

Goodman

Air Conditioning & Heating

5+2 Day Programmable Digital Thermostat



**GREAT
FEATURES!**

- 1-Heat & 1-Cool
- Heat Pump Compatible
- Battery or System Powered
- Backlit Digital Display
- Fahrenheit or Celsius
- Service Filter Indicator

Owner's Manual

Thank goodness for Goodman.™

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Safety Warnings

P/N TSTATG1152-2

CAUTION


Follow *Installation Instructions* carefully.

DISCONNECT POWER TO THE HEATER - AIR CONDITIONER BEFORE REMOVING THE OLD THERMOSTAT AND INSTALLING THE NEW THERMOSTAT.

**WARNING****CAUTION**

The two Alkaline “AA” batteries must be replaced at least once every 12 months to ensure proper operation. The Low Battery icon (fig. 1) will appear on the display when it is time to replace the batteries. If the thermostat is connected to 24v power, the batteries should still be installed, but are not required.

**FIG. 1**

When  is displayed the batteries must be replaced immediately. The manufacturer cannot be liable for improper operation of the thermostat if the batteries are not immediately replaced.

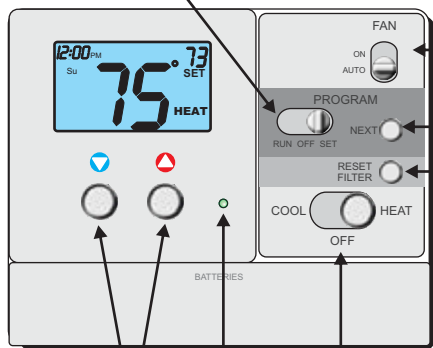
Annual battery replacement is especially critical in locations subject to freezing temperatures. The thermostat will be unable to turn on the heating system if the batteries are exhausted.

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.

Location of Controls

PROGRAM SWITCH

RUN program
Program OFF
SET program



**COOLER &
WARMER
BUTTONS**

BI-COLOR LED

Heat or Cool demand indicator when system powered: Red = Heat
Green = Cool

**MODE
SWITCH**
Cool, Off,
or Heat

FAN SWITCH

On or Auto

NEXT BUTTON

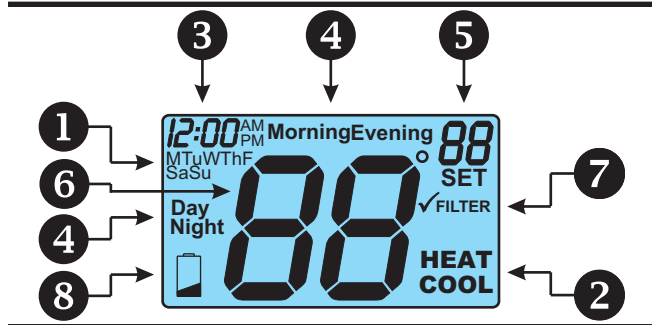
For programming

How to use: The NEXT button is used to advance from one step to the next in the programming and advanced setup screens (pgs 11 - 19).

RESET FILTER

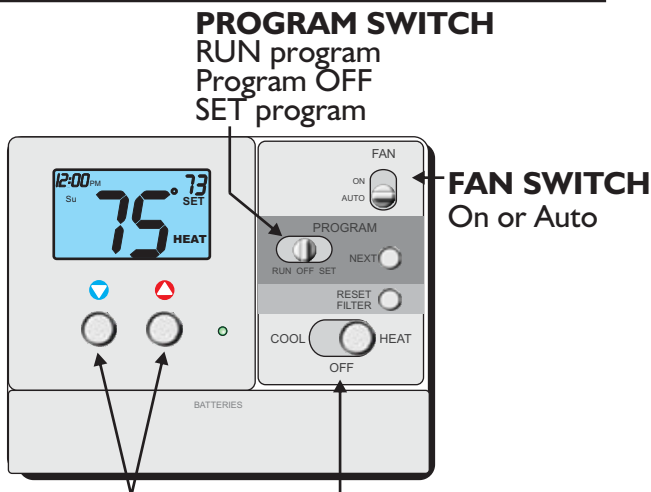
How to Use: Press and hold the RESET FILTER button to clear the ✓FILTER icon from the display (pg 5). To adjust when the ✓FILTER icon appears, see Advanced Setup screens (pg 18).

