

# User's guide

TH1300

Floor heating thermostat  
Non-programmable  
(3600 W)

sinopé

## Warnings

The installation of this thermostat should be made by a certified electrician and must be installed in conformity with the national and local Electrical Codes.



Since you are a valuable customer, before starting the installation of your new thermostat, please make sure that the breakers for your heating system are off at the main electrical panel!

## Technical specifications

Operating voltage: 120/208/240 Vac, 50/60 Hz

### TH1300 Thermostat

#### Maximum load:

1800 W @ 120 V / 15 A

3120 W @ 208 V / 15 A

3600 W @ 240 V / 15 A

**Setpoint range:** 5 °C to 30 °C (41 °F to 86 °F)

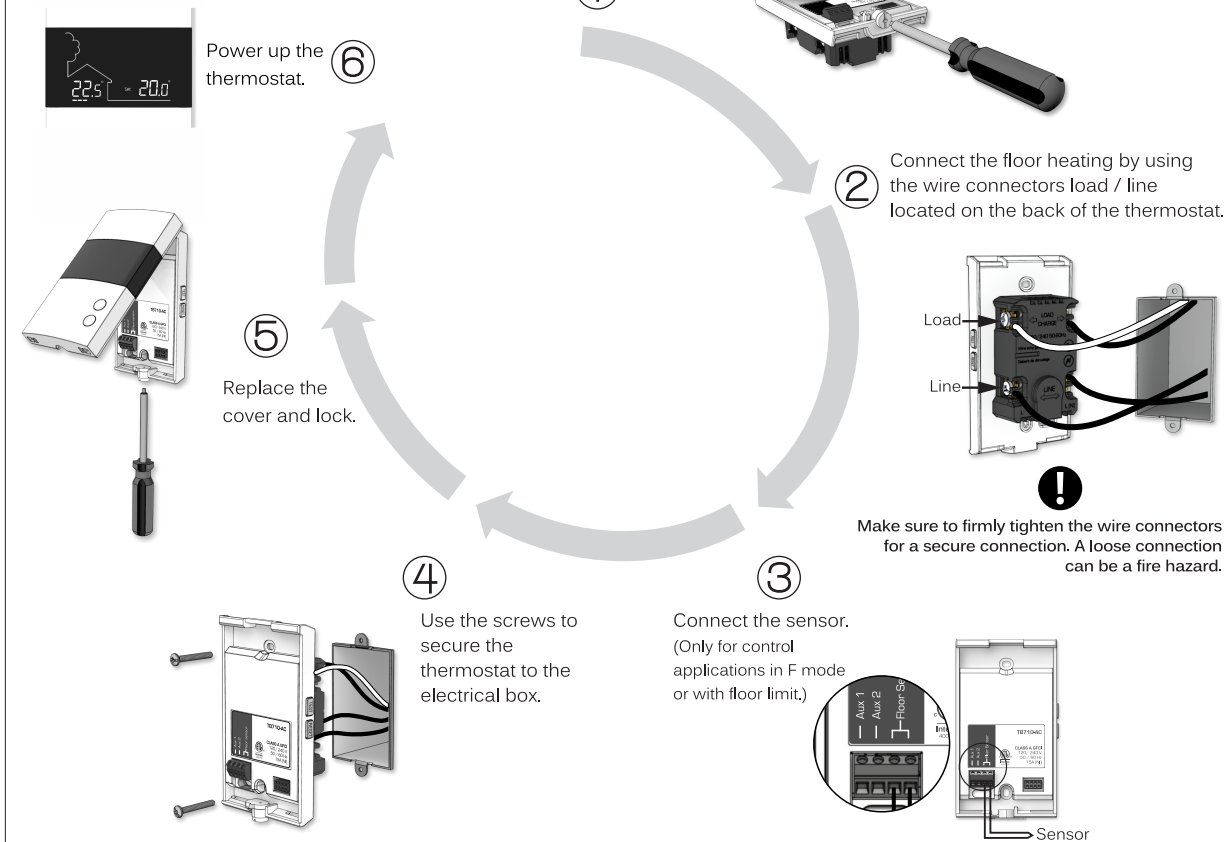
**Display range:** 0 °C to 70 °C (32 °F to 99 °F)

**Resolution:** ± 0,5 °C (± 1 °F)

**Storage:** -20 °C to 50 °C (-4 °F to 99 °F)

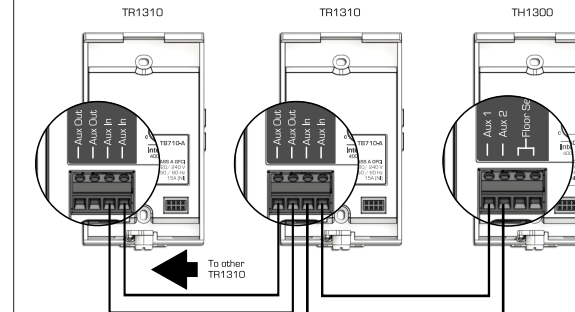
**Auxiliary output:** 24 Vac/Vdc / 0.1 A

## Install your thermostat



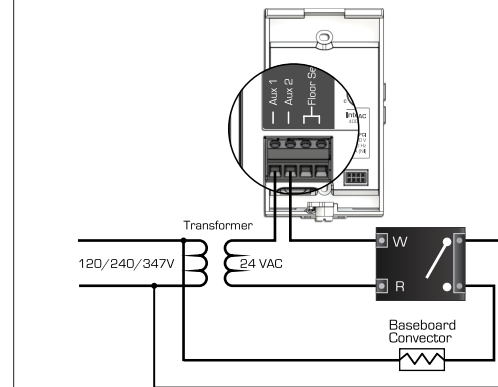
## Connect the slave module (TR1310)

It is possible to connect up to 10 slave modules to the same device.



