GE APPLIANCES

THERMOSTAT

Wireless Thermostat with Occupancy Sensor

OWNER'S MANUAL & INSTALLATION INSTRUCTIONS

RAK180W1

49-5000416 Rev. 0 06-19 GEA

THANK YOU FOR MAKING GE APPLIANCES A PART OF YOUR HOME.

Whether you grew up with GE Appliances, or this is your first, we're happy to have you in the family.

We take pride in the craftsmanship, innovation and design that goes into every GE Appliances product, and we think you will too.

GE APPLIANCES

Table of Contents

IMPORTANT SAFETY INFORMATION
READ ALL INSTRUCTIONS BEFORE USING

⚠WARNING

FIRE AND SHOCK HAZARD

- **Always turn off power at the main power supply before installing, cleaning or removing the thermostat. Failure to do so could result in electrical shock hazard.**
- **Do not use on voltages over 30 VAC. Higher voltages will damage the thermostat and could cause shock or fire hazard.**

NOTICE

- **All wiring must conform to local and national electrical and building codes.**
- **Use this thermostat only as described in this manual.**

Specifications.

Electrical rating: • 24 VAC (18–30 VAC)
• 1 amp maximum per terminal
• 4 amp maximum total load

Operating temperature range: 40°F–99°F (4°C–37°C)

System Configurations:

* 1 stage cool, 2 stage heat (heat pump/resistance heat)
  1 stage cool, 1 stage heat (resistance heat)

Terminations: *R, C, W, Y, GH, GL, B for 2-stage heat
R, C, W, Y, GH, GL, for 1-stage heat

Wiring: Maximum wiring length is 66ft (20 meters) for AWG18
Maximum wiring length is 60ft (18 meters) for AWG20

*Default setting

Before You Begin

- Determine the appropriate installation location for the thermostat

> The thermostat should face the bed area of the room.
>
> The thermostat must not be installed near or on metal structures or surfaces including metal air ducting that may be in the wall.
>
> Metal structures and surfaces significantly reduce the range of the wireless signal.

A. Refer to the Zoneline Owner's Manual to change the AUX setting to 6A (class 2 mode). The unit will display "use wall thermostat" when finished.

B. Zoneline output is 24VAC. Be sure the jumper on the wireless control card is on the AC position – jumper is connecting "R" and "C" (common) pins. This is the default position.

Other Zoneline Auxilary Control Settings for use with *DBM & *EBM Models

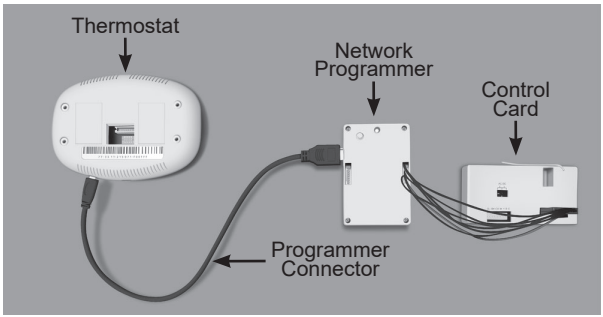
- Mode E: Enables Zoneline Makeup air vent door control based on occupancy; default is off and mode must be turned on to utilize this feature.
- Refer to the Zonelines Owner's Manual for instructions on how to change this AUX setting/mode.

NETWORK INSTALLATION ONLY

NOTE: This section is not required unless the thermostats are networked

Pairing the Thermostat and the Control Card:

In case of Network Installation with online management, the thermostat and the Control Card must be paired with a Network Programmer specific to the property before the installation. Note: Thermostat and Control Card are factory paired.



The thermostat and control card must not be powered during the pairing procedure - remove batteries from the thermostat and unplug the control card from the HVAC unit during the pairing procedure.

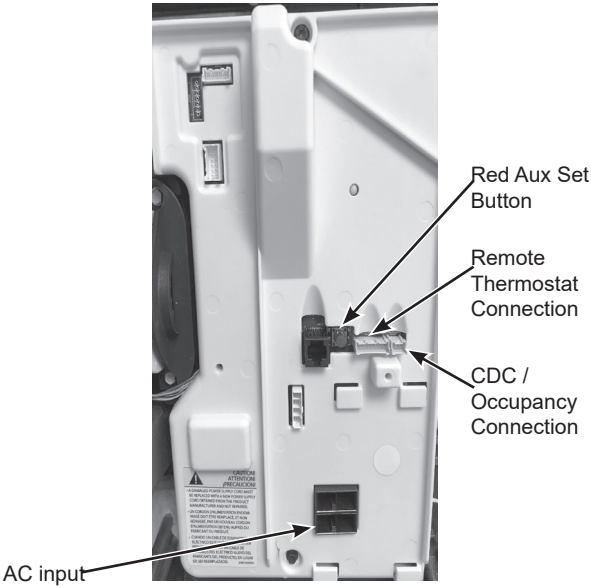
- Plug one programmer connector into the thermostat;
- Plug the other programmer connector into the control card.
- Push the black button on the programmer.
- The red light on the programmer should turn on and remain steadily lit.
- If the red light on the programmer is blinking or is not steadily lit, unplug the programmer from the thermostat and the control card and repeat the steps above.
- Unplug the programmer from the thermostat and the control card.

Thermostat Installation

Installing the Wireless Control Card

- Power off the Zoneline
- Insert the Control Card wiring harness into the thermostat connection port on the front of the Zoneline control box cover.
- For Makeup Air Models (*DBM and *EBM), insert the small connector into the mating CDC Connection port next to the thermostat port. (See Drawing 1)

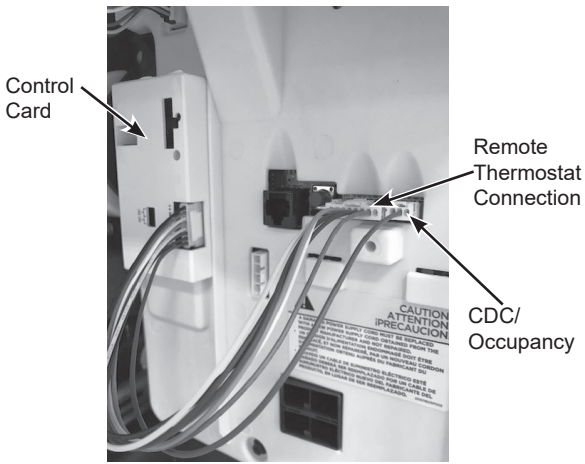
NOTE: If not a Makeup Air Model, **DO NOT** plug in the CDC/ occupancy connection.



