



## Installer Guide

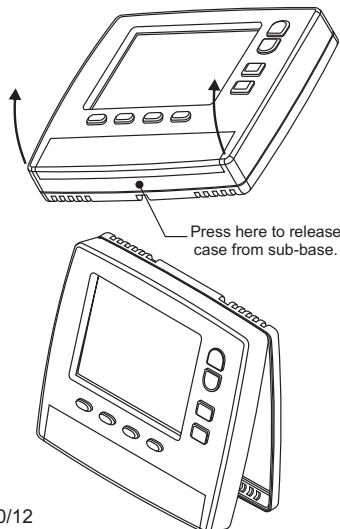
## T200WLZ1 and T200WLZ2 Wireless Zoning Thermostat



System Operation	Off, Heating, Cooling, Auto Heating/Cooling and Emergency Heat for heat pumps.
Fan Control	Automatic or Continuous operation.
Temperature Control	Scheduled operation, Temporary Hold or Permanent Hold.
Programs	Four per day, 7-day programmable.
Compatible Systems	Gas/electric, heat pumps, single or multi-stage depending on HVAC module used.
LCD Display	Large LCD display, blue backlighting.
Communication	Wireless, 915MHz, proprietary protocol.
Range	More than 100 feet in a structure.
Compatible Panels	eWL4 wireless zoning panel.
Housing	Molded plastic case.
T200WLZ1 Power	Battery powered, two AA batteries. Batteries install from front of thermostat.
T200WLZ2 Power	Powered from the eWU4 panel with two AA batteries used for backup.
Dimensions	4.95 x 4.40 x 1.05 inches (WHD)

### 1 Remove the Sub-base Before Installation

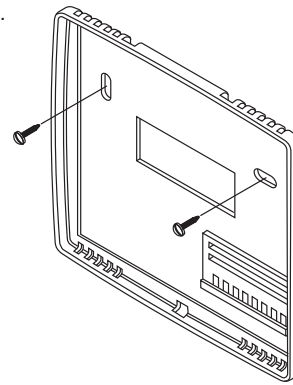
Hold the sub-base with one hand, press the case as shown below and pull the bottom of the thermostat from the sub-base.



### 2 Installing the Sub-Base

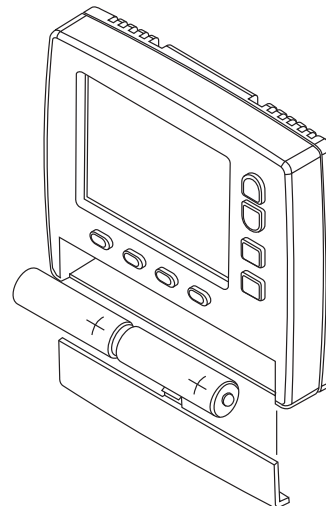
The thermostat can be installed on any interior wall approximately 5 feet above the floor. To insure accurate reading of the space temperature, the thermostat should not be in direct sunlight.

Install the sub-base using two #8 or #6 sheet metal screws with wall anchors where required. Level the thermostat for appearance.



### 3 Installing the Batteries

Slide the battery cover off and install two AA lithium or alkaline batteries. Install the batteries with the positive terminals to the right as shown. Replace the battery cover.



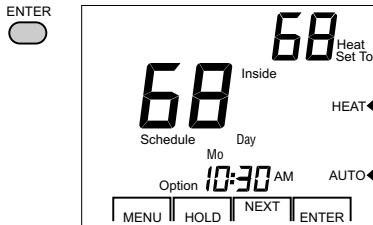
The LCD will display the time of day, the setpoint temperature and the room temperature.

## 4 Accessing the Installation Options

The installer options can be accessed by pressing and holding the Enter key for seven seconds. The LCD will display Option 01 for setting the Zone number.

Press and release the Next key to advance to the next option. The LCD will advance to Option 12 and return to Option 01. Press the Cancel key to exit the option selections. Press the Enter key to save all options in non-volatile flash ram.

Press ENTER for 7 seconds.



Option	Description
01	Zone number Range 1 to 4 Default 1
02	Address number Range 1 to 7 Default 1
03	Equipment type Range 00- G/E 01- Heat Pump Default 00- G/E
04	Heat/Cool Setpoint Differential Range 2 to 6F Default 2F
05	Stage1 Temperature Differential Range 1 to 4F Default 1F
06	Stage 2 Temperature Differential Range 1 to 10F Default 3F
07	Stage 3 Temperature Differential Range 1 to 12F Default 5F
08	Stage 4 Temperature Differential Range 1 to 12F Default 5F
09	Maximum allowable heating setpoint Range 60 to 85F Default 85F
10	Minimum allowable cooling setpoint Range 55 to 80F Default 65F
11	Minimum Off Time Range 1 to 9 minutes Default 0 minutes
12	Minimum Run Time Range 1 to 9 minutes Default 0 minutes

## 501 Option 01 Setting the Zone Number Default= 01

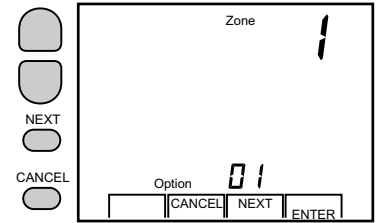
Use the Up and Down keys to set the Zone number for the thermostat. The Zone number can be set from 1 to 4.