Display



- 1** Day of the week. When programming, MTuWThF represent the five weekdays and SaSu represent the two weekend days.
- 2** Heat and Cool indicators. In normal operation, Heat or Cool appears, depending on the Mode Switch position. When heat or cool is energized, the Heat or Cool indicator will flash.
- 3** Clock Display.
- 4** Time period indicators. These indicate the part of the program that is currently active, if the Program Switch is positioned to RUN.
- 5** Desired set temperature.
- 6** Current room temperature.
- 7** Indicates when the filter should be serviced. Appears after 0 - 1950 hours of blower operation (adjustable).
- 8** Indicates batteries need replacement.

Normal Operation



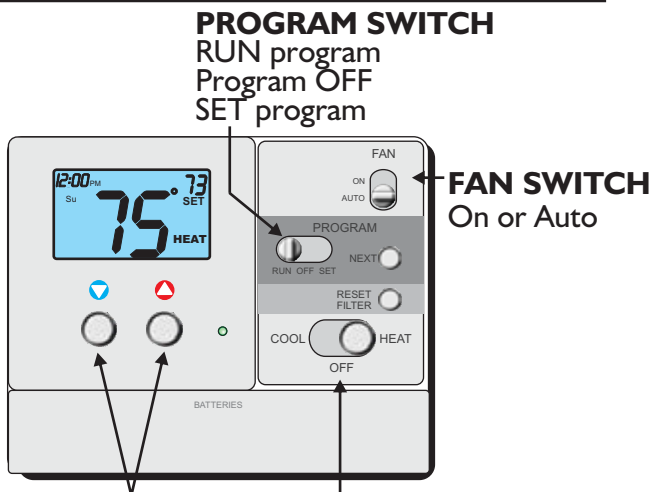
**COOLER & WARMER
 BUTTONS**

MODE SWITCH
 Cool, Off, or Heat

Manual Operation (Program Switch OFF)

- ① Select Cool or Heat with the Mode Switch.
- ② Normally leave the fan switched to Auto.
 In Fan Auto, the fan will turn on only with a heat or cool demand. When Fan On is selected, the fan will run continuously.
- ③ Adjust the desired set temperature with the COOLER and WARMER buttons.

Normal Operation



**COOLER & WARMER
 BUTTONS**

MODE SWITCH
 Cool, Off, or Heat

Programmed Operation

- ① Select Cool or Heat with the Mode Switch.
- ② Select RUN with the Program Switch.
- ③ Normally leave the fan switched to Auto.
 In Fan Auto, the fan will turn on only with a heat or cool demand. When Fan On is selected, the fan will run continuously.
- ④ The desired set temperature may be temporarily overridden. The thermostat will revert to the programmed settings in the following time period.

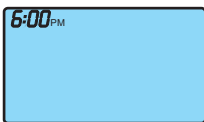
Clock Set



Slide the Program Switch to the SET position.

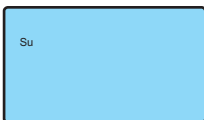
Setting the time & day are the first two steps after sliding the Program Switch to SET.

Press NEXT to advance



Use these buttons to adjust the current time.

To slew the time more rapidly, push and hold the COOLER or WARMER buttons.



Use these buttons to adjust the current day.

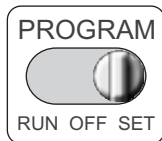
This thermostat is preprogrammed from the factory to operate 1 or 2-Stage equipment without the need for further programming. To optimize the installation of this thermostat follow the instructions in the Advanced Setup section.

Time Period Programming

Overview

PROGRAM SWITCH

- Slide the Program Switch to the SET position.
- The blinking icon(s) on the display may be changed by pressing the COOLER or WARMER buttons.
- After the blinking icon is changed to the desired selection, press the NEXT button.
- Each item in the time period programming screens will flash and can be modified with the COOLER & WARMER buttons.
- Continue the steps above until programming is complete.
- Slide the Program Switch to RUN and the thermostat will run the time period programming.
- If the Program Switch is in the OFF position, the thermostat will not run the time period program. In this case, the thermostat will be a manual heat or cool only thermostat.



Time Period Programming

Weekday Programming



Setting the time & day are the first two steps after sliding the Program Switch to SET (page 8).

Press NEXT to advance



Use these buttons to adjust the start time for the morning time period.



Press NEXT to advance



Use these buttons to adjust the cool setpoint for the morning time period.



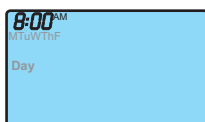
Press NEXT to advance



Use these buttons to adjust the heat setpoint for the morning time period.