Drawing 1

Installing the Wireless Control Card (cont.)

- Using the supplied double sided tape, attach the control card to the Zoneline control box cover. (See Drawing 2) Mount the control card inside of the hvac unit.
  The wireless control card antenna must not be touching any metal components of the hvac unit.
  The wireless control card antenna must face the thermostat on the wall and be oriented so that any metal parts of the Zoneline do not obstruct the wireless communication to the thermostat and, in case of a network installation, to other wireless control cards and the server.
  The wireless control card must not be placed in the Zoneline condensation pan and must be mounted so it cannot fall into the condensation pan.
- For wired applications, join the common and 24VAC wires with any code-approved low voltage field supplied connection method.



Drawing 2

Thermostat Installation

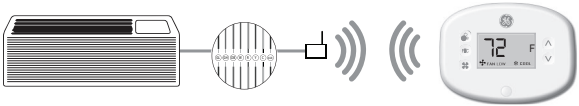
Wiring Table – 24V AC

Wire Color	Terminal Letter	Terminal Connection
Black	C	Common
Red	R	24V
Yellow	Y	Compressor
White	W	Heat
Orange	O or B	Reversing Valve
Green	GH	Fan High
Purple	GL	Fan Low
Brown	AUX	Occupancy

NOTE: If the PTAC unit has only one (1) fan speed, connect both fan control wires – Green and Purple – to the fan terminal (G).

Thermostat Installation

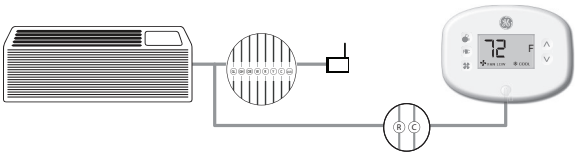
Wireless Installation



Mounting the thermostat to the wall

- Remove the thermostat cover;
- Use the supplied wall anchors and mounting screws to secure the thermostat to the wall;
- Insert two (2) AA-cell batteries (not supplied) into the thermostat battery compartment;
- Follow the “Thermostat Configuration” instructions starting on page 11.
- Replace the thermostat cover and screw in the locking screw.

Wired Installation



Mounting the thermostat to the wall

- Connect R & C from HVAC unit to the corresponding wires on the harness by splicing 24VAC and common wires from the thermostat into the 24VAC and common wires to the zoneline.
- Remove the thermostat cover;
- Use the supplied wall anchors and mounting screws to secure the thermostat to the wall;
- Follow the “Thermostat Configuration” instructions starting on page 11.
- Replace the thermostat cover and screw in the locking screw.

Thermostat Configuration

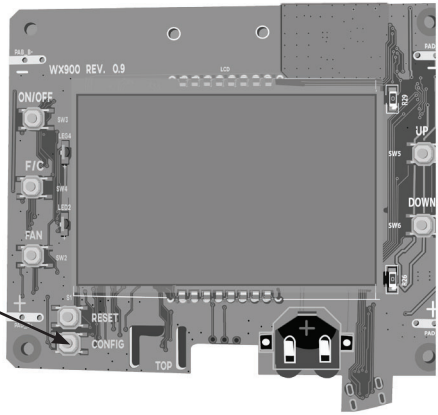
Once the thermostat is powered, thermostat configuration settings will appear on the thermostat screen.

In order to properly operate the HVAC unit:

- Set the thermostat clock
- Enter the room number
- Configure the equipment settings
- Select Energy Savings Preset (Zoneline custom settings are the default).

The thermostat configuration screens have a 30-second time-out. If no action is taken within thirty (30) seconds, the thermostat will exit configuration settings.

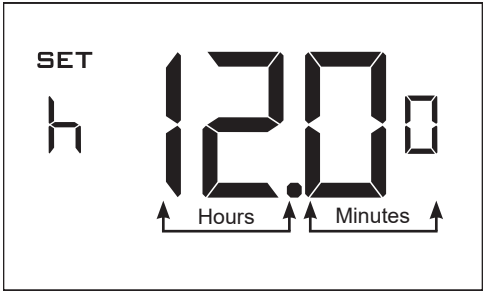
NOTE: You can access Thermostat Configuration settings at any time by pressing the "Configuration" button.



NOTE: If the thermostat is connected to a network, the settings configured online will be applied.

Thermostat Configuration

Setting the thermostat clock



Set the thermostat clock to current time in 24h (Military Time) format.

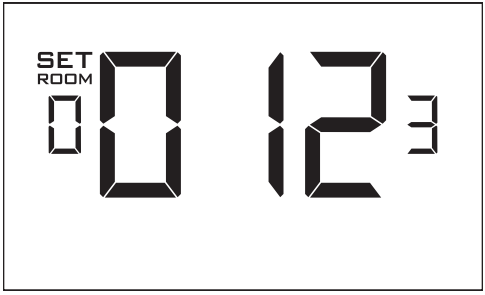
- Use the “Up” and “Down” buttons to set the hours
- Press the “Fan” button to advance to the minutes setting
- Use the “Up” an “Down” buttons to set the minutes
- Press the “F/C” button to advance to the next menu

Setting the clock correctly is crucial for proper operation of the thermostat.

NOTE: The thermostat clock will need to be reset each time the batteries are replaced.

