

LinkedGo Smart Thermostat ST802-B

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Device Image(s) [🔗](#)



Device Identification [🔗](#)

Device name: **LinkedGo Smart Thermostat ST802-B**

Device model: **S3XT-0S**

Device SSID: **ST-802-XXXXXXXXXXXX**

BLE model ID: **0x4001**

Short description [🔗](#)

Versatile thermostat for complete HVAC control—fan coil, underfloor heating, ventilation, and cooling. Supports external temperature sensors. Powered by Shelly for smart automation, remote access, and seamless integration with major platforms.

Main features [↗](#)

- Underfloor heating valve control
- Fan coil control
- Ventilation fan control - AC and DC fans supported, including 10V DC fan control via an analog output
- Heat source control - Uses a dry contact relay to signal heat sources like gas burners, pellet burners, etc.
- Supports electric underfloor heating - The thermostat can signal a connected Shelly relay to switch the heating on or off automatically based on temperature settings
- RS485/ MODBUS control
- Coming soon: External temperature sensor support
- Anti-freeze function - prevents damage to the heating pipes
- Humidity sensor integrated
- Temperature & humidity offsets - Adjust the thermostat's readings to make them more accurate
- No hub required! Wi-Fi and Bluetooth connectivity
- Wi-Fi Range Extender & BLE Gateway
- Powered by Shelly - Equipped with a Shelly chip, offering full Shelly capabilities
- Smart schedules based on time or sunset/sunrise
- Highly compatible! Easy control through the Shelly Smart Control app, most automation platforms and open documented protocols. Support for Alexa and Google Home coming soon.

Use cases [↗](#)

Smart Climate Control for Any Space: Control heating, cooling, and dehumidification in your home or office. Set custom schedules, adjust settings based on temperature and humidity, and manage everything remotely for consistent comfort and energy efficiency.

Control the heat source of your installation: The thermostat can also signal the heat source of your installation to start or stop using the integrated dry contact relay. This capability allows the thermostat to operate independently or in combination with other heat control equipment.

Integrate into a larger HVAC system: Designed for both standalone and large-scale HVAC installations, the thermostat supports RS485/MODBUS integration, making it easy to connect with centralized climate control systems.

Integrations [↗](#)

The device is currently compatible with:

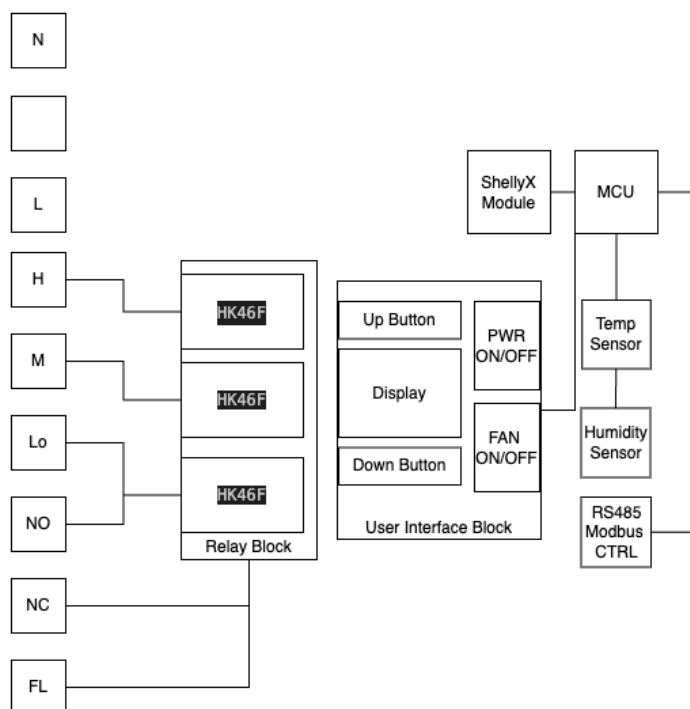
Shelly Smart Control app Shelly Cloud services 

Home Assistant 

Safety functions [↗](#)

Anti-freeze function: Keeps your home safe by maintaining a minimum temperature during long absences, preventing pipes from freezing and bursting

Simplified hardware architecture [↗](#)



✓ Draw IO Project

[LinkedGo Smart Thermostat ST802-B](#)

Compliance and certification: [↗](#)

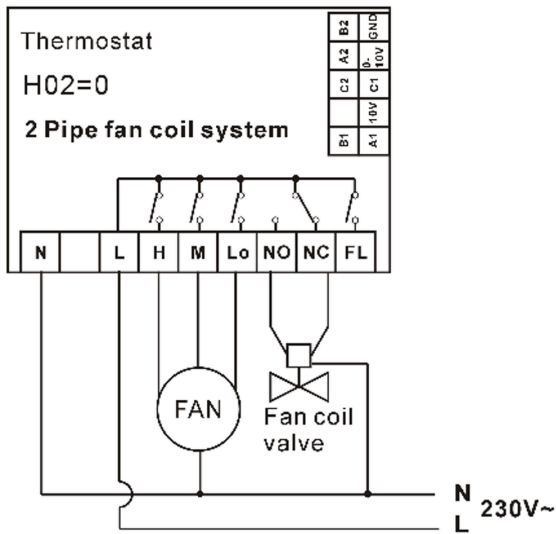
Low Voltage Directive (LVD): [Click Here](#)

Restriction of Hazardous Substances (RoHS): [Click Here](#)

Radio Equipment Directive (CE-RED): [Click Here](#)

Test Reports: [Click Here](#)

Wiring Diagram [↗](#)



Specifications [🔗](#)

Product Name	LinkedGo Smart Thermostat ST802-B
Color	Black
Mounted	Flush Mounted
Mounted Hole	60 mm
Power Supply	230VAC , 50Hz
Maximum Current	1A Inductive load, 2A resistive load
Operational Range	-10~55°C
Ingress Protection	IP20
Corpus Material	Anti-flaming PC+ABS
Display	LCD
Internal Sensor Type	Temperature & Relative humidity
Temp Accuracy	0.5°C
Relative Humidity Accuracy	5%
Temperature Settings Range	5~35°C
WIFI protocol	802.11 b/g/n
RF band:	2401 - 2495 MHz
Max. RF power:	< 20 dBm
Range:	Up to 30 m / 100 ft indoors and 50 m / 160 ft outdoors (Depends on local conditions)
Bluetooth Protocol:	4.2
RF band:	2400 - 2483.5 MHz

Max. RF power:	< 4 dBm
Range:	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)
Smart capabilities	
Schedules:	20
Webhooks (URL actions):	20 with 5 URLs per hook
Scripting:	Yes
MQTT:	Yes
UDP:	Yes
Advanced schedules:	Yes
KVS (Key-Value Store):	Yes

User Manual(s) [🔗](#)

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