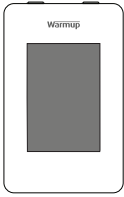


Easy Programmable Thermostat

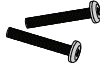
EZPT-04-WH



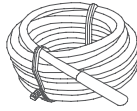
Contents of Pack



x1



x2



x1

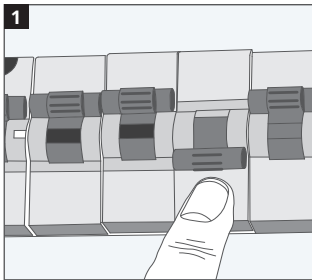
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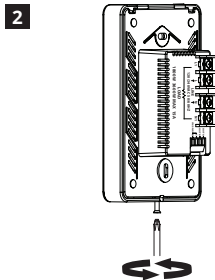
Safety Information

- ❑ This product uses mains voltage electricity and work should only be carried out by a qualified electrician
- ❑ 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.
- ❑ The thermostat should not be put into operation unless you are certain that the entire heating installation complies with current general safety requirements for electrical installations. Electrical installation must be in accordance with latest local electrical wiring code and ordinances.
- ❑ The thermostat and its packaging are not toys; do not allow children to play with them. Small components and packaging present a risk of choking or suffocation.
- ❑ The thermostat is suitable for indoor use only. It must not be exposed to moisture, vibrations, mechanical loads or temperatures outside of its rated values.
- ❑ Install the thermostat in an area with good ventilation. It should not be beside a window/door, in direct sunlight or above another heat generating device (e.g. radiator or TV).

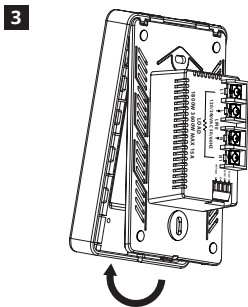
Installation



1
Isolate the thermostat and supply from the mains supply.



2
Loosen, but do not remove, the screw at the bottom of the thermostat face.



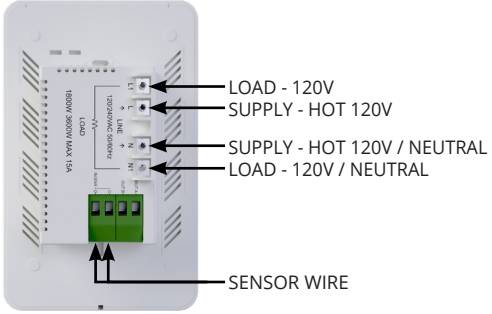
3
Pull the bottom of the thermostat face forwards to separate it from the power module.

Wiring Connections

WARNING!

The thermostat must be installed by a qualified electrician in accordance with the latest local electrical wiring code and ordinances.

Wire the main power supply and heater cables as indicated on the rear of the power module (shown below).



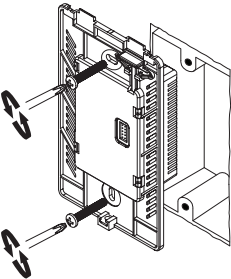
NOTE:

- The power supply must be protected by a Circuit Breaker rated $\leq 20A$.
- Wire diameter: 12 to 22 AWG (size according to NEC or AHJ)
- Wire the floor sensor to IN/SNR of Power Module.
- It does not matter which sensor wire goes into which terminal.



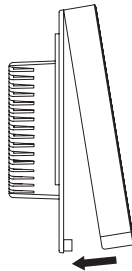
Heater earth connections **MUST** be connected to earth in line with NEC, CEC code.

5



Once wired, install the rear Power Module into the device box and secure using the supplied screws.

6



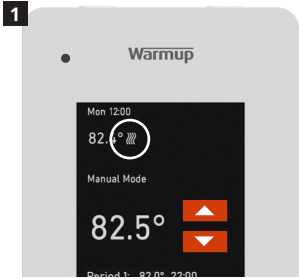
Re-attach the Face to the Power Module from the top, by pressing down until the screw and hole align. Re-tighten the screw to hold the Face in place.

Reconnect the main power and test the GFCI function before using the thermostat.