Thermostat Configuration

Entering the room number



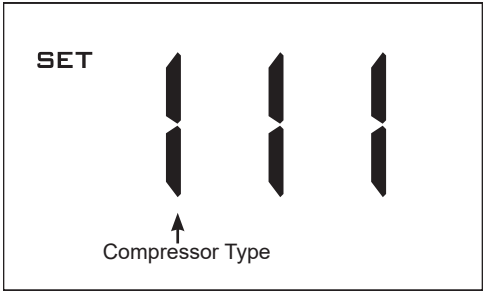
Enter the room number by changing the digits on the screen. Leading zeros “0” preceding other digits will be ignored, i.e. Room number “123” should be entered as “00123”.

- Use the “Up” and “Down” buttons to change the digit;
- Press the “Fan” button to advance to the next digit;
- Press the “F/C” button to advance to the next menu;

Entering the room number correctly is crucial for proper operation of networked systems.

Thermostat Configuration

Configuring the Equipment Settings - Compressor Type



Use the “Up” and “Down” buttons to change the compressor type by changing the first digit

0 - No Compressor

1* - Heat pump

2 - Air Conditioner

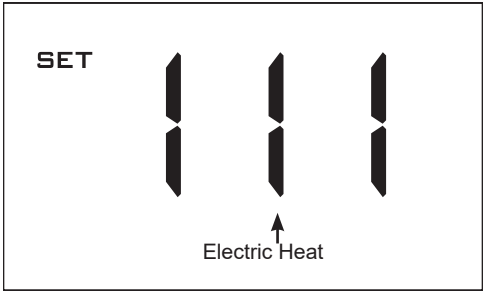
• Press the “Fan” button to advance to the next setting;

* Indicates default setting

NOTE: If the Zoneline is an AZ45 model, change the compressor type to a 2.

Thermostat Configuration

Configuring the Equipment Settings - Electric Heat



Use the “Up” and “Down” buttons to change the Electric Heat setting by changing the second digit;

0 - No Electric Heat- **All Zonelines have Electric heat - Do not select this option.**

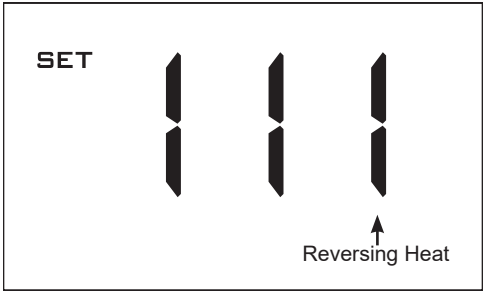
1* - Electric Heat

• Press the “Fan” button to advance to the next setting;

* Indicates default setting

Thermostat Configuration

Configuring the Equipment Settings - Reversing Valve



Use the “Up” and “Down” buttons to change the reversing valve type by changing the first digit

0 - OB contact is energized to cool

1* - OB contact is energized to heat (default operation for Zoneline heat pump models)

Refer to the HVAC unit documentation to determine the correct OB VALVE setting.

If incorrect OB VALVE Setting is selected, the HVAC unit will turn on the heating when air conditioning is requested and turn on the air conditioning when heating is requested.

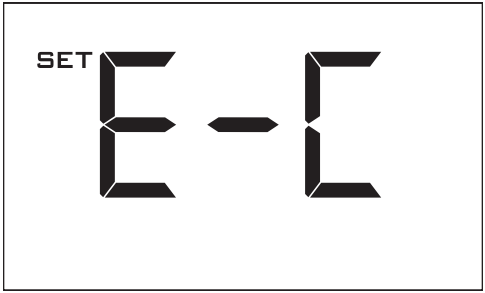
- Press the “F/C” button to advance to the next menu
- Press the “Fan” button to advance to toggle to equipment settings.

* Indicates default setting

NOTE: Zonelines OB is energized in heating mode.

Thermostat Configuration

Configuring the Energy Saving Settings



Use the “Up” and “Down” buttons to select the Energy Saving preset:

E-C*: Custom Energy Savings

- Refer to the APPENDIX 1 on page 48 for Energy Saving Preset details.
- For details on changing the custom settings, refer to the “Custom Energy Savings Settings” section on page 19.

E-0: Energy Savings Off - No Temperature Setback;
E-1: Lowest Energy Savings;
E-2: Lower Energy Savings;
E-3: Standard Energy Savings;
E-4: Higher Energy Savings;
E-5: Highest Energy Savings;

- Press the “Power” button to save the Thermostat Configuration and start using the thermostat.

* Indicates default setting

Thermostat Configuration

Testing the thermostat

Following the thermostat configuration, test if the thermostat is controlling the Zoneline unit.

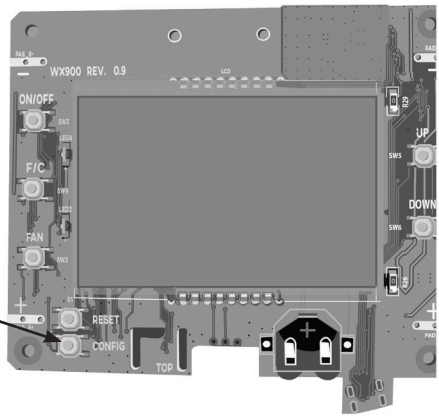
- Press the “Power” button to turn the thermostat ON;
- Press the “Down” button to change the temperature set point below the current room temperature to confirm that the thermostat initiates air conditioning.
- Press the “Up” button to change the temperature set point above the current room temperature to confirm that the thermostat initiates heating.
- Change the fan speed by touching the “Fan” button to test if the thermostat is controlling the fan speed.

Custom Energy Savings Settings

This thermostat comes preprogrammed to use a custom energy setting. To change any of these presets, follow the instructions below.

Accessing the Thermostat Settings

With the thermostat turned on, press and hold the "Configuration" button until the first thermostat settings screen appears. The thermostat must be turned on to access the thermostat settings.



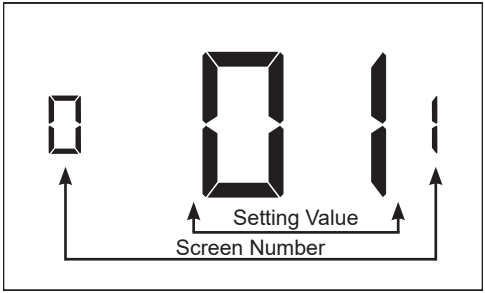
"Configuration" button.

