

Installer and User Guide
Wireless Communication Thermostat
for Floor Heating System
OTH3600-GA-GT



TECHNICAL SPECIFICATIONS

The OTH3600-GA-GT programmable thermostat is designed to control your floor heating system. The thermostat has an integral ground fault protection (Class A – GFCI) that can detect a leakage current of 5 mA and is equipped with an entry for connecting a temperature sensor which is supplied with the thermostat.

ABOUT YOUR THERMOSTAT

The programmable thermostat has two (2) temperature control modes:

- **A Mode** : Ambient temperature control and possibility of limiting the temperature of the floor using an external temperature sensor.
- **F Mode** : Floor temperature control using an external temperature sensor and possibility of limiting the ambient temperature.

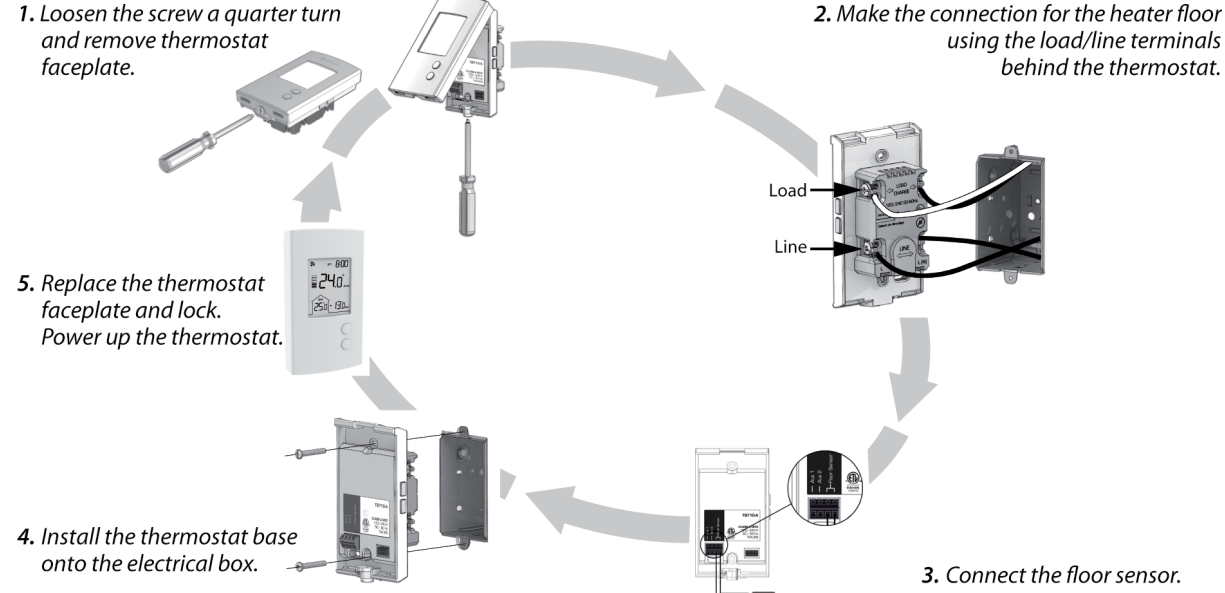
The OTH3600-GA-GT also as an auxiliary contact that can function in 3 different modes. Possibility of controlling supplemental heat sources to be added by either using a slave module for heated floors or using a relay and a low-voltage transformer for an electric heater. The modes are set-up in the installer mode.

- **SLA Mode** (A and F modes): Auxiliary contact for slave module.
- **Shrt Mode** (A mode only): Auxiliary contact on short cycle (15-second). The thermostat controls the ambient temperature using the heated floor, if the ambient temperature is too cold or the floor is at 100% capacity, the auxiliary contact will close allowing the heater to function and reach the desired temperature.
- **Fan mode** (A mode only): Auxiliary contact on long cycle (15-minute).

