



# RAYBASED

## MultiSensor

Wireless multisensor unit

The MultiSensor provides usage and climate data to the rest of the system. It is the only sensor necessary to do light-, ventilation-, heating- and cooling control.

The sensor reads occupancy, temperature, humidity and light level.

It is normally powered by battery making it quick and easy to install. Battery life is between 4 and 10 years depending on how it is configured. Additionally the unit can be powered by an external 5-24 V AC or DC supply.



## Features

- Movement sensor
- Temperature sensor
- Humidity sensor
- Light level sensor

# Specifications

## Standards

- Intertek Semko S mark.
- CE certified
- Electrical testing acc to EN 60950-1
- EN 61000
- ETSI EN 301489
- EN 55016
- ETSI EN 300328

## Power / Performance

- 1,5V LiFe batteries, Energizer L91 recommended.
- External power 5 - 24 V AC or DC at 1 mA.

## Communication

- Wireless communication according to the Raybased Communication Protocol.

## Environment

- Climatic withstand according to EN 50491-2
- Ambient operating temperature: -20 to +55 Centigrade.
- Maximum 90% non-condensing relative humidity.
- Protection Rating: IP20

## Load

- External sensor input: Accepts closing or breaking contacts. Contacts must be galvanically isolated. Input impedance is 1 MOhm.

## Connections

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

## Dimensions

