



STRATA_HEAT™

Programmable LCD Thermostat User Manual



Model: 0804-0402-TW



DISCONNECT MAIN POWER SUPPLY AT THE BOARD BEFORE PROCEEDING

To avoid risk of electric shock and injury, disconnect all power coming to the heater(s) and thermostat at the main service panel before installing the thermostat. All wiring must conform to local and national electrical codes and ordinances. Installation must be carried out by qualified personnel.

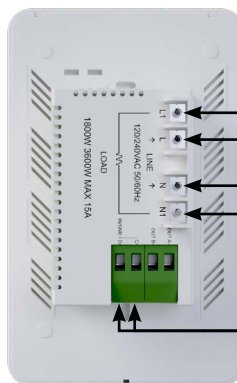


Scan for additional product information.

INSTALLATION

- Loosen, but do not remove, the screw at the bottom of the thermostat Face.
- Lift upwards from the bottom to separate the front Face from the rear Power Module.
- Wire the main power supply and heater cables as indicated on the rear of the Power Module (shown below).
 - Wire diameter: 12 to 22 AWG
- Wire the floor sensor to IN/SNR of Power Module.
 - It does not matter which sensor wire goes into which terminal.

DISCONNECT ALL POWER BEFORE INSTALLING THE THERMOSTAT



LOAD - 120V SUPPLY - HOT 120V
 SUPPLY - HOT 120V / NEUTRAL LOAD - 120V / NEUTRAL
 Sensor wire

- Install the rear Power Module into the device box and using set screws.
- Reattach the Face to the Power Module from the top by pressing down until the screw and hole align. Re-tighten the screw to hold the Face in place.
- Reconnect the main power and test the GFCI function before using the thermostat.

GROUND FAULT CIRCUIT INTERRUPTER (GFCI)

This thermostat has an integrated GFCI to protect users from injury due to electric shock. It is important to **test the GFCI function every month** using these steps:

- Confirm that the thermostat is powered on.
- Press and release (do not hold) the TEST button on the top right of the thermostat:
 - GFCI function is **normal** if a red light appears and *Ground Fault* message appears on the screen.
 - GFCI function is **faulty** if there is no response; contact your installer or electrician immediately.
- If the GFCI function is normal, then press the RESET button on the top left of the thermostat. The red light should turn off and the screen should return to normal operating mode.
 - If during normal use the red light and GROUND FAULT message appear, you should check if the ground fault is present by pressing the RESET button. If the thermostat does not reset to normal, it means that ground fault has occurred and you contact your installer or electrician immediately.
 - If the red light turns off but the screen shows the shut-down status, it is nuisance tripping.

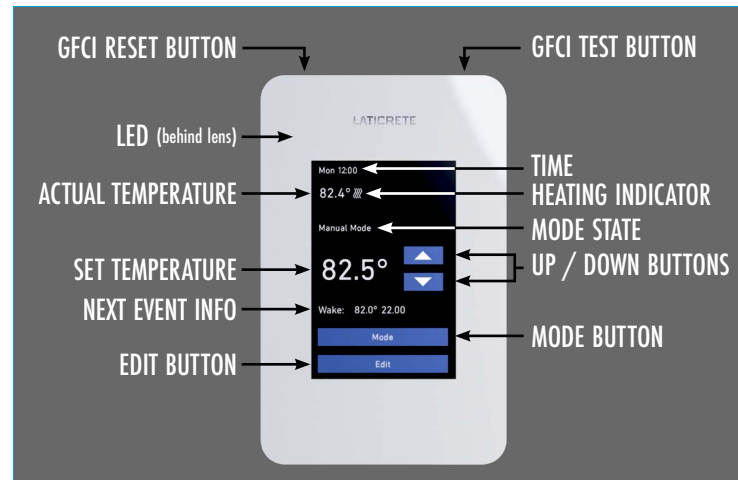
THERMOSTAT SPECIFICATION & CLASSIFICATION

This thermostat is a Class II device with reinforced insulation, and is designed to control electrical floor heating per the specifications below. The floor heating specification must match the supply voltage and the total combined load of the heaters must not exceed 15 Amps.

Supply voltage: 120/240 VAC - 50/60 Hz
 Load amperage: Maximum 15A - resistive load
 Temperature set point range: 40 to 105°F / 5 to 40°C
 Operating temperature range: 40 to 110°F / 5 to 45°C
 GFCI specification: Class A - 5 mA trip level

GENERAL USE AND OPERATION

Depending on the selected mode, this thermostat controls your floor heating system using either a manual (up/down only) setting, or an automatic weekly program, running in 4 or 2 stages per day, 7 days a week. The default weekly program will work for most people, however you can modify the weekly program settings to suit your specific needs. This thermostat includes an adaptive function where the thermostat begins heating or stops heating ahead of the next programmed event in order to bring the room temperature to the set temperature of the next event time more efficiently. Please note that when you turn the adaptive feature on for the first time, the thermostat will take a few days to learn the precise on and off timing required. Always keep the air vents on the rear of the Power Module clean & free from obstructions such as paint or silicone.



