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digitalSTROM IC BW-HS 300



**Motion and brightness
Sensor with integrated
digitalSTROM technology**

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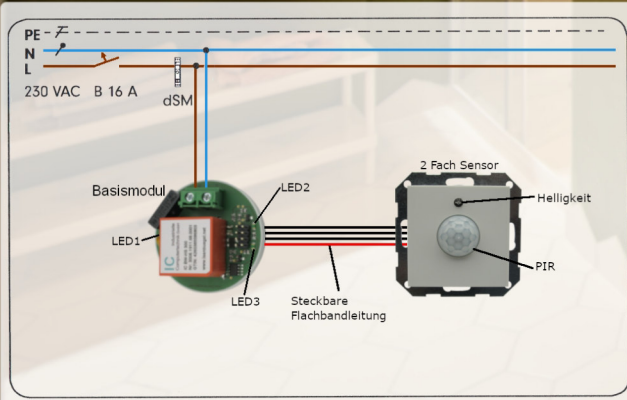
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Brief description:

The "IC BW-HS 300" is an IC smart home product with two functions and the latest 300 dS technology. The double sensor is a PIR motion detector with integrated brightness detection. Two sensors record this separately and make it available to the digitalSTROM system, each with its own DSiD.

This means that customer requirements can be individually coordinated in a variety of functions. Only L and N have to be connected and the dSready product can be used immediately without parameterization. The sensors are integrated in a 55 cover and this is installed without tools (plug connection) with the base module in a standard flush-mounted box. Both sensors are galvanically separated from the mains.

The sensitivity of the room brightness detection is set using a potentiometer (20-6500 LUX) on the back of the upper part of the sensor.

All other time and linking functions are carried out via software in the dS configurator. In addition to motion detection, the lighting conditions can also be included in the functions and thus contribute to more comfort and safety in the rooms.

The sensors are installed in a standard 55 cover made by Gira white. Other colors can also be supplied on request.

A dSM12 is required for the use of digitalSTROM products of the 300 technology.



Base module

The detection range of the motion sensor is around 180 degrees. The range is about 4-7 meters and about 4 meters when people are seated.

The use of the latest semiconductor technology guarantees a noiseless switching process (no click-clack).

The dS signal status is visible on the base module via an LED 1. For more LED displays, see below under operating modes.

Operating modes: (BW) motion sensor

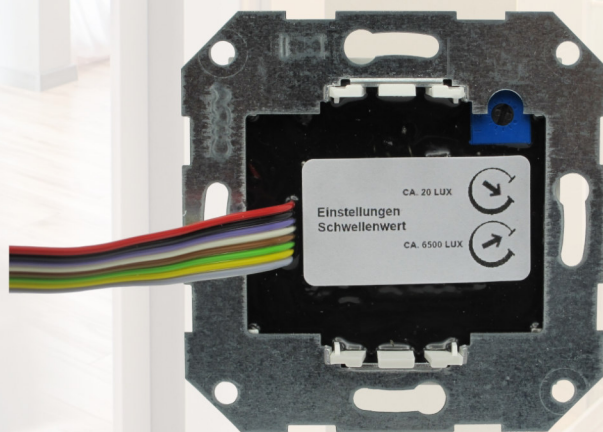
When triggered, LED 2 goes out as a start-up notice on the base module and the detection is reported to the DS system.

Operating modes: (HS) brightness sensor

When the light value \geq set with the potentiometer is detected, LED 3 lights up on the base module to indicate commissioning. Example value: Street lighting is switched on at approx. 50 lux.

The operating modes can be changed using the digitalSTROM Server installation software.

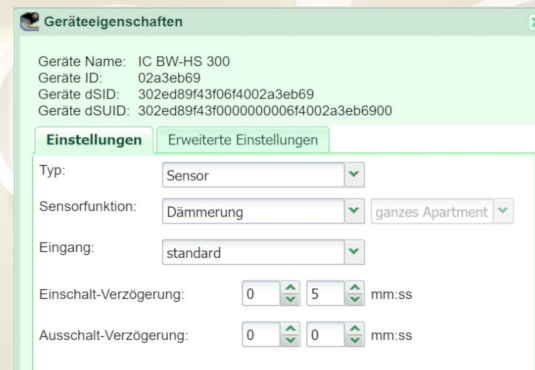
It is possible to send a push-up message or an e-mail from the dS server when a motion alarm or twilight detection is triggered.



Upper part of the sensor on the back with potentiometer / brightness detection

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Default values of the sensors:



Technical specifications:

Rated input voltage/frequency 230 V AC/50 Hz
Power consumption..... approx. 0.25 W
Technical data inputs..... galvanically separated
Voltage of input lines..... approx. 10 V DC
Motion detection.....Approx. 180 degrees, 4-7 meters
Light detection..... approx. 20 - 6500 lux
installation dimensions basic module..... Ø 50 x 26 mm
Frame dimensions of the upper part..... 55 x 55 mm
Degree of protection (dry rooms) IP20 EN 60529
Permissible ambient temp. (operation).... -5 °C / +40 °C

Permissible ambient humidity (operation)
< 80% RH non-condensing

Data transmission via 230 V AC network
digitalSTROM protocol V1.00

RoHS