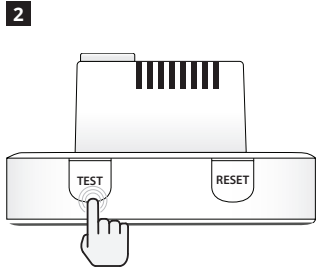
Ground Fault Circuit Interrupter (GFCI)

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:

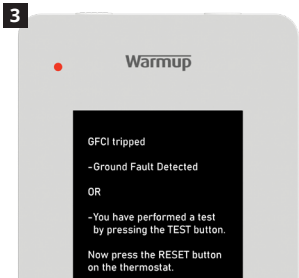


Confirm that the thermostat is powered on and the heating is calling for heat (heater indicator is illuminated).



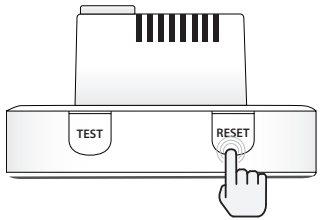
Press and release the "TEST" button on the top of the thermostat:

- 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 the 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.

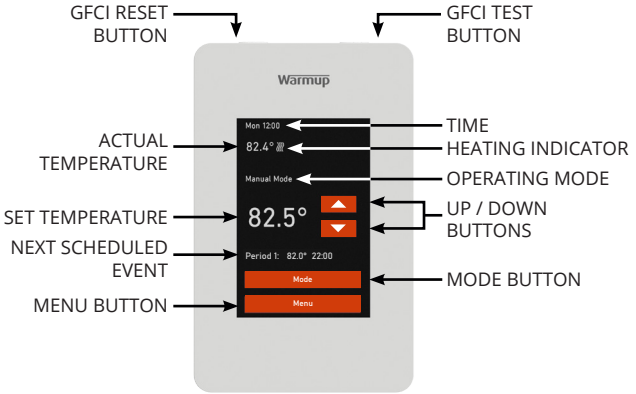
- If the red light and the GROUND FAULT message appears during normal use, press the RESET button. If the thermostat does not reset to normal, it means that ground fault has occurred, contact your installer or electrician immediately.



General Use and Operation



Always keep the air vents on the rear of the Power Module clean & free from obstructions such as paint or silicone.



Getting Started

Depending on the selected mode, this thermostat controls your floor heating system using either a manual (up/down only) setting, or a weekly schedule, running in 4 or 2 periods per day, 7 days a week.

The default schedule will work for most people, however you can modify it to suit your specific needs. The thermostat includes a preheat function. When enabled the thermostat will advance the start time of each heating period by 30 minutes, heating the room ready for use at the scheduled time.

Thermostat Mode

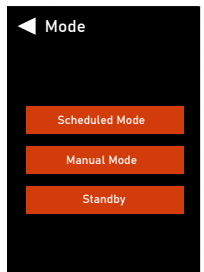
MODE SELECTION

This thermostat provides two operating modes:

Scheduled mode: Follows a weekly heating schedule, adjusting the set temperature at the set times.

Manual mode: Constantly maintains the manually set temperature.

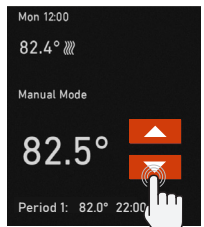
Standby: Puts the thermostat into standby.



TEMPORARY TEMPERATURE OVERRIDE

To temporarily increase or decrease the temperature when in "Scheduled Mode", use the UP/DOWN arrows.

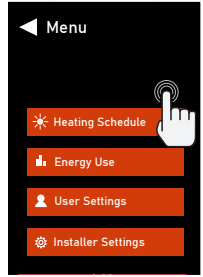
The temperature will return to the scheduled temperature at the next scheduled event.



Thermostat Menu

To create a heating schedule enter the thermostats "Menu" and click "Heating Schedule".

The default weekly program settings satisfies most user scenarios, however you can also modify the weekly program settings in the thermostat.



