

LinkedGo Starlight Floor Thermostat ST1820

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Device Identification [↗](#)

Device name: **Starlight Floor Thermostat**

Device model: **S3XT-OS**

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

BLE model ID: **0x4001**

Short description: [↗](#)

Smart thermostat powered by Shelly, designed for precise control of underfloor heating. Manages heating valves and can signal the heat source to turn on or off. Equipped with humidity sensing, anti-freeze protection, and full Shelly capabilities.

Main features [↗](#)

- Valve control - precisely manages the valves in your underfloor heating system (supports up to 2A resistive load or 1A inductive load).
- Dry contact relay - can signal your gas boiler, pellet stove, or other heating sources to turn on and off.
- Supports electric underfloor heating - the thermostat can signal a connected Shelly relay to switch the heating on or off automatically based on temperature settings.
- Anti-freeze function - maintains a minimum temperature during long absences to prevent pipes from freezing and bursting.
- Humidity sensor
- 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
- Simple & intuitive interface
- Powered by Shelly - equipped with a Shelly chip, offering full Shelly capabilities
- 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 [↗](#)

Control the temperature at home: The thermostat gives you full control over your underfloor heating, directly adjusting the valves to regulate heat distribution. Using its dry contact relay, it can activate heat sources like gas boilers or pellet stoves. No matter your setup, this thermostat adapts to your needs.

Electrical underfloor heating with another Shelly: Control your electric underfloor heating by signalling a connected Shelly relay to turn on or off based on the room's temperature and humidity.

Full safety of your heating installation: The Anti-freeze function of the thermostat ensures that even if you're away from home, your heating installation is safe. It ensures temperature in the room never gets too low thus preventing damage to the heating pipes and your home.

Integrations [↗](#)

The device is currently compatible with:

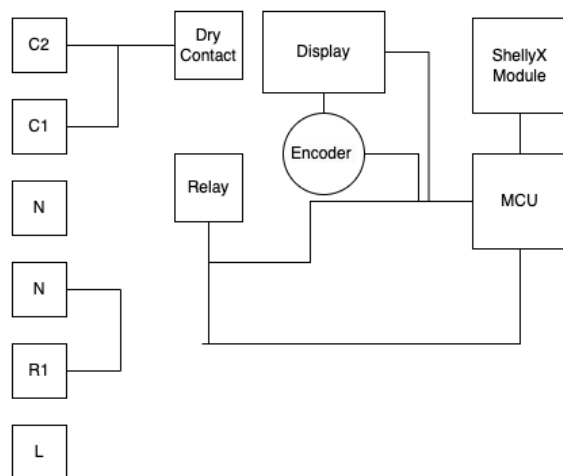
Shelly Smart Control app Shelly Cloud services 

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 Starlight Floor Thermostat ST1820](#)

Compliance and certification: [🔗](#)

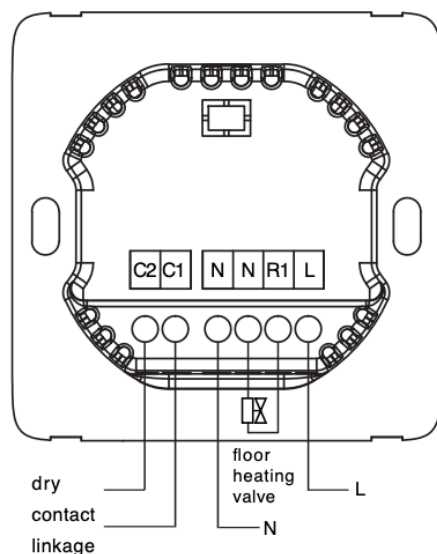
Volatile organic compounds (VOC): [Click Here](#)

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

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

Test Reports: [Click Here](#)

Wiring Diagram [🔗](#)



- R1 - Connected to the floor heating

- L - Connected to live line of power supply.
- N - Connected to the floor heating valve.
- N - Connected to the neutral line.
- C1/C2 is a dry contact as a control signal for turning equipment such heat sources or gas boilers.

User Manual [🔗](#)

[User Manual ST1820 - ShellyX.pdf](#)