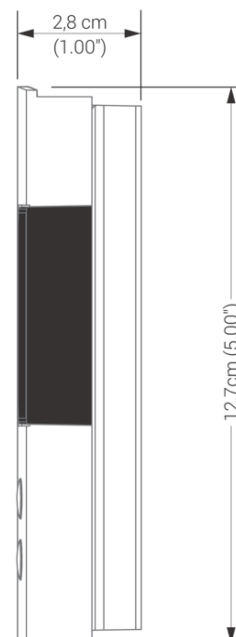


Smart thermostat for electric heating

Zigbee 3.0

TH1123ZB-G2

Tested in accordance with CSA-C828-19

Complies with NMB-003

Technical specifications

Type

- Smart thermostat
- TRIAC switching

Transmitter module

- IC: 5123A-GM210P

Communication

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

Power supply

- 120/208/240 Vac, 60 Hz

Load

Maximum load

- 12.5 A / 3000 W @ 240 Vac
- 12..5 A / 1500 W @ 120 Vac

Resistive load only

Minimum load (baseboard, convector, and radiant ceiling)

- 2 A / 500 W @ 240 Vac
- 2 A / 250 W @ 120 Vac

Minimum load (Fan-forced convector)

- 4.16 A / 1000 W @ 240 Vac
- 4.16 A / 500 W @ 120 Vac
- Possibility of connecting a single fan-forced convector per thermostat

Control

- 10-minute cycle (fan-forced convector) or 15-second cycle (convector)
- Resolution: ± 0.5 °C (1 °F)
- Accuracy: ± 0.15 °C (0.27 °F) for 15-second cycles
- Accuracy: ± 0.5 °C (1 °F) for 10-minute cycles

Temperature ranges

- Setpoint range: 5 °C to 30 °C (41 °F to 86 °F)
- Display range: 0 °C to 50 °C (32 °F to 99 °F)
- Operation: 0 °C to 50 °C (32 °F to 122 °F)
- Storage: -20 °C to 50 °C (-4 °F to 122 °F)

Display

- Backlit digital display screen
- Display of fan-forced convector mode and keypad lock (when activated)
- Outdoor temperature display*
- Display format for temperature (°C or °F) and time (24-hour or 12-hour)

Installation

- 2-wire non-polarized thermostat

Compatible heating devices

- Electric baseboard heater
- Convector heater
- Fan-forced convector
- Radiant ceiling

Features

- Reading of the connected load
- Lockable buttons
- Customization of minimum and maximum temperatures available for thermostat control
- Automated programming via the Sinopé app

Warranty

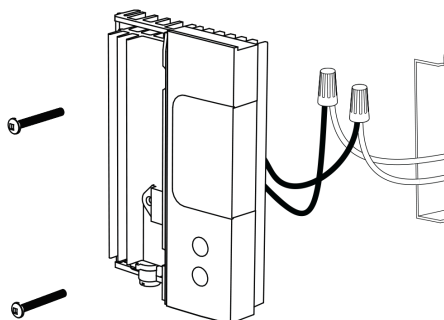
- 3 years

* These features are available in the Sinopé app and Sinopé Smart Systems and require the use of the GT130 gateway (not included).

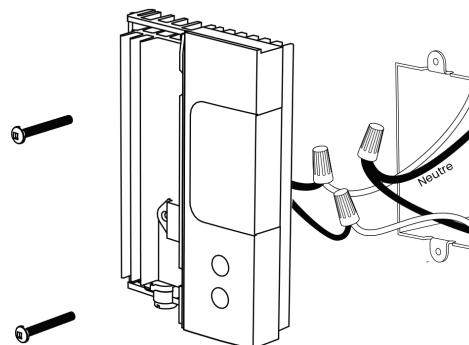
Installation diagrams

Note: The thermostat wires are non-polarized.

2-wire installation



4-wire installation



Model

No. product	Description	Volts	Watts	Qty
TH1123ZB-G2	Smart thermostat for electric heating - Zigbee	120/208/240	3000	
GT130	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:			