

SBT – Radiator valve actuator control unit

Introduction SBT

SBT is a radiator valve actuator control unit. The unit is directly connected on the installed communication loop (CAN).

Control electronics with connections are mounted in a single box. Alternatively, SBT can be mounted in ducting below windows.

Function

- Can connect groups of radiator actuators to a radiator zone that is controlled via the communication loop from a defined room climate control.
- Allows cable connections to the actuators to be fitted along with the façade so that cable pulling from the supply air control can be avoided.

SBT is connected to the same communication loop as the controller.

Configuration of the control unit

Programming of node ID and connection to the radiator zone etc. is done via digital room panel DHP, which is temporarily connected to SBT.



SBT – Radiator valve actuator control unit.

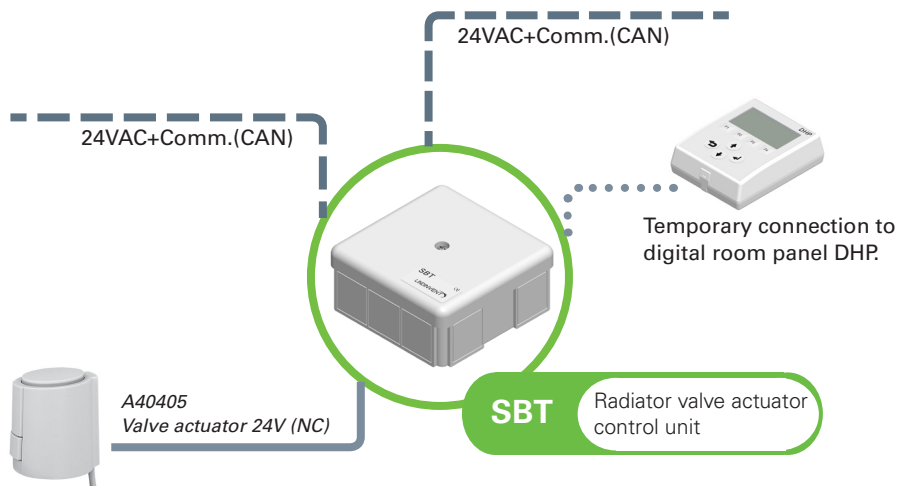
User interface

- Server with LINDINTELL/LINDINSPECT via CAN.
- Login via wired connection of digital room panel DHP with plain text message and menu selection.

LINDINTELL/LINDINSPECT

LINDINTELL is the software package that is installed on a central server and coordinates all optimisation and monitoring functions in Lindinvent's system designs for climate control and protective ventilation. LINDINTELL has, among other things, functions for optimisation, oversteering and free programming.

LINDINSPECT is a Web interface that has been developed to be used with LINDINTELL.



Connection diagram: Control unit SBT with connections.

SBT – Radiator valve actuator control unit

Technical specifications SBT

General

Dimension

87 x 87 x 36 mm (LxWxH)

Material

ABS encapsulation

Colour

White

IP class

Encapsulation complies with IP44

Temperature limits

Operation: 0°C to 40°C; <85% RF

Storage: -20°C to 50°C; <90% RF

Electrical system

Supply voltage

24 VAC

CE marking

Complies with EMC and the Low Voltage Directive

Maximum load TRIAC

10 x 1W actuators

Connections

2 x connections for 24 VAC supply and communication (CAN)

1 x output for 24 VAC/TRIAC

1 x modular jack RJ45 (for digital room panel DHP)

Additional product documentation SBT

Table 1: Additional documentation for SBT can be obtained via links on the product's website under Products at www.lindinvent.se

| Document | Available | Not available | Comments |
|-----------------------------------|-----------|---------------|--|
| Installation Instruction | ● | | Shows connections |
| Start-up instruction | ● | | |
| Maintenance instruction | | ● | Regarded as maintenance-free |
| External connection diagram | ● | | |
| Environmental product declaration | ● | | Assessed by Byggvarubedömningen and Sundahus |
| User information | | ● | Not applicable |
| Modbus list | ● | | |
| AMA text | | ● | None |

Product documentation can be downloaded via www.lindinvent.se/produkter/



Contact

www.lindinvent.se

Tel: 046-15 85 50

Lindinvent – Smarter indoor climate. Greener buildings.

The company offers products and systems for controlling ventilation, lighting, solar shading and local utilization. Equipment and climate solutions are being developed for offices, schools, hospitals, laboratories and similar working environments. Lindinvent's systems work together to provide high indoor comfort and the lowest possible energy use.