HEATING SCHEDULE

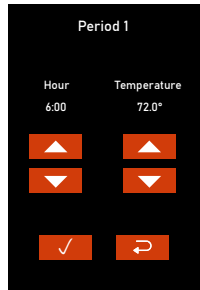
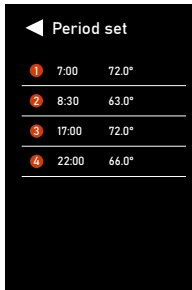
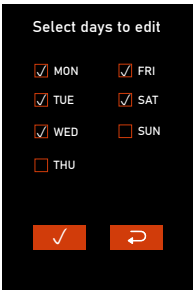
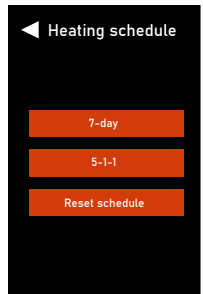
Select how you will enter the heating schedule:

7: Each day of the week has its own schedule

5+1+1: Monday to Friday operate on one schedule, with Saturday and Sunday operating on their own individual schedules.

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.

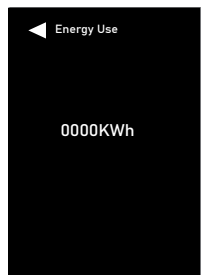
Reset Schedule: Resets the heating schedule back to device defaults.



ENERGY USE

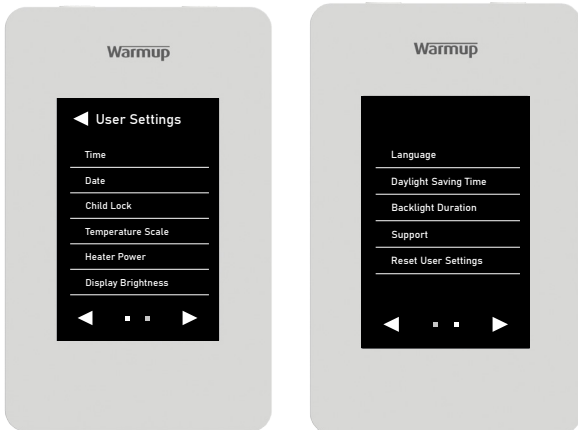
Shows energy consumption based on the heating time and power.

The power figure (the total power of the heaters your thermostat controls) is set in User Settings > Power Set setting.



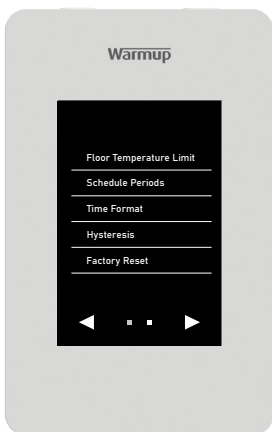
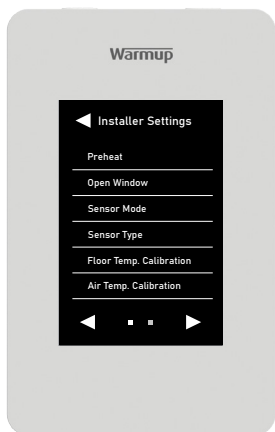
USER SETTINGS

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



Time	Set the thermostat's clock
Date	Set the thermostat's date
Child Lock	Lock all keys to prevent the setting from being changed. (Hold the UP arrow on the homescreen for 3s to unlock)
Temperature Scale	Set temperature unit - °F or °C
Heater Power	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 the time automatically to daylight saving time
Backlight Duration	Choose how long (5-60s) the screen remains bright after the last screen press
Support	Shows support contact details
Reset User Settings	Resets all users settings to factory default values