NOTE: If the thermostat is connected to a network, the settings configured online will be applied.

- Use the "Up" and "Down" buttons to change the setting;
- Press the "F/C" button to advance to the next setting;
- Press the "Fan" button to return to the previous setting;
- Press the "Power" button to save and exit thermostat settings.

Custom Energy Savings Settings

Using the Thermostat Settings Screens

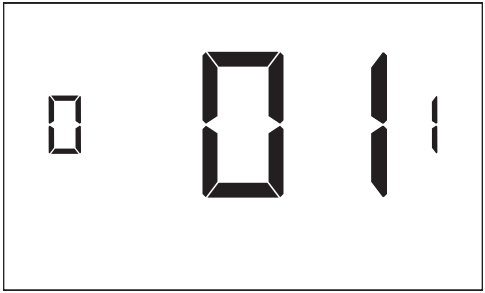


- Use the “Up” and “Down” buttons to change the setting.
- Press the “F/C” button to advance to the next setting.
- Press the “Fan” button to return to the previous setting.
- Press the “Power” button to save and exit thermostat settings.

The above is a representation of how to read the digits on the thermostat screen.

Custom Energy Savings Settings

01 – FAN CONTROL MODE



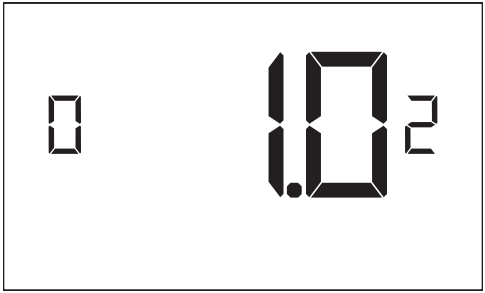
Select Fan Control Mode:

00 - MANUAL - guest can select automatic or continuous fan mode.

01* - AUTOMATIC - fan runs only when there is a demand for heating or air conditioning.

* Indicates default setting.

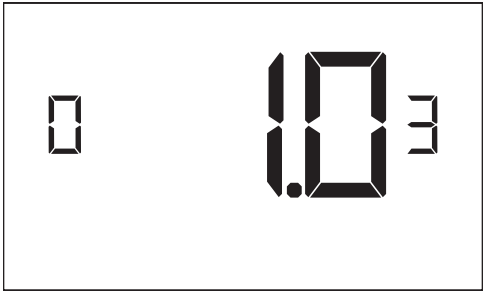
02 – 1ST STAGE DIFFERENTIAL - HEAT



(0.2°F - 3.0°F; 1.0°F* default setting) Select the number of degrees** the thermostat has to sense between the automatic changeover temperature for heat and the room temperature before a call for the 1st stage heating is initiated.

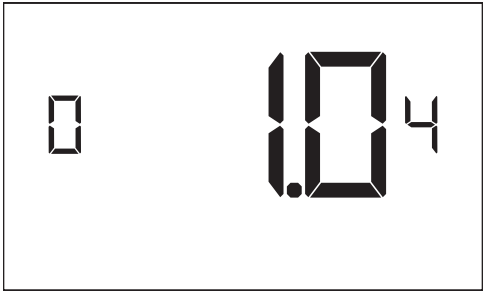
** above the dead band offset (refer to page 40)

03 – 2ND STAGE DIFFERENTIAL - HEAT



(1.0°F - 2.0°F; 1.0°F* default setting) Select the difference between 1st stage heating and 2nd stage heating initiation.

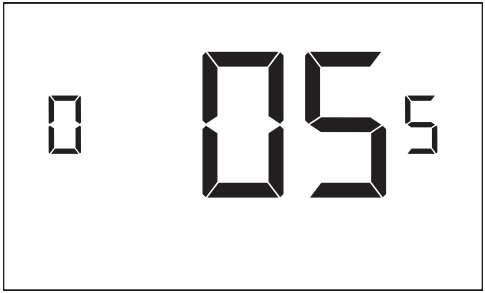
04 – 1ST STAGE DIFFERENTIAL - COOL



(0.2°F - 3.0°F; 1.0°F* default setting) Select the number of degrees** the thermostat has to sense between the automatic for cool and the room temperature before a call for the 1st stage cooling is initiated.

**below the dead band offset (refer to page 40)

05 – INCIDENTAL OCCUPANCY THRESHOLD



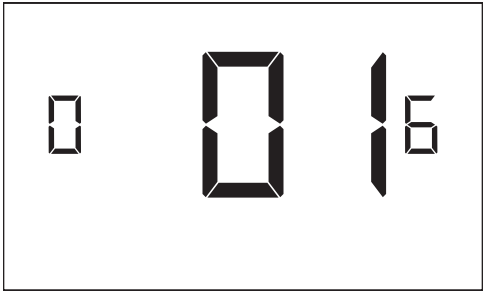
(00 - 60; 05* default setting) Select the minimum period of time (in minutes) for which occupancy needs to be detected to enter the guest occupancy mode.

When occupancy is detected, thermostat will switch to occupied mode for a duration of “Incidental Occupancy Threshold” selected here.

If occupancy is detected for a period of time shorter than the “Incidental Occupancy Threshold” selected here, the thermostat will automatically revert to unoccupied mode at the end of the “Incidental Occupancy Threshold” period and continue to observe energy saving functions that were in effect before the room became occupied. This setting allows ignoring incidental room visits.

If occupancy is detected for a period of time longer than the “Incidental Occupancy Threshold” selected here, the thermostat will enter the guest occupancy mode. When the thermostat is in the guest occupancy mode, it will revert to unoccupied mode and initiate the setback temperature only when occupancy is not detected for the duration of the setback delay (Heat or Cool) period.

06 – NIGHT OCCUPANCY THRESHOLD



(00 - 60; 01* default setting) Select the minimum period of time (in minutes) for which occupancy needs to be detected in order to consider the room occupied during the “Night Occupancy”period.

