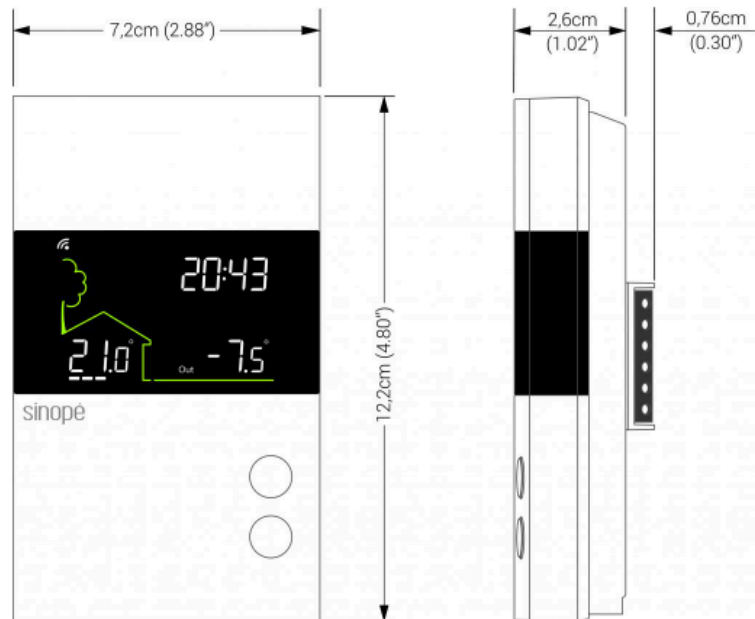


## Smart low voltage thermostat

## Zigbee 3.0

**TH1400ZB**

## Technical specifications

## Type

- Smart low voltage thermostat
- Compatible with 10 k $\Omega$  / 12 k $\Omega$  probes at 25 °C

## Communication

- Protocol: Zigbee 3.0
- Frequency: 2.4 GHz
- Transmission power: +20 dBm
- Receiver sensitivity : -108 dBm
- Encryption key: AES-128

## Transmitter module

- IC: 22394-ZBM1501
- FCC ID: 2AK2T-ZBM1501

## Power supply

- 24 Vac (external 24 Vac power supply required)

## Load

- Max. 1 Amp (main output)
- Max. 1 Amp (auxiliary output)

## Control

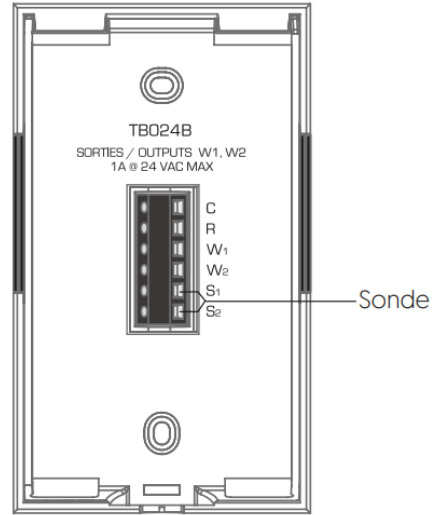
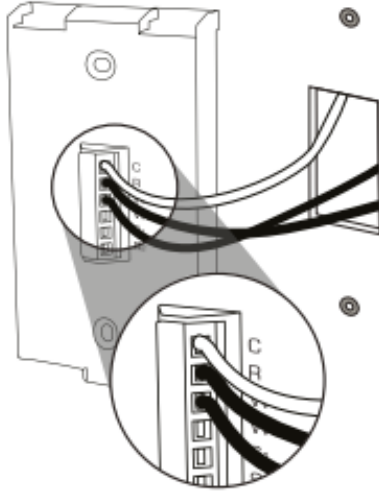
- Variable cycle length depending on heating type (between 15 seconds and 30 minutes)
- Resolution and accuracy:  $\pm 0.5$  °C ( $\pm 1$  °F)