Press Up or Down key to change zone number.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 502 Option 02 Setting the Home Number Default= 01

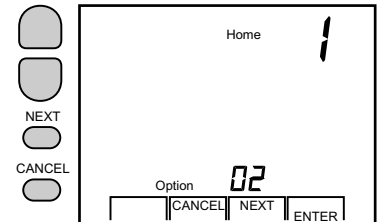
The Home address is used to distinguish between installations that are less than 500 feet away. This allows neighbors, different departments or floors to use the wireless thermostats and not interfere with each other. Skip to Setting Option 03 if no other users are nearby.

Press Up or Down key to change home number.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 503 Option 03 Selecting equipment Type Default= Gas/Electric

HVAC Control Module with the appropriate output terminals can be set for either gas/electric or heat pump operation.

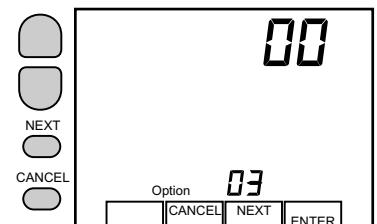
Press the Up or Down key to select 00- Gas/Electric or 01- Heat Pump operation.

Press Up or Down key to toggle between 00 for GE or 01 for HP operation.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 504 Option 04 Setting Heat/Cool Setpoint Temp Differential. Default=2F

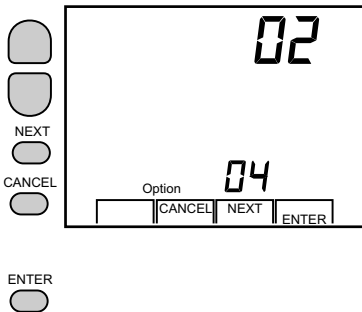
The Heat/Cool temperature differential prevents the heating setpoint from being set above or too close to the cooling setpoint, resulting in inadvertent cycling between heating and cooling.

Press Up or Down key to change heating/cooling setpoint differential.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 505 Option 05 Setting Stage1 Differential Default= 1F

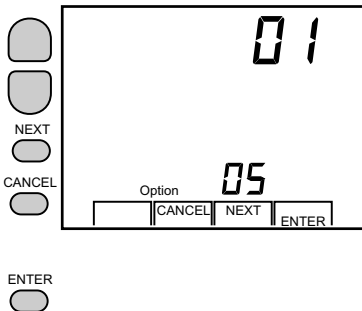
Stage1 temperature differential determines the sensitivity of the thermostat. A lower differential will cause the thermostat to cycle more often with smaller temperature swings. If the temperature differential between indoor temperature and setpoint temperature is greater than the Stage1 Temperature Differential, first stage heating or cooling will be activated.

Press Up or Down key to change stage1 call temperature differential.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 506 Option 06 Setting Stage2 Differential. Default= 3F

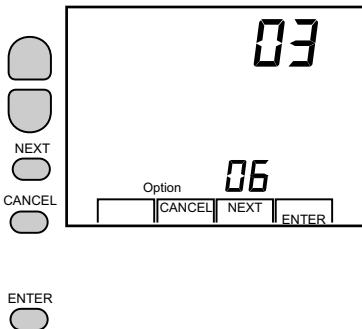
The Stage2 Temperature Differential determines when the equipment advances from first to second stage. If the temperature differential between indoor temperature and setpoint exceeds the Stage2 Temperature Differential, the equipment activates second stage heating or cooling.

Press Up or Down key to change stage2 call temperature differential.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 507 Option 07 Setting Stage3 Differential Default= 5F

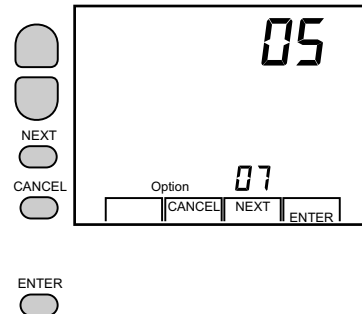
The Stage3 Temperature Differential determines when the equipment advances from second to third stage. Setting the differential temperatures the same for Stage2 and Stage3 different turns second and third stage on at the same indoor temperature. The Stage3 Temperature Differential cannot be set below the Stage2 differential.