Press NEXT to advance



Use these buttons to adjust the start time for the day time period.



Next Page

Time Period Programming

Weekday Programming

Press **NEXT**
to advance



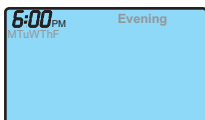
Use these buttons to adjust the cool setpoint for the day time period.

Press **NEXT**
to advance



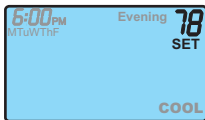
Use these buttons to adjust the heat setpoint for the day time period.

Press **NEXT**
to advance



Use these buttons to adjust the start time for the evening time period.

Press **NEXT**
to advance



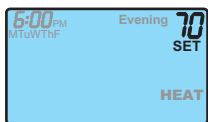
Use these buttons to adjust the cool setpoint for the evening time period.

Next Page

Time Period Programming

Weekday Programming

Press **NEXT**
to advance



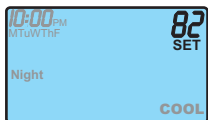
Use these buttons to adjust the heat setpoint for the evening time period.

Press **NEXT**
to advance



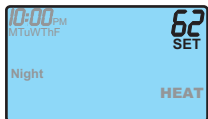
Use these buttons to adjust the start time for the night time period.

Press **NEXT**
to advance



Use these buttons to adjust the cool setpoint for the night time period.

Press **NEXT**
to advance



Use these buttons to adjust the heat setpoint for the night time period.

Next Page

Time Period Programming

Weekend Programming

Press **NEXT**
to advance



Use these buttons to adjust the start time for the morning time period.

Press **NEXT**
to advance



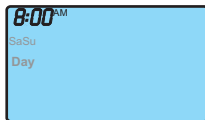
Use these buttons to adjust the cool setpoint for the morning time period.

Press **NEXT**
to advance



Use these buttons to adjust the heat setpoint for the morning time period.

Press **NEXT**
to advance



Use these buttons to adjust the start time for the day time period.

Next Page

Time Period Programming

Weekend Programming

Press **NEXT**
to advance



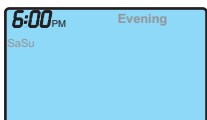
Use these buttons to adjust the cool setpoint for the day time period.

Press **NEXT**
to advance



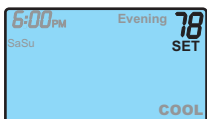
Use these buttons to adjust the heat setpoint for the day time period.

Press **NEXT**
to advance



Use these buttons to adjust the start time for the evening time period.

Press **NEXT**
to advance



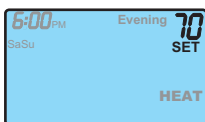
Use these buttons to adjust the cool setpoint for the evening time period.

Next Page

Time Period Programming

Weekend Programming

Press **NEXT**
to advance



Use these buttons to adjust the heat setpoint for the evening time period.

Press **NEXT**
to advance



Use these buttons to adjust the start time for the night time period.

Press **NEXT**
to advance



Use these buttons to adjust the cool setpoint for the night time period.

Press **NEXT**
to advance

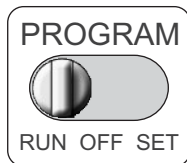


Use these buttons to adjust the heat setpoint for the night time period.

Time Period Programming

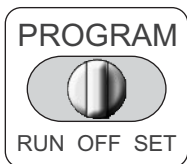
After you have completed setting the time period programming, you have two options:

- 1) Run the time period program by sliding the Program Switch to the RUN position.



Or,

















- 2) Do not run the time period program. The thermostat will operate as a manual heat or cool thermostat. Slide the Program Switch to OFF in this case.



Advanced Setup

This is normally done by the installer at initial installation.

Enter advanced setup by sliding the Program Switch to SET. When the clock is flashing, press the NEXT button for 5 seconds. Do not release the button until this screen appears.

<p>Press NEXT to advance</p> 		 	<p>Use these buttons to adjust the deadband from 1 to 6 degrees.</p>
<p>Press NEXT to advance</p> 		 	<p>Use these buttons to adjust the Cycles Per Hour from 2 to 6. d=no limit (zoning) d l = d+no compressor lockout (page 18).</p>
<p>Press NEXT to advance</p> 		 	<p>Select backlight operation when a button is pressed: OFF: Never turns on. 2,4,6 or 8: Seconds backlight will be on. ON: Always on.*</p>
<p>Press NEXT to advance</p> 		 	<p>Use these buttons to select thermostat operation in degrees C or F.</p>

Continued

* ON is only available if the thermostat is system powered.