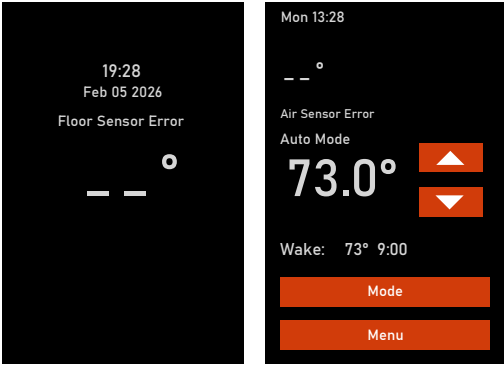
INSTALLER SETTINGS



Preheat	ON - Thermostat will activate the heating 30 minutes before the scheduled start time.
	OFF - Thermostat will activate the heating at the scheduled start time.
Open Window	When ON, if the thermostat detects a sudden temperature drop, it temporarily shuts the heating off to save energy.
Sensor Mode:	Choose which sensor is used to control the heating
Air	- Uses the air sensor
Floor	- Uses the floor probe
Air with Floor Limit	- Uses the air sensor with a maximum temperature limit applied to the floor. (Change the floor limit in Installer Settings > Floor Temperature Limit)
Sensor Type	Choose the sensor type if not using the supplied sensor
Floor Temperature Calibration	Offset the displayed temperature from the measured temperature
Air Temperature Calibration	Offset the displayed temperature from the measured temperature
Floor Temperature Limit	Set the maximum temperature for the floor when the Sensor Mode is set to Air with Floor Limit
Schedule Periods	Choose 2 or 4 heating periods per day
Time Format	[12H/24H]: Select between a 12 and 24 hour clock
Hysteresis	[1-6°]: Set the switching accuracy of the thermostat. Default set at 2°C.
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 please contact your installer or electrician.



Troubleshooting

Display is blank	(Electrician Required) 1. Check the you have 120V or 240V supplied to the junction box. 2. Ensure power supply is connected to the Line side of the thermostat (L/N). 3. Contact your installer for troubleshooting support.
Floor sensor error	(Electrician Required) 1. Check the floor sensor is connected to IN/SNR terminals. 2. Check the floor sensor has a good ohms reading. 3. Contact your installer for troubleshooting support.
Heating occurs at the wrong times	1. Check the scheduled times are set correctly AM/PM. 2. Confirm thermostat is set to the correct date/time. 3. Contact your installer for troubleshooting support.
GFCI is tripped	1. Refer to the GFCI Testing steps noted on page 5. 2. Contact your installer for troubleshooting support
Air sensor error	(Electrician Required) 1. Contact your installer for troubleshooting support

Technical Specifications

Model	EZPT-04-WH
Color	White
Protection	II 
Operating Voltage	120/240 VAC - 50/60 Hz
GFCI specification	Class A - 5 mA trip level
Maximum Load	15A (resistive load)
Temperature Set Point Range	41 to 104°F (+/- 2°F) / 5 to 40°C (+/- 1°C)
Operating Temperature Range	41 to 113°F (+/- 2°F) / 5 to 45°C (+/- 1°C)
Dimensions	(L) 130mm x (W) 81.5mm x (D) 18mm (L) 5.12" x (W) 3.21" x (D) 0.71"
Screen size	3.5"
Sensors	Air & Floor (Ambient)
Sensor Type	10kΩ NTC
Compatibility	Electric Underfloor Heating
Warranty	3 Years
Standards	UL-60730-1 UL-60730-2-9 CAN/CSA-E60730-1 CAN/CSA-E60730-2-9 FCC 47 CFR Part 15, ICES-003/NMB-003
Approval	ETL Intertek

Guarantee

Warmup plc warrants this product, to be free from defects in the workmanship or materials, under normal use and service, for a period of three (3) years from the date of purchase by the consumer when installed with a Warmup heater.



If at any time during the warranty period the product is determined to be defective, Warmup shall repair or replace it, at Warmup's option. If the product is defective, please either;

Return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it, or Contact Warmup. Warmup will determine whether the product should be returned or replaced.

The three (3) year warranty only applies if the product is registered with Warmup within 30 days after purchase. Registration can be completed online at www.warmup.com

This warranty does not cover removal or re-installation costs and shall not apply if it is shown by Warmup that the defect or malfunction was caused by failure to follow the instruction manuals, incorrect installation or damage which occurred while the product was in the possession of a consumer. Warmup's sole responsibility shall be to repair or replace the product within the terms stated above.

WARMUP SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. THIS WARRANTY IS THE ONLY EXPRESS WARRANTY WARMUP MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE THREE-YEAR DURATION OF THIS WARRANTY.

This Warranty does not affect your statutory rights.

IMPORTANT NOTICES

FCC Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

Caution: To maintain compliance with the RF exposure guidelines, place the unit at least 8" (20 cm) from nearby persons.

ICES-003 Compliance

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

ISED Mission Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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