

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Model No. 200-02

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Caution: The device could become damaged. Never connect the device to 230V!

Caution: The device may only be installed and connected by professional electricians. Observe the regulations valid in the country of use, as well as valid KNX guidelines.

The Sentido switch for KNX is a four way touch sensor.

The Sentido switch has to be used in combination with the Sentido front covers, either four-way or two-way.

By touching each of the four touch sensitive area's you can use KNX to execute a range of functions including switching, dimming, operating blinds, activating scenes, etc.

Touching a touch sensitive area will give a visual feedback by means of lighting up the central RGB led.

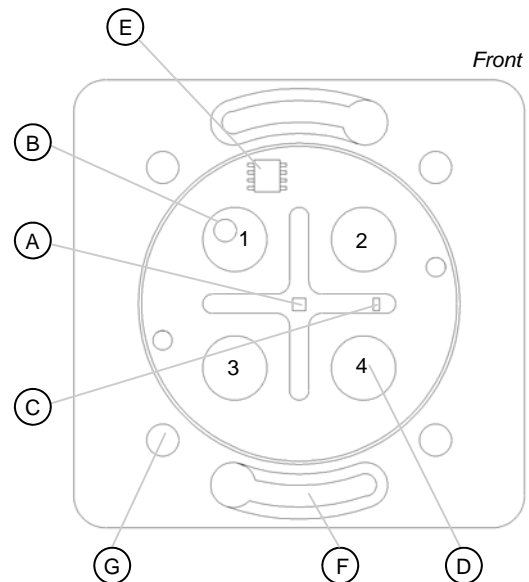
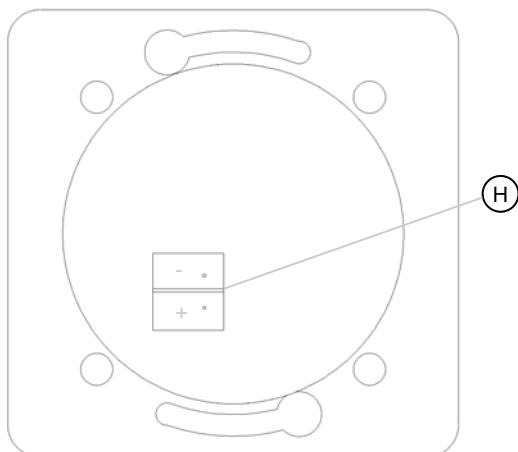
The central RGB led can also be controlled by KNX to provide a visual feedback of statuses. The led can also be used to illuminate the switch in the dark.

The Sentido switch uses the patented Multitouch technology. Touching more than one touch sensitive area at the same time activates an additional comfort function wich also can be used by KNX.

Identifying the parts

- A RGB-led
- B Programming button
- C Programming led
- D Touchsensor (with according no. to be programmed in ETS)
- E Temperature sensor
- F Opening to screw the device into the backbox
- G Guide for the Sentido front cover
- H KNX connector

Rear




basalte is a registered trademark of Basalte bvba.
Multitouch is a patented technology by Basalte bvba.
Sentido is a registered design of Basalte bvba.
KNX is a registered trademark of the KNX organisation.


basalte

SWITCH TO EVERYTHING


How to mount the Sentido switch

Use a standard European backbox with screws to mount the Sentido switch. The screw distance needs to be 60mm. The depth required for the Sentido switch KNX is 24mm. Additional depth should be reserved for connecting the device.

 **Caution:** when fixing the screws, do not apply too much force since this will deform the plastic surrounding the opening. Doing so might disable the Sentido front cover to be mounted onto the Sentido switch!

 **Caution:** using screws that are too big might disable mounting the Sentido front cover onto the Sentido switch. The Sentido front cover should be completely hiding the Sentido switch when mounted. If not the connection to the Sentido front cover might not work properly, this will result in a reduced sensitivity of the switch!

 **Caution:** the device could become damaged. Never connect the device to 230V or mains!

 **Caution:** the device could become damaged. If there are any 230V or mains cables in the vicinity, make sure to maintain the distances to them specified in the applicable standards and regulations. Never install the device in a flush-mounted box together with 230V or mains cables.

How to put the Sentido switch into operation

Connect the bus line according to the KNX standard.

The required voltage to operate comes from the KNX bus.

Load the physical address into the Sentido switch from ETS via the KNX bus.

Complete the required configuration settings for the Sentido switch in ETS, and transfer the configuration by the KNX bus into the Sentido switch. Depending on the Sentido front cover all four or only two touch sensors will be used.

 **Caution:** When using the **dual** Sentido front cover, **program sensor 2 and 3 as 'off'**. Only sensor 1 and 4 will be used.

Use the ETS database file you can find on our website www.basalte.be.

Calibration

In order to function properly, the sensors of the Sentido switch need to calibrate to the environment.


This calibration occurs at startup.

While calibration procedure is active the RGB led will light up blue and slowly fade up and down.

When the calibration is done, the RGB led will blink green. After this, the switch is ready to be used.

Calibration will be forced when the sensors detect for more than 20 seconds.

This will for instance occur when the front cover is being installed when the device is powered.

 **Caution:** not mounting the Sentido front cover correctly may result in a poor sensitivity of the touch sensors. Please be aware to always push the front cover onto the Sentido switch as far as possible.

Operating the Sentido switch

Touching a single surface of the Sentido switch will make the RGB led turn white as long as you keep touching the surface.

Touching more than one surface at the same time will activate the multitouch function and turn the RGB led orange as a visual feedback (if the multitouch function is enabled).

These colours can not be changed.

All four switches as also the multitouch function can be disabled in ETS. All switches can be used for various functions like switching, dimming, shutter control and scene recall and save.

When no surface is touched the RGB led can be controlled by KNX enabling the use of the RGB led for displaying status information or the use of the RGB led to illuminate the device in the dark.

The entire surface of the Sentido front cover will become touch sensitive, enabling you to touch the Sentido anywhere you want.

Technical data

Initialisation: after a bus voltage failure or a bus reset, the Sentido switch will not be ready for operation for at least 5 seconds.

Current from the KNX bus: 10mA

Inputs: 4 capacitive touch sensors

Outputs: 1 RGB led

Ambient temperature:

Operation: -5°C to 45°C

Storage: -15°C to 55°C

Transport: -15°C to 55°C

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Max. humidity: 93% relative humidity, no moisture condensation

Environment: the device is designed for use at up to 2000m above sea level (MSL).

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Protection class: II

Type of protection: IP 20

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