Suitable for	Order no.	Page
Power supply 24 V DC RMD	TGA200	101
Adapter for KNX and relay	7590 00 32	39
Wall box 2gang	1870	39

Design

Order no.

PU

Berker TS Sensor

glass polar white	1681 00	1
glass black	1681 05	1
glass aluminium	1681 07	1



Glass sensor 2gang

Operating voltage	8 ... 30 V=
LED input voltage	max. 5 V=
Switching voltage	max. 30 V
LED input current	max. 1 mA
Max. switching current	10 mA
Current consumption (operation)	≈ 26 mA
Surface adjustment	20 mm
Dimensions (W x H x D)	86 x 160 x 5.7 mm

- flush wall mounting possible with wall box, 2gang, order no. 1870
- Relay applications:
- wiring with adapter for KNX and relay

Suitable for	Order no.	Page
Power supply 24 V DC RMD	TGA200	101
Adapter for KNX and relay	7590 00 32	39
Wall box 2gang	1870	39

Design

Order no.

PU

Berker TS Sensor

glass polar white	1682 00	1
glass black	1682 05	1
glass aluminium	1682 07	1



Glass sensor 3gang

Operating voltage	8 ... 30 V=	- flush wall mounting possible with wall box, 2gang, or order no. 1870
LED input voltage	max. 5 V=	- Relay applications:
Switching voltage	max. 30 V	- wiring with adapter for KNX and relay
LED input current	max. 1 mA	
Max. switching current	10 mA	
Current consumption (operation)	≈ 32 mA	
Surface adjustment	20 mm	
Dimensions (W x H x D)	86 x 160 x 5.7 mm	

Suitable for	Order no.	Page
Power supply 24 V DC RMD	TGA200	101
Adapter for KNX and relay	7590 00 32	39
Wall box 2gang	1870	39
Wall box 2gang flat	1871	39

Design Order no. PU

Berker TS Sensor

glass polar white	1683 00	1
glass black	1683 05	1
glass aluminium	1683 07	1



Glass sensor 4gang

Operating voltage	8 ... 30 V=	- flush wall mounting possible with wall box, 2gang, or order no. 1870
LED input voltage	max. 5 V=	- Relay applications:
Switching voltage	max. 30 V	- wiring with adapter for KNX and relay
LED input current	max. 1 mA	
Max. switching current	10 mA	
Current consumption (operation)	≈ 38 mA	
Surface adjustment	20 mm	
Dimensions (W x H x D)	86 x 160 x 5.7 mm	

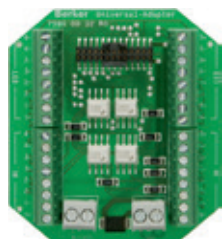
Suitable for	Order no.	Page
Power supply 24 V DC RMD	TGA200	101
Adapter for KNX and relay	7590 00 32	39
Wall box 2gang	1870	39
Wall box 2gang flat	1871	39

Design Order no. PU

Berker TS Sensor

glass polar white	1684 00	1
glass black	1684 05	1
glass aluminium	1684 07	1

Supplementary products



Adapter for KNX and relay

- for wiring with universal interfaces, radio push-button interfaces or relay

Suitable for	Order no.	Page
Glass sensors		30

Design Order no. PU

Adapter for KNX and relay	7590 00 32	1
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Wall boxes



Wall box 2gang flat

Dimensions (W x H x D)	68 x 139 x 47.5 mm	- flush wall-mounting or with adapter ring
Cut hole pitch	71 mm	- for flush mounting and hollow-wall mounting
Cut hole Ø	2 x 68 mm	

Suitable for	Order no.	Page
Glass sensors comfort		35
Glass sensors with thermostat		37

Design Order no. PU

Wall box 2gang flat	1871	1
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Wall box 2gang

Dimensions (W x H x D)	68 x 139 x 75 mm	- flush wall-mounting or with adapter ring
Cut hole pitch	71 mm	- for flush mounting and hollow-wall mounting
Cut hole Ø	2 x 68 mm	

Suitable for	Order no.	Page
Glass sensors		38

Design Order no. PU

Wall box 2gang	1870	1
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