Press Up or Down key to change stage3 call temperature differential.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 508 Option 08 Setting Stage4 Differential Default= 5F

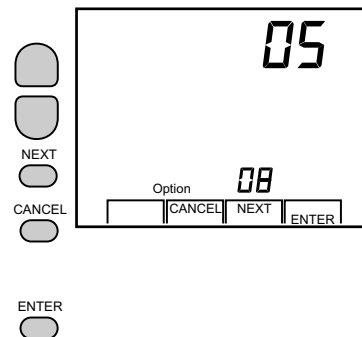
The Stage4 Temperature Differential determines when the equipment advances from third to fourth stage. Setting the differential temperatures the same for Stage3 and Stage4 turns third and fourth stage on at the same indoor temperature. The Stage4 Temperature Differential cannot be set below the Stage3 differential.

Press Up or Down key to change stage4 call temperature differential.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 509 Option 09 Setting Maximum Heating Setpoint. Default=85F

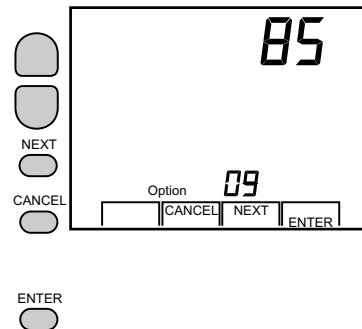
The maximum heating setpoint the user can set is 60 to 85F.

Press Up or Down key to change maximum allowable heating setpoint temperature.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



## 510 Option 10 Setting Minimum Cooling setpoint. Default=65F

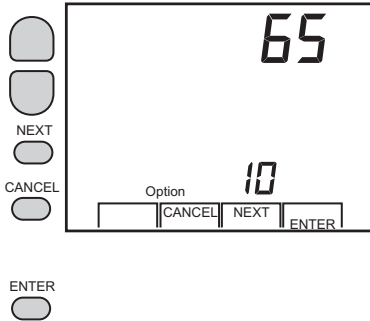
The minimum cooling setpoint the user can set is 55 to 80F.

Press Up or Down key to change lowest allowable cooling setpoint temperature.

Press NEXT key to continue.

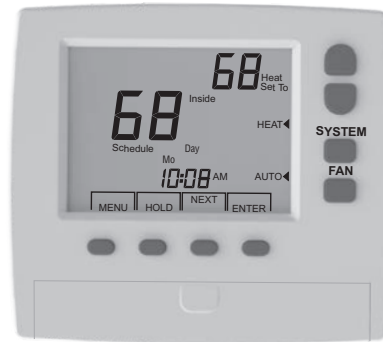
Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.

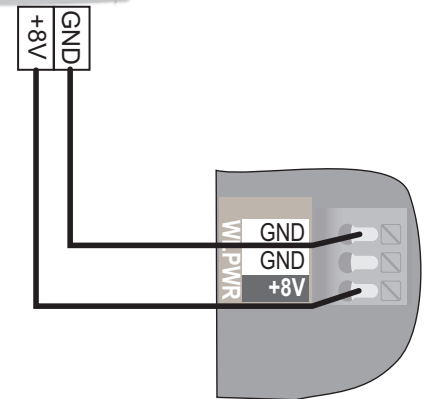


## 601 T200WLZ2 Power Wiring

The T200WLZ2 can be used in Zone1 and powered from the panel using two of the existing thermostat wires. This insures reliable control of the system should the user fail to change the thermostat batteries.



T200WLZ2 Thermostat



## 511 Option 11 Setting Minimum Off Time Default= 0 minutes

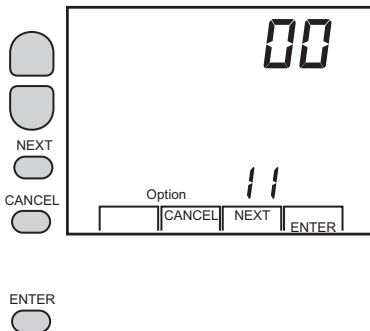
The minimum Off time prevents the compressor from restarting too quickly. Large HVAC systems should use a longer Off time. The minimum Off time and the minimum Run time also influence the cycling rate.

Press Up or Down key to change the minimum system off time in minutes.

Press NEXT key to continue.

Press CANCEL key to return to normal thermostat operation without saving the changes.

Press ENTER key to save the changes to flash memory and return to normal thermostat operation.



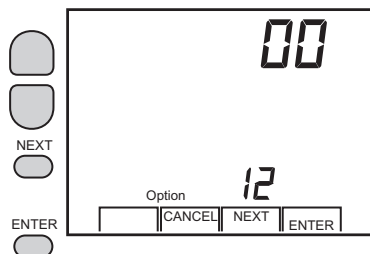
## 512 Option 12 Setting Minimum Run Time Default =0 minutes

The Minimum Run Time influences the cycling rate and helps to evaporate condensation in heat ex-changers.

Press Up or Down key to change the minimum system run time in minutes.

Press NEXT key to return to Option 01.

Or press ENTER key to save your selections.



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