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	<ul style="list-style-type: none"><li>• Output for controlling an auxiliary heating system (relay and low-voltage transformer) or an expansion module for underfloor heating (TRI310)</li></ul>
<b>Control mode</b>	<ul style="list-style-type: none"><li>• Mode A: Room temperature control with the option of limiting the floor temperature using an external temperature sensor.</li><li>• Mode F: Floor temperature control using an external temperature sensor with the option of limiting the room temperature.</li></ul>
<b>Temperature ranges</b>	<ul style="list-style-type: none"><li>• Setpoint range: 5 °C to 36 °C (41 °F to 97 °F)</li><li>• Display range: 0 °C to 70 °C (32 °F to 99 °F)</li></ul>
<b>Display</b>	<ul style="list-style-type: none"><li>• Digital display screen with black backlighting</li><li>• Display of selected mode</li><li>• Display of heating level sent</li><li>• Display of outside temperature*</li><li>• Display format for temperature (°C or °F) and time (24-hour or 12-hour).</li></ul>
<b>Installation</b>	<ul style="list-style-type: none"><li>• 3-wire thermostat (load, power supply, common)</li></ul>
<b>Compatible heating devices</b>	<ul style="list-style-type: none"><li>• Baseboard heater activated by a mechanical or electronic relay (SSR)</li><li>• Fan-forced convector (activated by a relay)</li><li>• Electric floor heating (activated by a relay)</li><li>• Hydronic floor heating</li><li>• Hydronic heating system</li><li>• Furnace (without fan control)</li></ul>
	Can't be used with:
	<ul style="list-style-type: none"><li>• Cooling system</li><li>• Heat pump</li></ul>
<b>Features*</b>	<ul style="list-style-type: none"><li>• Lockable buttons</li><li>• Customization of minimum and maximum temperatures available for thermostat control</li><li>• Automated programming via the Sinopé application or the Sinopé Smart Systems commercial platform</li><li>• Protection of the pump in a hydronic system during long periods of inactivity</li></ul>
<b>Warranty</b>	<ul style="list-style-type: none"><li>• 3 years</li></ul>

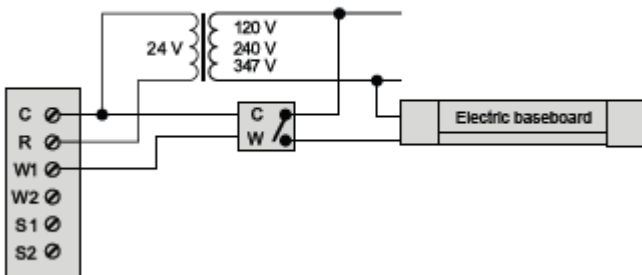
\* These features are available in the Sinopé app and Sinopé Smart Systems platform and require the use of the GTI30 gateway (not included).

Installation diagrams

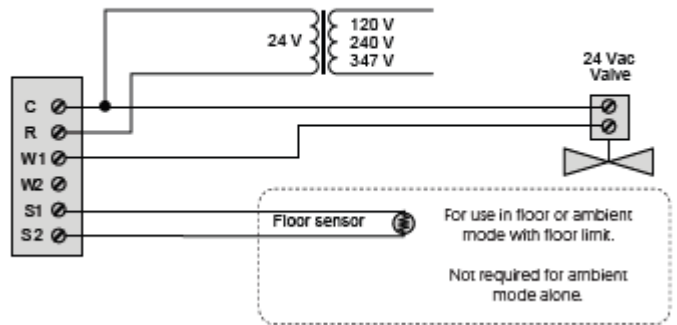


Wiring diagrams

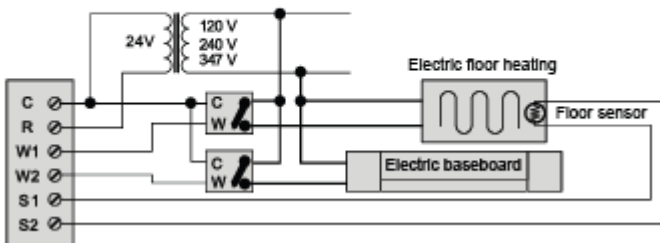
Electric baseboard



Hot water valve



Electric floor heating with electric baseboard on the 2nd heating stage



**Model**

No. product	Description	Volts	Amp	Qty
THI400ZB	Smart low voltage thermostat - Zigbee	24	1	
GTI30	Smart gateway enabling remote access to Zigbee devices	-	-	

**Specifications are subject to change without notice**

The signature certifies that the installation complies with the above installation diagrams.			
	Designation	Profession	Signature
Project's name:			
Address:			
Promotor:			
Builder:			
Consulting engineer:			
Contractor #1:			
Contractor #2:			
Contractor #3:			
Date:			