

Installation guide

OTH4000-ZB

Smart Thermostat
Electronic Programmable
(4000W)



Warnings

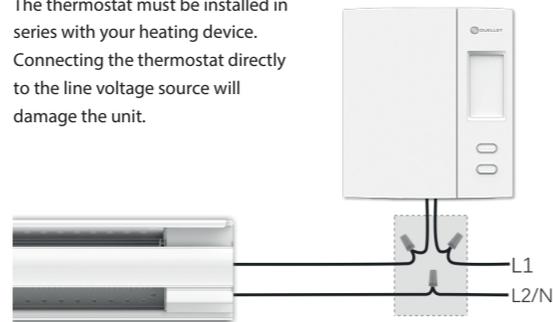
The installation of this thermostat should be made by a certified electrician and must be installed in conformity with the national and local Electrical Codes.



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!

Max. resistive load for this thermostat:
16.7A / 4000W @ 240Vac

The thermostat must be installed in series with your heating device. Connecting the thermostat directly to the line voltage source will damage the unit.



Note: The wires of this thermostat are non-polarized.

For optimum performance, a recommended clearance of 12 in. (305 mm) above and below the thermostat and 3 in. (76 mm) on each side of the thermostat.

Technical Specifications

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

Maximum load:
16.7A / 4000W @ 240Vac
Resistive load only

Minimum load:
1.25A / 300W @ 240Vac

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

Display range: 0 °C to 50 °C (32 °F to 99 °F)

Resolution: 0.5 °C (1 °F)

Storage: -20 °C to 50 °C (-4 °F to 122 °F)

Frequency: 2.4 GHz

Transmission power: +20 dBm

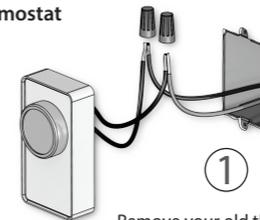
Receiver sensitivity: -108 dBm

Zigbee profil: HA 1.2.

Compatible with an electric heating system such as:

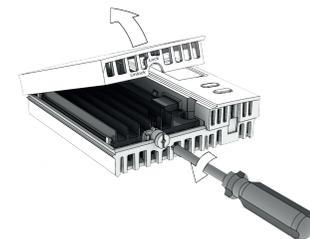
- Electric baseboard heater
- Convactor (short cycle)
- Fan-forced heater (long cycle)

Install your thermostat



Remove your old thermostat. It should be connected on 2 wires.
If you have more than 2 wires, it is recommended to use the services of a certified electrician.

Unlock and lift the thermostat cover.



Power up the thermostat.

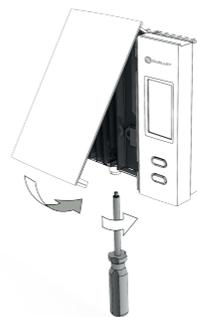
5

Note: For a fan-forced convactor, go to the "Advanced Settings" section to change the control cycle of the thermostat.

Use the provided connectors to connect the two wires of the thermostat to the wires previously connected to your old thermostat.

3

Use the two screws to secure the thermostat to the electrical box.



4

Replace the cover and lock.



Make sure to firmly tighten the wire connectors for a secure connections. A loose connection can be a fire hazard. Special CO/ALR solderless connectors must be used when connecting with aluminum conductors.

Link your thermostat to your gateway

①

Initiate the connectivity session by pressing the  button on the GT130.

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



Connect to your network, the wireless thermostat that is closest to the GT130 by pressing simultaneously the  and  button.

②



On the thermostat display:



Flashes = Connecting
Remains lit = Connected

If the connectivity fails, an error message will appear on the display.

③

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 GT130 to close the connectivity session.



④

Link your network to the application

To link your wireless network to the application, refer to the GT130 installation guide available on our website.



For more information, visit our website at: www.ouellet.com

Advanced Settings

All of the thermostat's settings can be set through the Application.

However, if you have not created your wireless network and need to change the temperature format or the control cycle, you need to:

Get the setpoint to its minimum and hold the  button for 3 seconds to access the setting.



Press the  button to change the setting.

Press and hold the  button for 3 seconds to exit the menu and return to normal display.

Parameters & settings		Default Display
Control Cycle		SHPT Cycle
SHRT	(short cycle for electric baseboard)	
FAN	(long cycle for fan-forced heater)	

Disconnect your thermostat from a Zigbee compatible system

To disconnect your thermostat from the Zigbee compatible system, press the  and  buttons simultaneously for 10 seconds. The  symbol will disappear from the display.

Your GT130 Zigbee Gateway

Refer to the GT130 installation guide for more details.

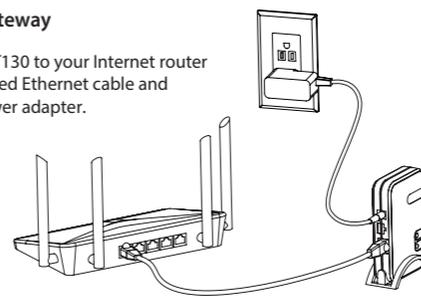


Wireless connectivity status (light)

Flashes green: Ready to add a new device
Green: The network is operational
Red: Refer to website to troubleshoot the unit
Off: Initial state

Install your gateway

Connect your GT130 to your Internet router using the provided Ethernet cable and connect the power adapter.



Transmitter Module IC: 22394-ZBM1501

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.

Three (3) years limited warranty

OUELLET CANADA INC. warrants the components of the OTH4000-ZB against defects in material and workmanship for a three (3) year period from the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. The obligation of Ouellet Canada 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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