



## Smart Low Voltage Thermostat (24 Vac) **TH1420ZB**



Hydronic floor heating



Baseboard heater activated by a mechanical or electronic relay [SSR]



Hydronic heating system



Fan-forced convactor  
[activated by a relay]



Furnace [without fan control]



Electric floor heating  
[activated by a relay]



## ■ FEATURES\*

- Backlit display
- Lockable buttons
- Allows floor or ambient temperature control
- Allows control of the ambient temperature taking into account the minimum and maximum temperature limits of the floor
- Allows control of the floor temperature taking into account the maximum ambient temperature limit
- Select the control cycle length based on the load type connected to the thermostat
- Personalization of the minimum and maximum temperatures available for thermostat control
- Temperature displayed in °C or °F

### This thermostat is equipped with:

- Auxiliary heating control output
- Protection of the pump of a hydronic system during long periods of inactivity

\* These features are available in Neviweb and require the GT130 hub. Features may vary from a platform to another.

## ■ COMMUNICATION

Protocol: Zigbee 3.0

Frequency: 2.4 GHz

Transmission power: +20 dBm

Receiver sensitivity: -108 dBm

Encryption key: AES-128

## ■ ACCESSORY



### Floor Sensor AC1310-01

Do you wish to control the floor temperature with this thermostat? Use the AC1310-01 sensor.

- **Automations:** create automations that run based on time, sunrise/sunset, device action, or your presence
- **Scenes:** activate personalized ambiances according to the time of the day, events or activity
- **Energy reports:** see your consumption and savings in real-time
- **Geofencing:** trigger actions based on your presence
- **Voice assistants:** works with Amazon Alexa and Google Assistant

\* Discover more features: [sinopetech.com](http://sinopetech.com)

## ■ TECHNICAL SPECIFICATIONS

Operating voltage: 24 Vac\*

Maximum load - main output: 1 A

Maximum load - auxiliary output: 1 A

Setpoint range: 5 °C to 36 °C [41 °F to 97 °F]

Display range: 0 °C to 70 °C [32 °F to 99 °F]

Storage: -20 °C to 50 °C [-4 °F to 122 °F]

Resolution: ± 0.5 °C [± 1 °F]

Auxiliary output:

Compatibility: 10K Ω / 12K Ω sensors at 25 °C

Floor sensor not included

3-year warranty

\* 24 Vac external power source required. A relay may be required when used with an hydronic floor heating, an hydronic heating system or a furnace (without fan control).