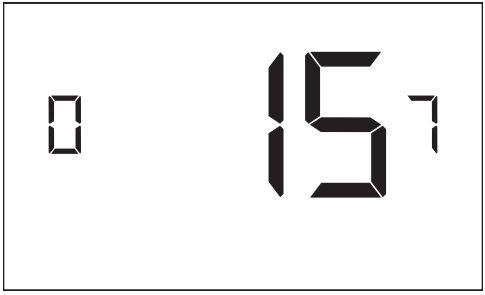
When occupancy is detected during the “Night Occupancy Period” for longer than the “Night Occupancy Threshold” selected here, the thermostat will instantaneously switch to occupied mode.

If occupancy is detected for a period of time shorter than the “Night Occupancy Threshold” selected here, the thermostat will automatically revert to unoccupied mode and continue to observe energy saving functions that were in effect before the room became occupied.

If occupancy is detected for a period of time longer than the “Night Occupancy Threshold” selected here, the thermostat will disable the occupancy sensor and consider the room occupied until the end of the “Night Occupancy” period.

This feature ensures that energy saving functions that may affect guest comfort will not come in effect during the “Night Occupancy” period.

07 – FORCED 2ND STAGE HEATING

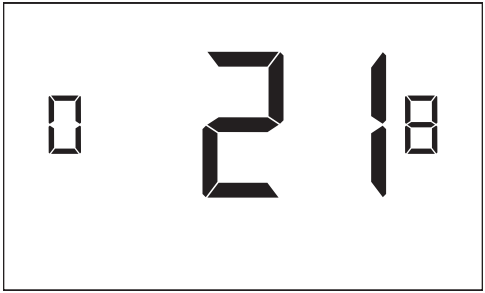


(00 - 60; 15* default setting) Select a number of minutes 1st stage heating will run before 2nd stage heating is automatically initiated if the guest set point is not reached and the 2nd stage heating is not initiated through differential settings.

This feature allows automatically turning on 2nd stage heating to avoid excessive compressor use.

Set to 00 to disable the feature.

08 – NIGHT OCCUPANCY START

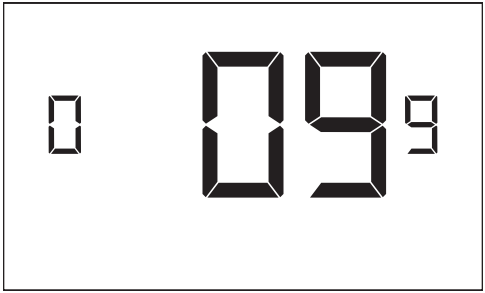


(00 - 23; 21* default setting) Select the start time (in hours - 24-hour clock) for “Night Occupancy”

If occupancy is detected for a period of time longer than the “Night Occupancy Threshold” during “Night Occupancy” period, the thermostat will disable the occupancy sensor and consider the room occupied until the end of the “Night Occupancy” period.

This feature ensures that energy saving functions that may affect guest comfort will not come in effect during the “Night Occupancy” period if room was occupied for a period of time longer than “Night Occupancy Threshold”.

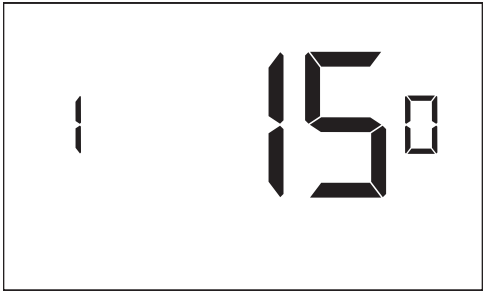
09 – NIGHT OCCUPANCY END



(00 - 23; 09* default setting) Select the time (in hours - 24-hour clock) for “Night Occupancy” to end.

This is the time of day the “Night Occupancy” ends and the thermostat switches back to the room sensing settings chosen in the other occupancy modes.

10 – TEMPERATURE RECOVERY TIME

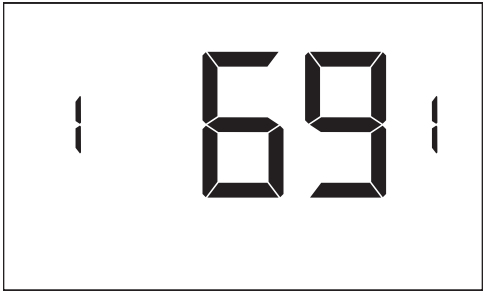


(00 - 60; 15* default setting) Select the maximum time allowed for a HVAC unit to attain temperature as defined by Heat and Cool “Recovery Temperature”.

“Temperature Recovery Time” selected here and the actual temperature recovery ability of the HVAC unit are used to calculate setback temperatures. Calculated setback temperatures maximize energy savings and at the same time ensure that a comfortable room temperature (defined as Heat and Cool “Recovery Temperature”) will be restored within the selected “Temperature Recovery Time”.

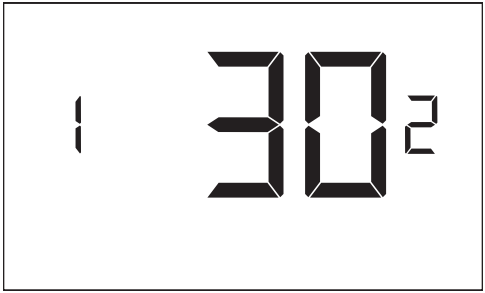
Setting the “Temperature Recovery Time” to “00”, disables temperature recovery. When temperature recovery is disabled, thermostat will use the Minimum and Maximum Setback Temperatures as setback set points.

11 – RECOVERY TEMPERATURE - HEAT



(62°F - 82°F; 69°F* default setting) Select the room temperature in °F that a HVAC unit will have to attain within the selected “Temperature Recovery Time” when there is a need for heating.

12 – TEMPERATURE SETBACK DELAY - HEAT

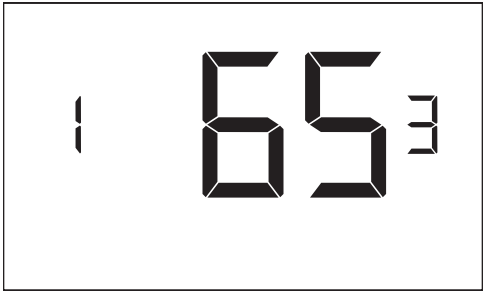


(00 - 120; 30* default setting) Select the time delay (in minutes) for which the room that is in the guest occupancy mode needs to be unoccupied before the temperature setback is initiated.

