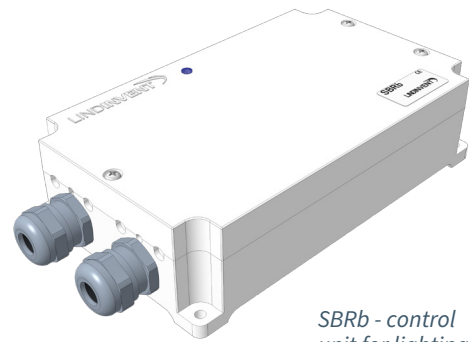


SBRb - CONTROL UNIT FOR LIGHTING (CAN)



SBRb - control unit for lighting.

INTRODUCTION

SBRb is a control unit for lighting with CAN connection and Bluetooth®.

FUNCTION

- Adds flexibility. The control unit is used to link additional lighting to lighting zones.
- Can switch lighting on and off via an external occupancy detector, alternatively via another control unit in the same lighting zone or directly via a push button.
- Eliminates power spikes at the moment of switching on and thus protects the building's cable network from disturbances.
- Can log switchings and time illuminated for follow-up.
- Connected via node ID to a network (CAN) for communication with a parent system and other controllers.

Configuration of lighting control

The desired lighting function and times for turning on and off are set by logging in to SBRb.

Lighting zones

With SBR, lighting can be configured to the desired lighting zone. If any of the light fittings in a lighting zone are activated, all lights in the same zone are turned on.

Service periods

LOGGING AND DISPLAY OF THE NUMBER OF SWITCHINGS AND DURATION OF ILLUMINATION GIVES A BASIS FOR SERVICE ACTIONS.

USER INTERFACE

- Equipped with Bluetooth® for communication via mobile application LINDINSIDE.
- Access via LINDINSPECT® and the software module RemoteSDU.

LINDINSPECT® is Lindinvent's web-based tool, installed on Lindinvent's central unit, for coordinated optimization, administration, and visualization of control units and supplementary systems for climate management at workplaces.

TEKNISKA SPECIFIKATIONER

General

Dimension (mm): (176+20)x105x52 (LxBxH)
Lid with LED-pipe for exposure of the RGB LED

Material

Encapsulation: Polystyren

PCB: FR4

Net weight: 0,3 kg

Colour

Encapsulation: Wight, RAL9003

Cable glands: Light grey, RAL7035

IP class

Covering complies with IP53

Temperature limits:

Operation: 10°C till 40°C; <85% RF

Storage: -20°C till 50°C; <90% RF

Electrical system

Supply voltage: 24 VAC

Capacity: 1,8 VA

Electrical load: Maximum 3,0 A

Cabel glands for 230 VAC (Size): M16

Complies with EMC and the Low Voltage Directive.

Connectors

2 x connector (Yellow) for 24 VAC + CAN

Connector for incoming 230 VAC

Connector for bush button

Connector for external occupancy detector, supporting 5 VDC, 15 VDC or 24 VAC supply voltage.

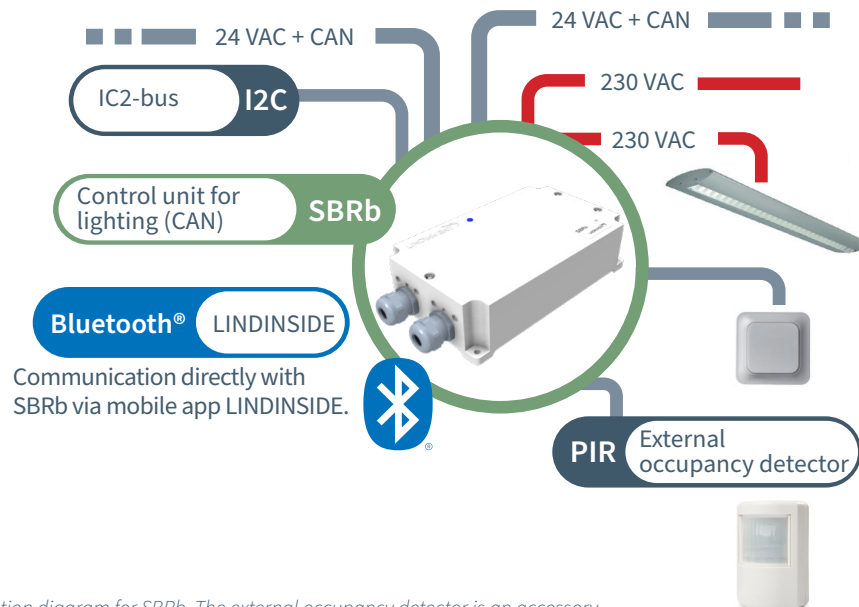
Indicator LED RGB+buzzer (digital out, not configurable). Shows status and answers calls from LINDINSIDE.

Relay output: Potential free, NC, 230 VAC for lighting

Connector for I2C bus

Bluetooth® 2.4 GHz for radio communication

CONNECTION DIAGRAM



Connection diagram for SBRb. The external occupancy detector is an accessory.

LIGHTING FUNCTIONS

It can, like a room climate controller, be set to control lighting according to one of the following functions:

- Light on; Lighting on. Used in testing
- IR; turns on and off only by PIR (presence detection)
- IR+button; on and off lighting via PIR or button
- IR+button OFF; On and off by PIR. The button switch is only for turning off
- Button; only button for on and off
- Lights off; lights off
- Button + IR OFF; switch on and off via button, IR only for switching off
- IR+zoneOnOff; can turn on and off via IR or lighting zone (support from SBRb version B02)

ADDITIONAL PRODUCT DOCUMENTATION FOR SBRb

Documents can be accessed at www.lindinvent.com

Documents	Comments
Installation instruction	Fastening via external screw holes. Removable cover for access to terminals. The external connection diagram is available on the inside of the encapsulation lid. The mounted cable glands are intended for 230 VAC. The encapsulation bottom part is prepared with thin sections of material where openings for other cables are made manually by cutting and breaking off material. The cables are then secured by attaching the lid.
Start-up instruction	A guide on how to use the app LINDINSIDE to start-up commissioning.
Maintenance instruction	Regarded as maintenance-free.
External connection diagram	Shows how equipment is connected to SBRb.
Building material declaration	Material declaration assessed by Bygghälsöversynen in Sweden.
End-user info	Not relevant for SBRb.
Modbus list	The latest Modbus list for SBRb.
AMA-text	Not available.