

SBTb - 24V ON/OFF VALVE ACTUATOR CONTROL UNIT



SBTb - Valve actuator control unit.

INTRODUCTION

SBTb is a unit with CAN connection for On/Off 24V valve actuator TRIAC control. The unit is equipped with two inputs for temperature sensors.

AREA OF USE

The unit can act as an independent roomtemperature regulator through actuator control or for linking radiator actuators to a radiator zone via a room climate controller.

- Can be used either as a stand-alone room temperature control unit or as part of a radiator zone that is controlled by a room climate controller
- Has a connection for CAN
- Troublesome, otherwise visible, cabling between actuators and the room climate controller can be replaced by cabling to the CAN loop
- From version C02, SBTb can measure room temperature parallel to floor temperature. With this functionality, SBTb can regulate the temperature in rooms with floor heating.

USER INTERFACE

- Equipped with Bluetooth® for communication via the mobile application LINDINSIDE
- Via network connection to Lindinvent's central unit with LINDINSPECT® and the module RemoteSDU. LINDINSPECT is a web-based visualization tool installed on Lindinvent's central unit together with the system software package LINDINTELL

ACCESSORIES

- Actuator A40405 (24 VAC, NC, on/off)
- Actuator A41405 (24 VAC, NO, on/off)
- GTN-V: A wall-mounted room temperature sensor where the 0-10V active sensor signal from room sensor GT-V has been replaced with a passive NTC sensor
- GTN-D: A duct-mounted room temperature sensor where the 0-10V active sensor signal from duct sensor GT-D has been replaced with a passive NTC sensor
- Floor temperature sensor: 10 kohm NTC sensor with defined Beta value

TECHNICAL SPECIFICATIONS

General

Dimension (mm): 86x86x39
 Material
 Enclosure: PP
 PCB: FR4
 IP-class: IP65
 Net weight: 100 g

Color
 White, RAL9003

Temperature limits:
 Operation: 10°C till 40°C; <85% RF
 Storage: -20°C till 50°C; <90% RF

Room temperature measurement

Two connections for NTC temperature sensors 10kohm.
 Accuracy: ± 0.5K

Electrical system

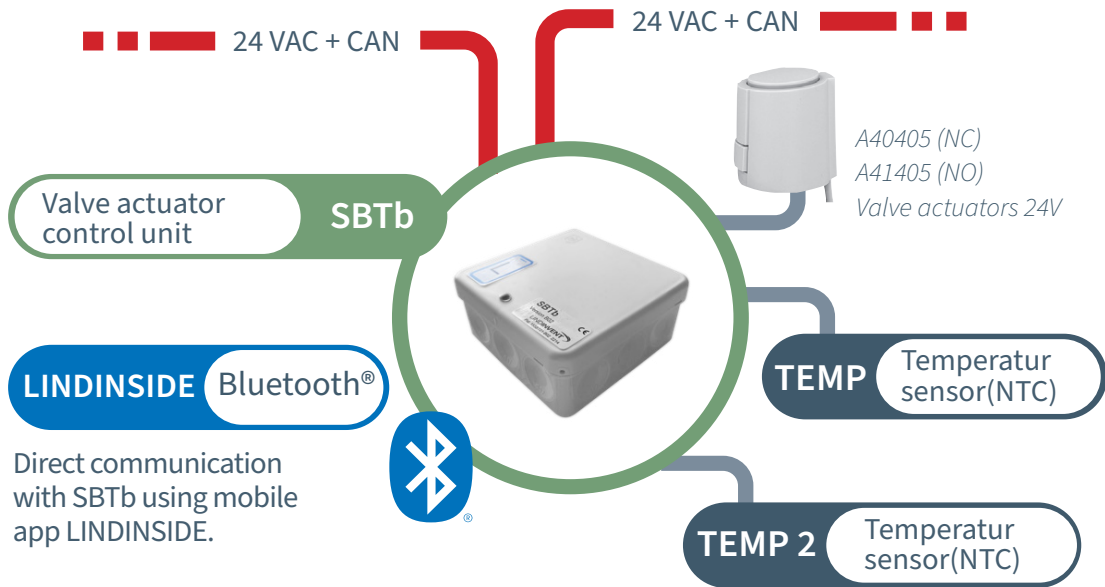
Voltage supply: 24 VAC
 Power: 0,5 VA
 Maximum load triac: 10 actuators 1 W

CE-marking
 Uppfyller EMC och lågspänningsdirektivet.

Connectors

- 24 VAC + CAN: communication loop, In/Out
- Valve: 24VAC and TRIAC
- K-temp (NTC)
- K-temp2 (NTC)
- Bluetooth®

CONNECTIONS DIAGRAM



Connection diagram for SBTb. Actuators and temperature sensors are normally accessories that are ordered separately.

COMPLEMENTARY DOCUMENTATION

Document can be viewed on the product page at www.lindinvent.com

Document	Comments
Installation instructions	Screwed on via holes in the bottom of the box. The box has a "snap-on" lid. For connections: see the external connection diagram.
Operation instructions	Instructions for handling the mobile application LINDINSIDE for setting the Node ID and for accessing settings in the controller.
Maintenance instructions	Considered maintenance free.
External connection diagram	Shows how conductors from equipment are connected to SBTb.
Environmental product declaration	For assessment at Byggvarubedömningen.
Modbus list	Last entry in the modbus list for STBb.
AMA-text	Available in swedish.