This feature prevents initiating temperature setback prematurely while the guest is still in the room but in an area where occupancy cannot be detected by the occupancy sensor.

Setting the “Temperature Setback Delay - Heat” to “00”, disables the setback in the heat mode.

13 – MINIMUM SETBACK TEMPERATURE - HEAT



(52°F - 72°F; 65°F* default setting) Select the “Minimum Setback Temperature” in °F.

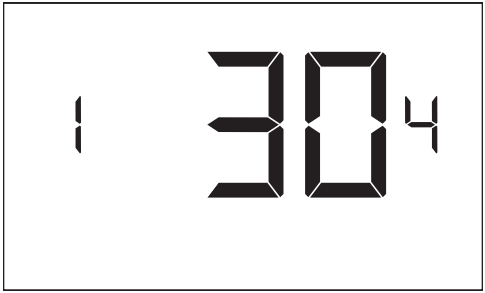
Setback temperature is calculated by measuring HVAC unit’s ability to attain “Recovery Temperature - Heat” within “Temperature Recovery Time”.

If recovery is disabled (“Temperature Recovery Time” is set to “0”) or if setback temperatures have not yet been calculated, the “Minimum Setback Temperature” value will be used as the setback temperature for heating.

If calculated setback temperature for heating is lower than “Minimum Setback Temperature”, then the “Minimum Setback Temperature” will be used as setback temperature for heating.

This feature allows defining the minimum temperature in a room when room is unoccupied and the thermostat is in the setback mode.

14 – TEMPERATURE SETBACK DELAY - COOL

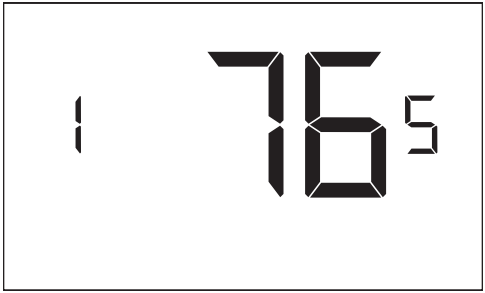


(00 - 120; 30* default setting) Select the time delay (in minutes) for which the room that is in the guest occupancy mode needs to be unoccupied before the temperature setback is initiated.

This feature prevents initiating temperature setback prematurely while the guest is still in the room but in an area where occupancy cannot be detected by the occupancy sensor.

Setting the “Temperature Setback Delay - Cool” to “00”, disables the setback in the cool mode. Set to “00” to disable EMS.

15 – MAXIMUM SETBACK TEMPERATURE - COOL



(72°F - 92°F; 76°F* default setting) Select the “Maximum Setback Temperature” in °F.

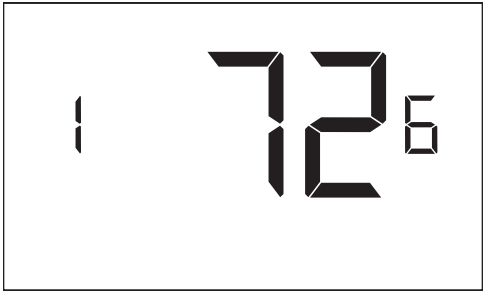
Setback temperature is calculated by measuring HVAC unit’s ability to attain “Recovery Temperature - Cool” within “Temperature Recovery Time”.

If recovery is disabled (“Temperature Recovery Time” is set to “0”) or if setback temperatures have not yet been calculated, the “Maximum Setback Temperature” value will be used as the setback temperature for cooling.

If calculated setback temperature for air conditioning is higher than “Maximum Setback Temperature”, then the “Maximum Setback Temperature” will be used as setback temperature for air conditioning.

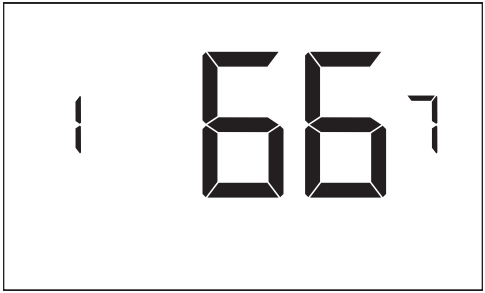
This feature allows defining the maximum temperature in a room when room is unoccupied and the thermostat is in the setback mode.

16 – RECOVERY TEMPERATURE - COOL



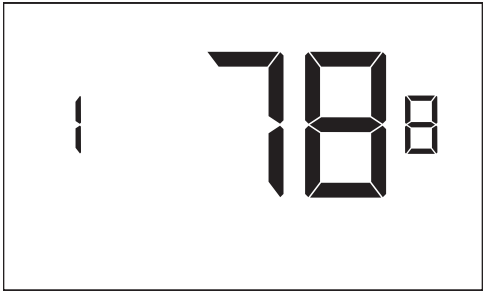
(62°F - 82°F; 72°F* default setting) Select the room temperature in °F that a HVAC unit will have to attain within the selected “Temperature Recovery Time” when there is a need for air conditioning.

17 – MINIMUM SET POINT



(64°F - 84°F; 66°F* default setting) Select the minimum set point in °F that a guest can select.

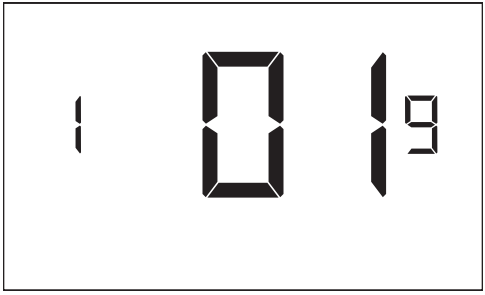
18 – MAXIMUM SET POINT



(60°F - 82°F; 78°F* default setting) Select the maximum set point in °F that a guest can select.

