ABUS Z-Wave Multisensor

The ABUS Z-Wave multisensor can be used as a classic motion detector in your smart home. As the name suggests, the multisensor offers much more. In addition to movement, temperature, humidity and light intensity are also measured. With this variety of values in one component, you can combine security with building automation at the same time and, for example, control the heating behavior depending on temperature and humidity or adjust the luminosity of your lamps to the ambient light. The transmission intervals can be adjusted individually and the detector can be powered either by a battery or by a USB cable (Micro-USB to USB, not included).

Technologies

- 4 sensors in one device: motion sensor, thermometer, hygrometer and light sensor
- Detects movements by infrared within a radius of 110° and at a distance of 5 m
- Extensive configuration options, e.g. transmission interval and sensitivity of the motion detector
- cable-free installation thanks to battery operation, (alternatively also mains operation via USB)
- Visual notification via red LED when starting up and functioning
- Battery life of up to 2 years

Technical data - ABUS Z-Wave Multisensor

Air humidity measuring accuracy	5 %
Air humidity measuring range	0 - 100 %
Air humidity resolution	1 %
Area of application	Inside
Battery - battery operation	Yes
Battery - max. battery life	2 y
Battery - quantity	1
Battery - type	AA (1,5V)
Colour	White
Compatible with Secvest	No
Compatible with Smartvest	No
DC voltage supply	5 V
Dimensions	(Ø x L) 51 x 68 mm

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Display	LED
Gross weight	0,15 kg
Housing material	Plastic
Light sensor measuring accuracy	1 lx
Light sensor measuring range	0 - 65528 lx
Max. humidity	95 %
Max. operating temperature	40 °C
Min. humidity	10 %
Min. operating temperature	0 °C
Net weight	0,068 kg
PIR range	5 m
PIR viewing angle	110 °
PSTI conformity given	No
PSTI conformity required	Yes
Pet-proof	No
Plug type	Micro-USB
Power consumption	38 mA
Radio frequency	868,42 MHz
Radio modulation	Z-Wave Plus (S2) / FSK (BFSK / GFSK)
Sensor type	PIR
Standby power consumption	0,015 mA
Tamper protection	No
Temperature measurement accuracy	1 °C
Temperature measuring range	0 - 50 °C
Temperature resolution	0,1 °C
Transmission power	4,5 dBm
Type of detection	PIR: Heat detection
Wireless range	(Depending on installation) 20 - 100 m