Installation guide

TH1400RF

Low voltage thermostat (24 Vac)
Web Programmable

sinopé

Technical specifications

Operating voltage: 24 Vac

Maximum load: 1 Amp
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 122 °F)
Auxiliary output: 1 Amp

Compatible with:

- Baseboard heater activated by electronic relay (SSR)
- Baseboard heater activated by mechanical relay
- Fan-forced convector
- Electric floor heating (activated by a relay)
- Hydronic floor heating
- Hydronic heating system
- Furnace (without fan control)

Auxiliary output

The thermostat provides an auxiliary heating output that can act as a second stage of heating when controlling ambient temperature.

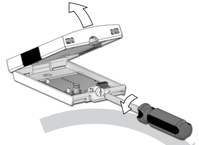
If the room temperature is too far from the setpoint or the main stage of heating has difficulties raising the temperature, the auxiliary output activates the secondary heating source to reach the set temperature.

Both outputs can control different types of heating load and can be configured in the user settings.

Install your thermostat

Unlock and lift the thermostat cover.

1

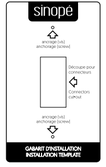


2

If necessary, mark and drill the appropriate fastening holes, using the installation template.

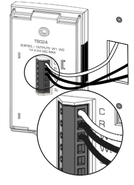
If needed, use the wall anchors included.

Template



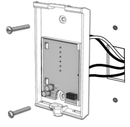
3

Depending on the heating system, insert each wire into its terminal and screw firmly. (See connection layouts outlined in the following pages.)



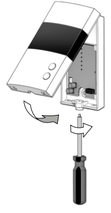
4

Use the provided screws and wall anchors to fix the thermostat base on the wall.



5

Replace back and lock the thermostat cover.

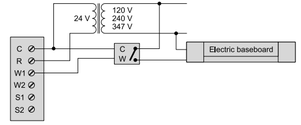


6

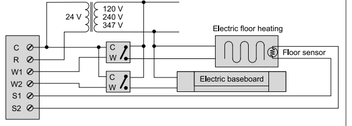
Power up the thermostat.

Wiring layout

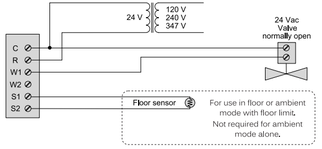
Electric baseboard



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

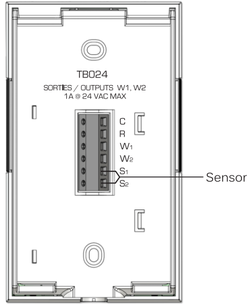


Hot water valve



Connection of the floor sensor (optional)

Only for control applications in floor (F) mode or with floor limit.



Connect your thermostat to your Web interface

Initiate the connectivity by pressing the button on the GT125. (*Do not hold the button).

Wait until the green light flashes, which indicates that new devices can be added to your network.

On the thermostat display:

Flashes = Connecting
Remains lit = Connected

Connect to your network the wireless thermostat that is the closest to the GT125 by pressing simultaneously the ↑ and ↓ buttons.

If the connectivity fails, an error message will appear on the display. Refer to our Website to troubleshoot the unit.

Connect all your wireless thermostats the same way, by going to the next closest thermostat.

When all the thermostats are connected, press again on the button of the GT125 to close the connectivity session.

Connect your network to neviweb®

If you already have a neviweb® account, your thermostat will automatically be integrated to your account. If you do not have an account yet, visit **neviweb.com** to open an account and add your network. To do so, use the GT125 installation guide.

neviweb®
For more information, visit
www.sinopetech.com

User settings

All of the thermostat's parameters can be set through your neviweb® account. However, if you have not connected your wireless network and wish to change the temperature format or the control cycle, you need to:

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

Press the ↓ or the ↑ button to change the setting.

Press the ↓ and the ↑ 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 features two temperature regulation modes:

Mode A: Regulation of ambient temperature with the possibility to limit floor temperature through an external temperature sensor.

Mode F: Regulation of ambient temperature through an external temperature sensor with the possibility to limit ambient temperature.

Parameters that can be controlled from the device:

#	Name	Parameters & settings	Display
1	Temp	**Temperature format** °C or °F – (Default: °C)	°C
2	Control	**Control mode of thermostat** A (Air), F (Floor) – (Default: A)	A
3	Cyc	**Cycle lenght / Main output** 15 sec, 5 min, 10 min, 15 min, 20 min, 25 min, 30 min – (Default: 15 min) **(1)**	00:15
4	Aux Cyc	**Cycle lenght / Auxiliary output** OFF, 15 sec, 5 min, 10 min, 15 min, 20 min, 25 min, 30 min – (Default: OFF) **(1)**	OFF
5	Min On	**Minimum time ON** 0 sec, 30 sec, 1 min, 2 min, 3 min, 4 min, 5 min – (Default: 0 sec) **(2)**	00:00
6	Min Off	**Minimum time OFF** 0 sec, 30 sec, 1 min, 2 min, 3 min, 4 min, 5 min – (Default: 0 sec) **(3)**	00:00
7	Min	**Minimum setpoint** 5 °C to 30 °C – (Default: 5 °C)	5.0°
8	Max	**Maximum setpoint** 5 °C to 30 °C – (Default: 30 °C)	30.0°
9	Min Floor	**Minimum floor temperature limit** 5 °C to 30 °C – (Default: OFF)	OFF
10	Max Floor	**Maximum floor temperature limit** 5 °C to 30 °C – (Default: OFF) **(4)**	OFF
11	Max Air	**Maximum ambient temperature limit** 5 °C to 30 °C – (Default: OFF)	OFF

Parameters that can be controlled from the device (continued):

#	Name	Parameters & settings	Display
12	Sens	**Floor sensor** 10K or 12K – (Default: 10K)	10
13	bL	**Backlight control** ON/OFF – (Default: ON)	ON
14	PE	**Circulator pump's anti-seizure** ON or OFF (Default: OFF) **(5)**	OFF

For more parameters, visit **www.neviweb.com**

1) Main and auxiliary output cycle length

The thermostat has a main and an auxiliary output. Select the appropriate cycle length based on your heating system. The selection of an inappropriate cycle length may damage your unit.

Minimum cycle length	0.15	5	10	15	20	25	30
Convector or baseboard heater activated by electronic relay (SSR)	×						
Fan-forced convector activated by electronic relay (SSR)		×	×				
Fan-forced convector or baseboard heater activated by mechanical relay			×	×			
Hydronic heating pump system				×	×	×	×
Furnace				×	×	×	×

2) Minimum time ON

This parameter determines the minimum operation time of the thermostat before it turns off. This ensures heating is not running for a shorter time period than the starting time of the heating system.

Note: It is recommended to select the same duration as the starting time of the heating system, without exceeding 20% of the selected cycle length.

3) Minimum time OFF

This parameter determines the minimum period for which the thermostat must stay off before its output is reactivated.

4) Maximum floor temperature limit (Mode A)

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

This parameter is only available when a floor sensor is connected to the thermostat.

5) Circulator pump's anti-seizure

When the thermostat is not heating for an extended period, this parameter will activate the main output during 1 minute every 24 hours to ensure the hydronic system pump does not seize.

Transmitter Module IC: 7693A-89XAM9A / FCC ID:OA3MRF89XAM9A

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device does not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

neviweb®

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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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For more information, visit our Website at:
www.sinopetech.com

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