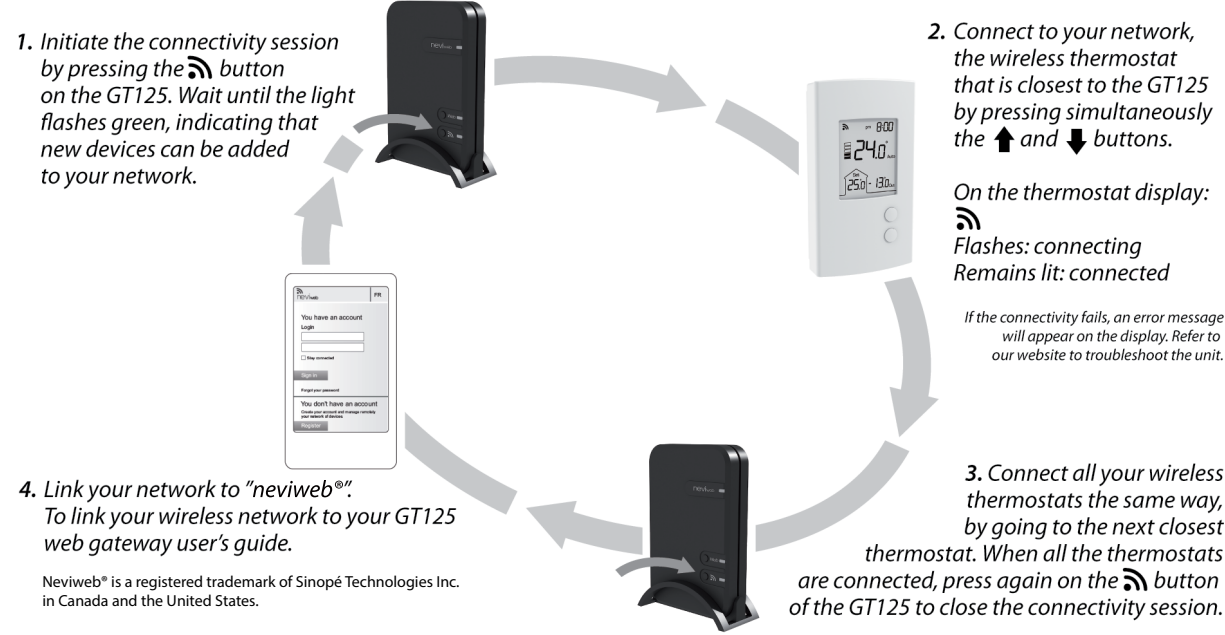
INSTALLATION

Installation must be carried out by a qualified electrician and must comply with local and national electrical codes in effect. Being a valuable Ouellet Canada Inc. customer, we ask that you please cut the power to the heating system from the main power panel to avoid any risk of electric shocks.

INSTALL YOUR THERMOSTAT



LINK YOUR THERMOSTAT TO YOUR GATEWAY



GROUND FAULT PROTECTION

The thermostat is equipped with a ground fault protection that can detect a leakage current of 5 mA. When leakage current 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 flashes red when the ground fault protection is triggered. If the RESET button warning light comes on during normal operation of thermostat, simply reset the ground fault protection.

To reset the ground fault protection after the device is triggered, press the RESET button. The RESET warning light goes out. If for any reason this situation recurs, cut the power to the heating system from the main power panel and ask a qualified electrician to verify the installation.

TESTING THE GROUND FAULT PROTECTION

This test should be performed on a monthly basis to ensure the proper operation of the ground fault protection.

1. Press the TEST button warning light:
If the red RESET button warning light does not light up, the test has failed. Cut the power to the heating system from the main power panel and ask a qualified electrician to verify the installation. If the warning light lights up, proceed to step 2.
2. Press the RESET button to restart the thermostat base.

USER SETTINGS

- To access the settings of the thermostat, lower the set point and press and hold the button ↓ for 3 seconds to access the menu.
- Press the button ↑ to change the setting.
- Press the buttons ↓↑ simultaneously to select the next setting.
- Press and hold the buttons ↓↑ simultaneously for 3 seconds to exit the menu and return to the normal display.

Settings display order

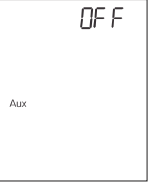
A Mode: 1, 2, 3, 4, 5.

F Mode: 1, 2, 4, 5.

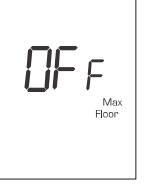
1. Select the control mode: A (ambient) or F (floor) (Default: A).



2. Assignment of auxiliary output
OFF, Shrt, Long, Slave (Default: OFF)



3. Maximum floor temperature
5 °C to 36 °C (Default: OFF)



4. Floor sensor 10K or 12K (default 10K)



7. Load power 0W to 3600W



POWER FAILURE

Note: The following applies only if the thermostat was on for a minimum of 2 hours before the power failure occurred.
In case of power failure, the screen goes blank. The thermostat saves the settings and recovers the settings in place prior to failure after power is restored.

TROUBLESHOOTING

Error codes

- E1**: The thermostat temperature sensor is defective (open).
- E2**: The thermostat temperature sensor is defective (short circuit).
- OL**: The thermostat has overheated; make sure the load is less than 15 amperes.
- HH**: The thermostat temperature sensor has detected a temperature above the setpoint range (too hot).
- LL**: The thermostat temperature sensor has detected a temperature below the setpoint range (too cold).

TROUBLESHOOTING (cont.)

- E1F**: The floor temperature sensor is defective or not connected (open).
- E2F**: The floor temperature sensor is defective (short circuit). Make sure there is no short circuit in the sensor connector.
- HHF**: The floor temperature sensor has detected a temperature above the setpoint range (too hot).
- LLF**: The floor temperature sensor has detected a temperature below the setpoint range (too cold).

TECHNICAL DATA SHEET

OTH3600-GA-GT
Voltage: 120/208/240VAC, 50/60 Hz
Maximum load: 15A/1800W @ 120V, 15A/3120W @ 208V, 15A/3600W @ 240V
Temperature control range: 5 °C to 36 °C (41 °F to 97 °F)
Temperature display range: 0°C to 70°C (32 °F to 158 °F)
Resolution: 0.5 °C or 1 °F
Storage temperature: -20 °C to 50 °C (-4 °F to 122 °F)
Auxiliary contact: 0.1A @ 24VAC

This product must be installed with the manufacturer floor temperature sensor.

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.

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.

WARRANTY

The manufacturer warrants the components of the OTH3600-GA-GT against defects in material and workmanship for a five (5) 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 the manufacturer, 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.

CUSTOMER SERVICE

If you have any questions about this product, please contact our technical support team:
Ouellet Canada Inc.: 1 800 463-7043 • info@ouellet.com
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