RAYBASED

S-Puck™

Wireless sensor unit

The S-puck is the system's wireless room sensor. The sensor can read the temperature, humidity, motion, sound, brightness and color, and communicates wirelessly with the R-puck. The S-puck is powered by a long-life battery, and is therefore easy to mount.

Battery life is approximately 10 years depending on usage. Additionally the unit can be powered from an external 5 – 30V AC or DC source. The sensor is fully programmable.

Features

- Movement sensor
- Temperature sensor
- Humidity sensor
- Light level sensor
- RGB colour sensor
- Noise level sensor

Specifications

Standards

- CE Certified. Complies with applicable European standards regarding electrical safety, EMC immunity and emissions.
- Electrical safety protection type (according to IEC 60529): IP20.

Power / Performance

- Powered by two AAA size batteries. 1,5 Life batteries are recommended for maximum life time.
- Battery life time: 2 - 15 years depending on user selected functionality.
- External power: 5 - 30 V, AC or DC at less than 1 mA.

Communication

- Wireless communication according to the Raybased Communication Protocol. Future options may include Bluetooth, WiFi and ZigBee.

Environment

- Climatic withstand according to EN 50491-2
- Ambient operating temperature: -10 to +50 Centigrade.
- Maximum 90% non-condensing relative humidity.

Load

- External sensor input: Accepts closing or breaking contacts. Contacts must be galvanically isolated. Input impedance is selectable 1, 10 or 100 kOhm.

Connections

- External power: Two pole Wago push-in connectors for 0,1 - 0,5 mm^2 wire. Any polarity.
- External sensor input: Two pole Wago push-in connectors for 0,2 - 1,5 mm^2 wire. Any polarity.
- Designations:
  - Power: P1, P2
  - Sensor input: S1, S2 (+)

Dimensions