FUNCTIONS AND SETTINGS

Mode selection

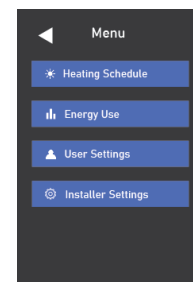
This thermostat provides three operating modes:

- Automatic mode:** Follows the weekly program, adjusting the temperature automatically.
- Manual mode:** Constantly maintains the manually set temperature.
- Frost protection mode:** Constantly maintains a pre-set temperature between 41-59°F (5-15°C). This mode is used quickly set a lower temperature, typically when you are on vacation.
- OFF:** Turns off all thermostat functions but remains powered.

TEMPORARY TEMPERATURE OVERRIDE

To temporarily increase or decrease the temperature when in *Automatic mode*, use UP/DOWN. The temperature will return to the scheduled temperature at the next scheduled event.

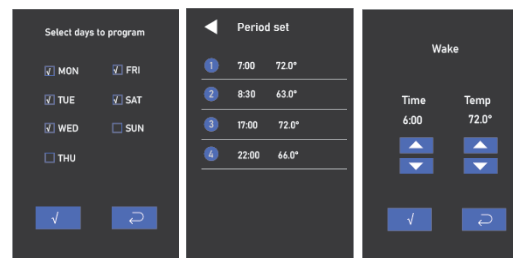
EDIT SELECTION MENU



HEATING SCHEDULE

Assign seven days a week to the following two schedules:

- Individual temperature and schedule settings for selected days
5+1+1 Set temperature for Monday to Friday with separate settings for Saturday and Sunday. To set a schedule, select the days you wish to set, then choose the period, then set the desired start time and temperature for the period. Repeat these steps until your schedule is complete.



ENERGY USE

Shows energy consumption based on the heating time and power. The power figure (the total power of the heaters your thermostat controls) is set in User Settings > Power Set setting.

USER SETTINGS

[Use the arrows at the bottom of the screen to scroll to other User Settings]

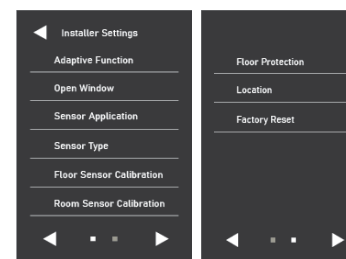
Set Time: Set the thermostat's clock

- Set Date:** Set the thermostat's date
- Child Lock:** Lock all keys to prevent the setting from being changed. (Push/hold UP for 3s to unlock)
- Unit:** Set temperature unit - °F or °C
- Power Set:** Set the system power for Energy Use calculation
- Display Brightness:** Set the screen brightness from 1-9

- Language:** Choose the thermostat language - English/Francais/Espanol
- Daylight Saving Time:** When enabled, the thermostat adjusts automatically to daylight saving time
- Set Backlight Delay:** Choose how long (5-60s) the screen remains bright after the last screen press
- Support:** Shows support contact details
- User Reset:** Resets all users settings to factory default values

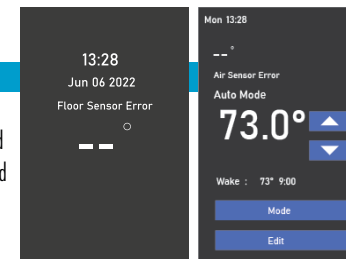
INSTALLER SETTINGS

- Adaptive Function:**
 - ON - Thermostat will reach the scheduled temperature by the scheduled time
 - OFF - Thermostat will activate the scheduled temperature at the scheduled time;
- Open Window:** ON - Thermostat detects an open window (sudden temperature drop) and shuts off heating temporarily to save energy
- Sensor Application:** Choose which sensor is used to control the heating:
 - Room - Uses the built-in air sensor
 - Floor - Uses the floor probe
- Floor Protection:** Uses the air sensor but is limited by a maximum set floor sensor setting (The maximum floor temperature setting is set in the Floor Protection installer setting)
- Sensor Type:** Choose the sensor type if not using the supplied sensor
- Floor Temp. Calibration:** Offset the displayed temperature from the measured temperature
- Room Temp. Calibration:** Offset the displayed temperature from the measured temperature
- Floor Protection:** Set a maximum floor sensor limit - used if your flooring type has a maximum allowed temperature (typically used for wood or vinyl)
- Location:** Choose Home for 4 events per day and Office for 2 events per day
- Factory Reset:** Reset the thermostat to factory settings, ALL settings will be reset.



ROOM SENSOR FAILURE ALARM

If the thermostat does not reset to normal after being power-cycled (power to the thermostat turned off and on), it means that the sensor has failed and you contact your installer or electrician.



