

SENTIDO RS485

Installation Manual

basalte

Safety instructions

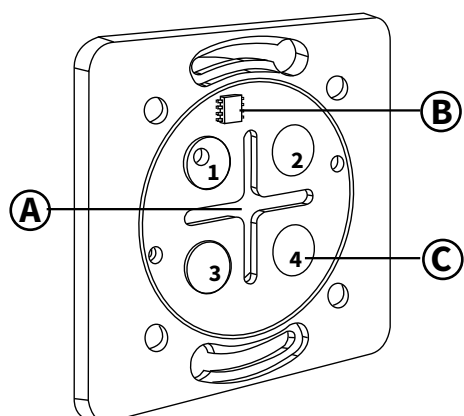
Before operating the unit, please read this manual thoroughly and retain it for future reference. Failure to observe these instructions might damage the device. The device may only be installed and connected by professional electricians. All relevant rules and regulations valid in the country of use, as well as RS485 guidelines, apply.

Description

Sentido RS485 is a touch-sensitive switch compatible with the Basalte Serial.link. The Sentido RS485 can be combined with all Sentido and Enzo cover plates, either two-way or four-way. The separate touch-sensitive surfaces of Sentido each control various functions, using both short and long press. By touching more than one surface at the same time, additional comfort functions can be activated including room toggle, scene sequencer and RGB sequencer. The multicolour LED backlight provides status feedback and can be used as nightlight. The Sentido also has a built-in temperature sensor.

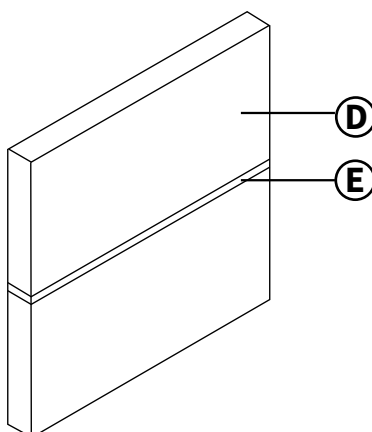
Components

Sentido RS485 front
Model No. 0200-01

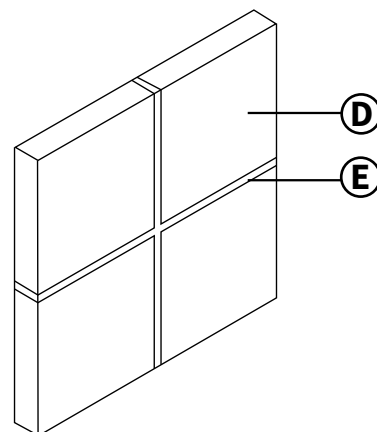


- A RGB LED
- B Temperature sensor
- C Touch sensor (1-4)

Sentido front cover 2 way
Model No. 201-xx
(not included)



Sentido front cover 4 way
Model No. 202-xx
(not included)

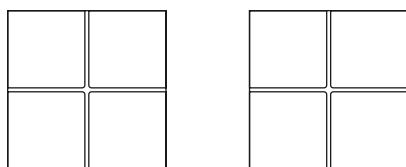


- D Touch-sensitive surface
- E Transparent window

Important advice



- Never connect the device to 110 V / 230 V.
- Avoid obstacles which might obstruct the proper mounting of the cover to the switch, such as round headed screws, plastering or textured wall paint.
- Installing a Sentido on a metal wall or a mirror surface might cause the device not to function properly.
- The minimum gap between 2 Sentido or Deseo must be at least 4 cm (1.6in).
- Do not install any device nearby that might cause interference such as fluorescent lights or RF devices.



minimum gap = 4 cm (1.6")

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Installation and commissioning

- Use a standard European backbox with screws. The distance between the screws needs to be 60mm. The depth required is 24mm, however additional depth should be reserved for connecting the device.
- Mount Sentido with the temperature sensor upwards.
- Use screws with a countersunk, flat head and do not apply too much force as this might deform the plastic housing.
- Connect the 4 colored strands to the RS485 bus cable in accordance to standard RS485 guidelines.
- (Red = 24, White = Y, Blue = Z, Black = G) A maximum of 32 devices can be connected on one bus cable.
- Configure the hexadecimal address of the Sentido RS485 using the Serial.link configuration tool.
- Caution: Address 00 cannot be used, so only addresses from 01 to FF are valid.
- When using the dual Sentido front cover, disable sensor 2 and 3. Only sensor 1 and 4 will be used.
- After a bus voltage failure or bus reset, Sentido will not be ready for operation for at least 5 seconds.

Note

Please refer to the appropriate application notes to configure the Sentido RS485 keypad on Lutron or Crestron.

How to mount the Sentido front cover (not included)

Only install the Sentido front cover while the switch is not powered.

Push the Sentido front cover firmly onto the Sentido switch. The front cover is fixed to the switch by the clipping system.

Make sure the cover is mounted using all 4 clips.

Power the device once the front cover is mounted. Calibration will be initiated.

Calibration

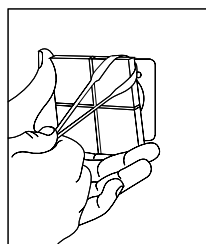
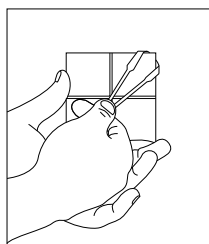
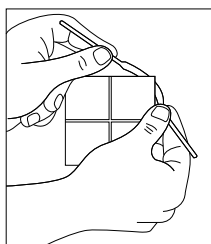
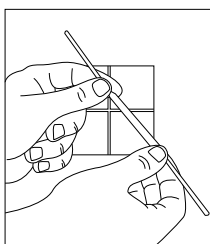
In order to function properly, the sensors of the Sentido RS485 need to calibrate to the environment. This calibration starts when bus power is applied, when a cover is installed or can be forced when the sensors detect a touch for more than 20 seconds.

During calibration, the RGB led will light up blue and slowly fade up and down. Make sure not to touch the cover when the calibration process is ongoing! At the end of calibration, the RGB led will blink green. The switch is now ready to be used.

How to remove the Sentido front cover



We provide the 'tube' tool to easily remove the Sentido front cover.
Do not use a screwdriver or other tools, as these might damage the cover.



Technical data

Current consumption: 0.5 W

Ambient temperature:

Operation: -5°C to 45°C

Storage: -15°C to 55°C

Transport: -15°C to 55°C

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

Protection class: II

Type of protection: IP 20

Certification: CE