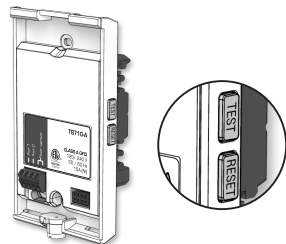
## Connect the auxiliary output

Second stage heating



Ground fault protection

The thermostat is equipped with a ground fault protection that can detect a current leakage of 5 mA. When current leakage is detected the ground fault protection is triggered and quickly interrupts the power supply to prevent any serious injuries.



Resetting the ground fault protection

The RESET button warning light turns on (red) when the ground fault protection is triggered. If the RESET button warning light turns on during normal operation of the thermostat, simply press the RESET button to reset the ground fault protection. The light will turn off. If for any reason this situation occurs again, cut the power to the heating system from the main electrical panel and ask a qualified electrician to verify the installation.

Testing the ground fault protection

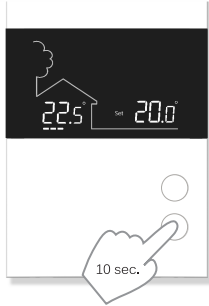
This thermostat has an Auto Test which verifies periodically the correct operation of the protection circuit. You can also do this manually:  
1) Press the TEST button. If the RESET button warning light does not turn on, the test has failed. Cut the power to the heating system from the main electrical panel and ask a qualified electrician to verify the installation.  
2) Press the RESET button to restart the thermostat's base. This test should be performed on a monthly basis to ensure proper operation of the ground fault protection.

User settings

Get the setpoint to its minimum and hold the ↓ button for 10 seconds to access the menu.

Press the ↑ or ↓ button to change the setting.

Press the ↓ and ↑ buttons simultaneously to save and go to the next parameter. Continue to press until the end of the list to exit the menu.



The thermostat offers 2 temperature regulation modes:

**Mode A :** Regulates ambient temperature with the possibility to limit floor temperature by means of an external temperature sensor.

**Mode F :** Regulates floor temperature by means of an external temperature sensor with the possibility to limit ambient temperature.

Advanced settings

#	Name	Parameters & settings	Display
1	Temp	Temperature format °C or °F (default °C)	°C
2	Control	Control mode A (Air), F (Floor) (default F)	F
3	Aux	Assignment of auxiliary output (1)* Shrt, Long, Slave (default Slave)	SLAU
4	Min Floor	Minimum setpoint 5 to 30 °C (default 5)	5.0°
5	Max Floor	Maximum setpoint 5 to 30 °C (default 30)	30.0°
6	Min Floor	Minimum floor temperature (2)* 5 to 30 °C (default OFF)	OFF
7	Max Floor	Maximum floor temperature (2)* 5 to 30 °C (default OFF)	OFF
8	Max Air	Maximum ambient temperature (3)* 5 to 30 °C (default OFF)	OFF
9	Sens	Floor sensor 10K or 12K (default 10K)	10
10	BL	Backlight control ON or OFF (default ON)	ON
11	Load	Load power (4)* 0 W to 3600 W	1500

\* Refer to the next page for more information on these parameters.

Mode A only:

1) Assigning the auxiliary output:

The thermostat provides an auxiliary output that has three possible functions which are set from the user settings.

**Shrt Function:** Short cycle auxiliary output (15 seconds).

**Long Function:** Long cycle auxiliary output (15 minutes).

**Slave Function:** Auxiliary output for connecting several floor heating (TR1310 sold separately).

The thermostat controls the ambient temperature with the floor. Once the floor temperature has reached its limit, if the desired ambient temperature is not reached, the auxiliary output activates the heating device to reach the set temperature. (The auxiliary output acts as second stage heating.)

2) Floor temperature limit

The thermostat limits floor heating to the set temperature to ensure it does not exceed the selected limit. Ideal for protecting engineered wood floors (check with your flooring manufacturer to determine heat limit).

Mode F only:

3) Maximum ambient temperature limit

The thermostat limits floor heating to ensure that the ambient temperature does not exceed the selected limit.

Mode A and F:

4) Load power

Reading of the load connected to the thermostat in watts.

3-year limited warranty

SINOPÉ TECHNOLOGIES INC. warrants the components of their products against defects in material and workmanship for a 3 year period from the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. This warranty does not cover any transportation costs that may be incurred by the consumer. Nor does it cover a product subjected to misuse or accidental damage. The obligation of Sinopé Technologies Inc., under the terms of this warranty, will be to supply a new unit and this releases the manufacturer from paying the installation costs or other secondary charges linked to replacing the unit or the components.



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