MANUAL DEL USUARIO

Suelo radiante Termostato programable
 Modelo: 0804-0402-TW

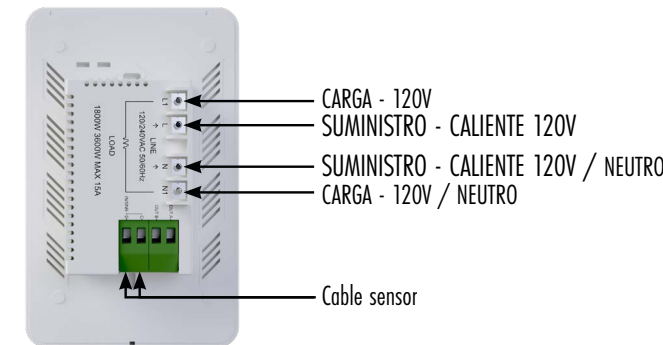
DESCONECTE LA ALIMENTACIÓN DE RED EN LA PLACA ANTES DE PROCEDER

Para evitar el riesgo de descargas eléctricas y lesiones, desconecte toda la energía que llegue al sistema de calefacción y al termostato en el tablero de servicio principal antes de instalar el termostato. Todo el cableado debe cumplir con los códigos y ordenanzas eléctricas locales y nacionales. La instalación debe ser realizada por personal cualificado.

INSTALACIÓN

- Alojépero no lo retire, el tornillo situado en la parte inferior de la cara del termostato. Levante la parte inferior para separar la cara frontal del módulo de potencia trasero.
- Complete el cableado de la fuente de alimentación y del calefactor tal y como se indica en la parte posterior del módulo de potencia (mostrado a continuación). Nota: Diámetro del cable: 12 a 22 AWG
- Conecte el sensor de suelo a IN/SNR del módulo de potencia. Nota: No importa qué cable del sensor va en cada terminal.
- Instale el módulo de potencia trasero en la caja del dispositivo utilizando tornillos de fijación.
- Vuelva a colocar la cara del termostato en el módulo de potencia desde la parte superior presionando hacia abajo hasta que el tornillo y el orificio queden alineados. Vuelva a apretar el tornillo para mantener la cara del termostato en su sitio.
- Vuelva a conectar la alimentación de red y pruebe la función GFCI antes de utilizar el termostato.

INTERRUPTOR DE CIRCUITO POR FALLO A TIERRA (GFCI)



Este termostato termostato tiene un GFCI integrado para proteger a los usuarios de lesiones debidas a descargas eléctricas. Es importante **probar el funcionamiento del GFCI todos los meses** siguiendo estos pasos:

- Confirme que el termostato está encendido.
- Pulse y suelte (no mantenga pulsado) el botón de PRUEBA situado en la parte superior derecha del termostato:
 - La función GFCI es **normal** si aparece una luz roja y "FALLO A TIERRA" en la pantalla.
 - La función GFCI **defectuoso** si no hay respuesta; póngase en contacto con el instalador o electricista inmediatamente.
- Si la función GFCI es normal, pulse el botón RÉINITIALISATION situado en la parte superior izquierda del termostato. La luz roja debería apagarse y la pantalla debería volver al modo de funcionamiento normal.
 - Si durante el uso normal la luz roja y "Fallo a tierra" compruebe si existe un fallo de conexión a tierra pulsando el botón RÉINITIALISATION. Si el termostato no se restablece a la normalidad, significa que se ha producido un fallo a tierra y se debe contactar inmediatamente con el instalador o electricista debe ponerse en contacto inmediatamente con el instalador o electricista.
 - Si la luz roja se apaga pero la pantalla muestra el estado de apagado, se trata de un disparo molesto.

ESPECIFICACIONES Y CLASIFICACION DEL THERMOSTATO

Este termostato termostato es un dispositivo de Clase II con aislamiento reforzado, y está diseñado para controlar la calefacción eléctrica por suelo radiante según las especificaciones que se indican a continuación. La especificación de la calefacción por suelo radiante debe coincidir con la tensión de alimentación y la carga total combinada del sistema de calefacción no debe superar los 15 amperios.

Suministro tensión: 120/240 VCA - 50/60 Hz
 Amperaje de carga: Máximo 15 A - carga resistiva
 Rango de temperatura de consigna: 40 a 105°F / 5 a 40°C
 Rango de temperatura de funcionamiento: 40 a 110°F / 5 a 45°C
 Especificación GFCI: Clase A - nivel de disparo de 5 mA

USO GENERAL Y FUNCIONAMIENTO

Dependiendo del modo seleccionado, este termostato controla el sistema de calefacción por suelo radiante utilizando un ajuste manual (sólo arriba/abajo) o un programa semanal automático, funcionando en 4 ó 2 etapas por día, 7 días a la semana. El programa semanal predeterminado funcionará para la mayoría de las personas, aunque los ajustes del programa semanal pueden modificarse para adaptarse a necesidades específicas. Este termostato incluye una función adaptativa en la que el termostato empieza a calentar o deja de calentar antes del siguiente evento

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