Custom Energy Savings Settings

19 – TEMPERATURE CONTROL MODE



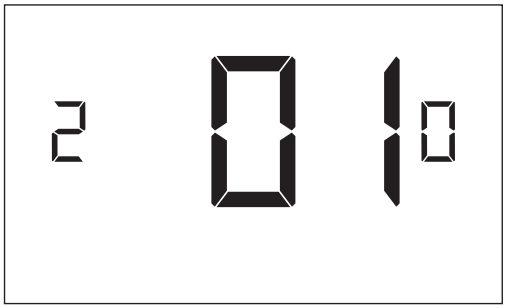
Select Temperature Control Mode:

00 - MANUAL - Allows users to select HEAT only or COOL only temperature control mode to maintain the room temperature.

01* - AUTOMATIC - Thermostat automatically turns on heating or air conditioning to maintain the room temperature at the selected temperature set point.

* Indicates default setting

20 – AUTO CHANGEOVER SET POINT OFFSET (DEAD BAND)



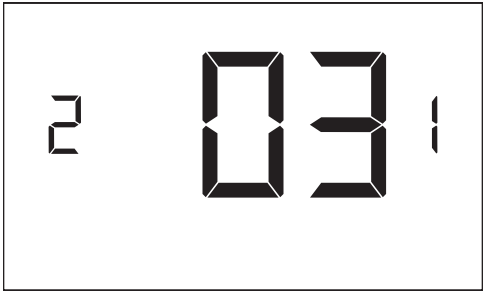
(00°F - 04°F; 01°F* default setting) Select the difference between the guest-selected set point and the heat and the cool set point when the thermostat is in the automatic temperature control mode.

This value plus the 1st stage differential defined in steps 02 and 04, defines the temperature at which the thermostat would automatically change heating/cooling modes.

This feature allows adjusting the dead band between the heat and the cool set points in automatic changeover mode in order to avoid the system from bouncing back and forth between heating and cooling under normal operating conditions.

Custom Energy Savings Settings

21 – SETBACK SET POINTS / AUTO-RESTORE



Select Temperature Control Mode:

00 - When room is unoccupied and the thermostat is in the setback mode or turned off, it will NOT maintain the temperature between heat and cool setback set points.
When guest enters the room, the thermostat will be turned off - it will not automatically restore the most recent guest settings.

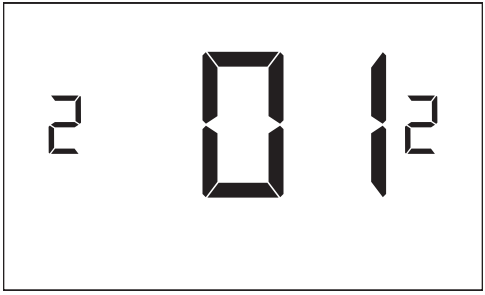
01 - When room is unoccupied and the thermostat is in the setback mode or turned off, it will maintain the temperature between heat and cool setback set points.
When guest enters the room, the thermostat will be turned off - it will not automatically restore the most recent guest settings.

02 - When room is unoccupied and the thermostat is in the setback mode or turned off, it will NOT maintain the temperature between heat and cool setback set points.
When guest enters the room, the thermostat will automatically restore the most recent guest settings.

03* - When room is unoccupied and the thermostat is in the setback mode or turned off, it will maintain the temperature between heat and cool setback set points.
When guest enters the room, the thermostat will automatically restore the most recent guest settings.

* Indicates default setting

22 – AUTOMATIC HUMIDITY CONTROL



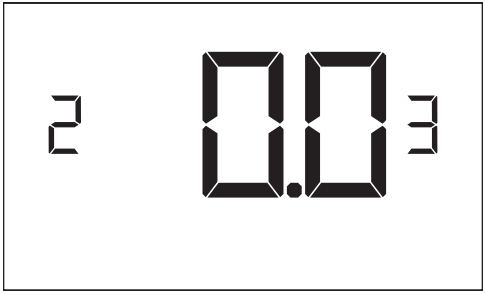
00 - Disable automatic humidity control

01* - Enable automatic humidity control

When “Automatic Humidity Control” is enabled, thermostat will turn on air conditioning in an unoccupied room when humidity raises above 60% and room temperature is above 72°F until either room humidity is below 55% or room temperature is below 72°F.

* Indicates default setting

23 – TEMPERATURE CALIBRATION



(-5.0°F - 5.0°F; 0.0°F* default setting) Calibrate the temperature display: +/- 5.0°F

Thermostat Maintenance

Replacing Thermostat Batteries

The low battery indicator will be displayed on the thermostat screen when it is necessary to replace batteries in the thermostat.

Under normal operating conditions, new brand-name alkaline batteries will last for a period of approximately one (1) year.

Please replace batteries every twelve (12) months to ensure continuous thermostat operation.

To replace thermostat batteries:

- Remove the thermostat cover;
- Replace the two (2) AA-cell batteries (not-supplied);
- Replace the thermostat cover;
- Follow the “Thermostat Configuration” instructions to set the thermostat clock;
- Press the “Power” button to start using the thermostat;

NOTE: The thermostat maintains all the “Thermostat Configuration” settings in a non-volatile memory. There is no need to configure the thermostat again after battery replacement.

NOTE: While batteries are not required in a wired installation, batteries should be installed to prevent re-configuring the time on the thermostat if a power failure occurs.

Troubleshooting

Error Codes

ERR1 - Thermostat Temperature Sensor Hardware Defect

ERR2 - Thermostat Radio Hardware Defect

ERR3 - Thermostat Radio Software Defect

ERR4 - No link with the Wireless Control Card

ERR5 - Thermostat Memory Defect

NOTES:

For ERR1, ERR2, ERR3, and ERR5, call GE Appliances service. (Phone number located in Limited Warranty section on page 50.

For ERR4, reset the configurations starting on page 5.

Troubleshooting

The thermostat is not controlling the HVAC unit.

Check if the HVAC unit is set to “External Thermostat” (Class 2) mode. Refer to Zoneline Owner’s Manual, Aux settings.

