sbc ✛
SAIA BURGESS CONTROLS

MULTI-SENSOR
PCD7.L66D-MC72V

The SBC multi-sensor allows the comfort level of a building to be adapted according to the occupancy status of a room (motion detection), and the light intensity to be adapted through the luminosity sensor. The comfort parameters are controlled with the multi-purpose remote control or the CVC. It has an integrated Bluetooth transmitter/receiver.

Key advantages

▶ sensors/receivers in a single product
▶ open communication protocols: DALI, Bluetooth®
▶ supply of power through the DALI network (no additional power supply required)
▶ several multi-sensors on a single controller

Main functions

In standard configuration

▶ Presence detection
▶ Calibratable photometric sensor
▶ Radio receiver for the PCD7.L65T-RC5x remote control
▶ The smallest multi-technology product on the market
▶ Simplified wiring: connects directly to DALI by 2 wires without polarity
▶ Ready2Services: supports Bluetooth Low Energy function for smartphone applications and geopositioning

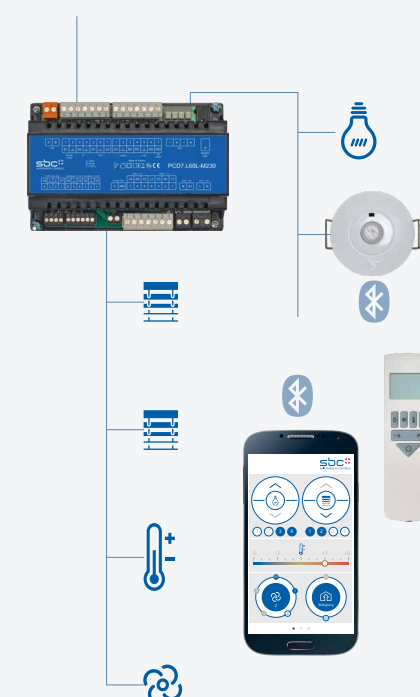### Remote control

▶ Physical or virtual
▶ Built-in Bluetooth
▶ This option can be activated even after installation
▶ Free iOs and Android application
▶ 1 intuitive screen for all purposes

Geopositioning

▶ Built-in ibeacon function
▶ This option can be activated even after installation
▶ Ibeacon without batteries

Principle

Mechanical characteristics

Material   Polycarbonate V0, white colour
Dimensions of visible parts   Ø 50 mm × 5 mm
Dimensions when inserted   Ø 32 mm × 30 mm
Overall dimensions   Ø 50 mm × 35 mm

Photometric sensor

Type   Photo-diode
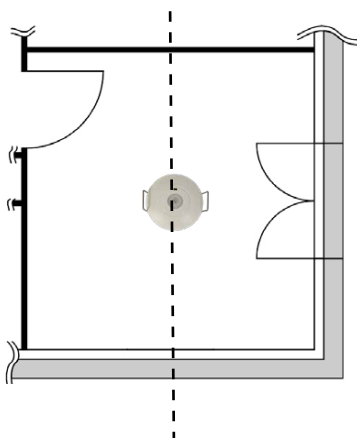Amplitude   0 to 1000 lux

Standards/warranties

DIRECTIVE 2014/35/EU "LOW VOLTAGE"
DIRECTIVE 2011/65/EU "ROHS DIRECTIVE"
DIRECTIVE 2014/30/EU "ELECTROMAGNETIC COMPATIBILITY"
All our products are covered by a 2 year warranty with standard exchange (refer to General Conditions of Sale).

Installation

Mounted on the ceiling with standard spring-loaded fittings (provided) or M32 nut (optional)

Ceiling installation
Position the multi-sensors so that the axis between the presence detector and the photometric hole is parallel to the window.

Electrical specifications

Input voltage of the DALI network Max 15 V
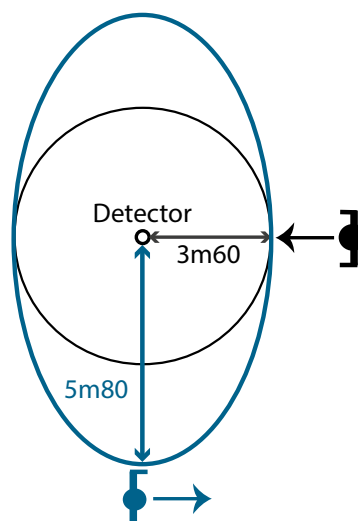Consumption < 0.2 W

Environment

Operating temperature   5°C to +40°C
Storage temperature   −20°C to +70°C

Motion detector

Optical   Fresnel 16-face lens
Type   Passive quadruple infrared components
Detection distance   5.80 m maximum
Detection speed   0.5 m/s to 1.5 m/s

Minimum temperature difference between the target and the environment: 4 °C

Axial detection zone   3.60 m
                                        to 2.50 m high

Tangent detection zone   5.80 m
                                        to 2.50 m high