Verify the status of the red light on the Wireless Control Card.

- The red light is off

  The Wireless Control Card is not powered. Verify that the Wireless Control Card is properly wired to the HVAC unit-specifically make sure that the RED and the BLACK wire are properly connected.

- If the red light is blinking with one (1) flash.

  The Wireless Control Card is powered but it is not communicating with the thermostat, turn the thermostat off and on to re-initiate the linking procedure.

  In case of a Network Installation, re-link the thermostat and the Wireless Control Card with the Network Programmer.

- The red light is blinking with three (3) flashes.

  The Wireless Control Card is communicating with the thermostat. Verify that the Wireless Control Card is properly wired to the HVAC unit and that equipment settings on a thermostat - compressor type, electric heat and reversing valve - are properly configured.

Initiating a Master Reset

If there are reported errors or configuration issues, the user may master reset the thermostat to its default parameters.

Procedure:

- Remove the faceplate of the thermostat
- Power down the thermostat by either removing the batteries or cutting power to the thermostat.
- While the thermostat is powered off, press and hold the “config” button located on the control board inside the thermostat.
- Restore power to the thermostat by reinstalling the battieries.
- Once the screen lights up, release the “config” button.
- If the master reset was successful, the thermostat will display “12:00”,indicating all settings will be reset to default and the thermostat needs to be re-configured. Please see “configuring thermostat” in the manual on page 9.

Contact GE Appliances technical support at 1-844-GE4-PTAC (or 844-434-7822) if the issues are not resolved.

Appendix 1 - Energy Saving Presets

Screen #		Energy Level						Default Setting
		0	1	2	3	4	5	E-C
01	Fan Control Mode	Auto	Auto	Auto	Auto	Auto	Auto	**Auto**
02	1st Stage Differential Heat	0.5	0.5	0.5	0.5	0.5	0.5	**1.0**
03	2nd Stage Differential Heat	1.0	1.0	1.0	2.0	2.0	2.0	**1.0**
04	1st Stage Differential Cool	0.5	0.5	0.5	0.5	0.5	0.5	**1.0**
05	Guest Occupancy Threshold	00	05	05	05	05	05	**05**
06	Night Occupancy Threshold	01	01	01	01	01	01	**01**
07	Force 2nd Stage Heating After	30	30	30	30	30	30	**15**
08	Night Occupancy Start	18	19	20	21	22	23	**21**
09	Night Occupancy End	12	11	10	9	8	7	**09**
10	Recovery Time	00	15	20	25	30	00	**15**
11	Recovery Temperature Heat	70	69	68	67	66	65	**69**
12	Setback Delay - Heat	00	30	25	20	15	10	**30**
13	Minimum Setback Temperature	67	66	65	64	63	62	**65**
14	Setback Delay - Cool	00	30	25	20	15	10	**30**
15	Maximum Setback Temperature	72	74	76	78	80	82	**76**
16	Recovery Temperature Cool	71	72	73	74	75	76	**72**
17	Minimum Set point	64	64	65	66	67	68	**66**
18	Maximum Set point	82	82	80	78	76	74	**78**
19	Temperature Control Mode	Auto	Auto	Auto	Auto	Auto	Auto	**Auto**
20	Auto Changeover Set Point	01	01	01	01	01	01	**01**
21	Setback Set Points / Auto Restore	OFF	ON	ON	ON	ON	ON	**ON**
22	Automatic Humidity Control	ON	ON	ON	ON	ON	ON	**ON**
23	Temperature Calibration	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**

Technical Specifications

	Thermostat	Wireless Control Card
Case Dimensions (Imperial)	4.015 x 5.5118" x 0.925"	3.875" x 2.125" x 0.75"
Case Dimensions (Metric)	102mm x 140mm x 23.5mm	98mm x 54mm x 19mm
Screen Dimensions (Imperial)	3.625" x 2.125"	N/A
Screen Dimensions (Metric)	92mm x 54mm	N/A
Operating Voltage	3V DC - 2 "AA" Cell Batteries OR(Optional) 24V AC/DC	24V AC/DC
Control Outputs		Fan High (GH)
		Fan Low (GL)
		Compressor (Y)
		Heat Pump (OB)
		Electric Heat (W2)
		Occupancy Out (AUX)
Occupancy Sensor Beam Width	±47° (94°)	N/A
Wireless Frequency	900MHz	900MHz
Temperature Accuracy	±1°F	N/A
FCC ID	XEYWX	XEYV8ACCC

FCC STATEMENT

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Pursuant to part 15.21 of the FCC rules, any changes or modifications to this equipment not expressly approved by GE Appliances may void the user's authority to operate the equipment.

THERMOSTAT LIMITED WARRANTY

Staple your receipt here.
Proof of the original purchase date is needed to validate the warranty.

For The Period Of:	GE Appliances Will Replace:
One Year From the date of the original purchase	**Full Replacement** of the thermostat which fails due to a defect in materials or workmanship.

For help with thermostat troubleshooting, call 1-844-GE4-PTAC (or 844-434-7822)

What GE Appliances Will Not Cover:

- **Service trips to your location.**
- **Improper installation. If you have an installation problem, contact your installer. You are responsible for providing adequate electrical connections to the product.**
- **Failure of the product resulting from modifications to the product or due to unreasonable use, including failure to provide reasonable and necessary maintenance.**
- **In commercial locations, labor necessary to move the unit, after it has been initially installed, to a location where it is accessible for service by an individual technician; or, if the instructions included in this manual have been disregarded.**
- **Replacement of location fuses or the resetting of circuit breakers.**
- **Damage to the product caused by improper power supply voltage, accident, fire, floods or acts of God.**
- **Incidental or consequential damage caused by possible defects with this thermostat.**

EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product exchange as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This limited warranty is extended to the original purchaser and any succeeding owner for products purchased for use within the USA and Canada. In Alaska, the limited warranty excludes the cost of shipping or service calls to your site. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province. To know what your legal rights are, consult your local, state or provincial consumer affairs office or your state's Attorney General.

Warrantor: GE Appliances, Louisville, KY 40225