Press **NEXT** to advance

Actual hours of fan operation

Press **RESET FILTER**

Press and hold the **RESET FILTER** button to reset the filter counter to 0 and remove the ✓**FILTER** icon from the display.

Adjust the number of hours the blower will run before the ✓**FILTER** icon appears on the display. 0 = off.

Slide the **Program Switch** to **OFF** or **RUN** to exit **Advanced Setup**.

About Advanced Features & Operation



CYCLES PER HOUR - The Cycles Per Hour setting (*page 17*) monitors the number of times per hour your HVAC unit may energize. For example, at a setting of 6 cycles per hour the HVAC unit will only be allowed to energize once every 10 minutes. The Cycles Per Hour limit may be temporarily overridden by pressing the **WARMER** or **COOLER** button.



✓**FILTER ICON** - The ✓**FILTER** icon will appear after a set number of hours for fan run time (*see above*) has been achieved. This counter keeps track of the number of hours of fan run time whether the fan is energized in the heating or cooling modes, or in stand alone operation.

CAUTION



Factory Defaults

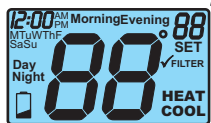
If, for any reason, you desire to return all the stored settings back to the factory default settings, follow the instructions below.

Enter advanced setup by sliding the Program Switch to SET. When the clock is flashing, press the NEXT button for 5 seconds. Do not release the button until this screen appears.

Press NEXT to advance



When the Cycles Per Hour is flashing, press and hold the NEXT button until this screen appears.



Press and hold the NEXT button again until this screen appears.



After restoring factory defaults, the thermostat screen will display all icons.



Slide the Program Switch to OFF or RUN to return to normal operation.

WARNING: This will reset all Time Period and Advanced Programming to the default settings. Any information entered prior to this reset may be permanently lost.

CAUTION



Calibration

Under normal circumstances it will not be necessary to adjust the calibration of the temperature sensor. If calibration is required, please contact a trained HVAC technician to correctly perform the following procedure.

Enter advanced setup by sliding the Program Switch to SET. When the clock is flashing, press the NEXT button for 5 seconds. Do not release the button until this screen appears.

Press NEXT to advance

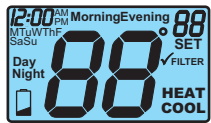


Press NEXT two times to advance

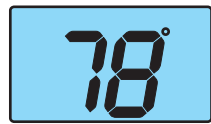


When the Cycles Per Hour is flashing, press and hold the NEXT button until this screen appears.

Press NEXT to store the new value



Press the NEXT button **twice** to advance to the calibration screen.

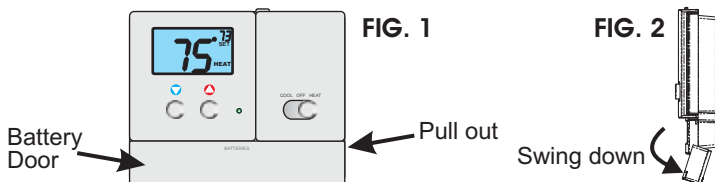


Adjust the temperature reading using the WARMER and COOLER buttons, then **press the NEXT button to store the new value.**

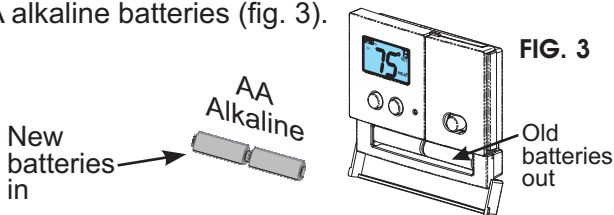
Slide the Program Switch to OFF or RUN to return to normal operation.

Battery Replacement

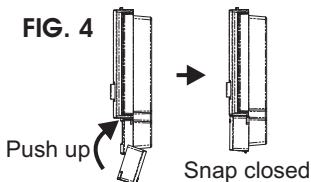
- 1** The batteries are easily accessible from the battery door located on the bottom front of the thermostat (fig. 1). To open the battery slot, pull out on the battery door (fig. 1) and swing down (fig. 2).



- 2** Remove the old batteries and replace with the new AA alkaline batteries (fig. 3).



- 3** Push up on the battery door and snap closed (fig. 4).



The batteries must be replaced immediately when the thermostat displays the low battery icon (fig. 1). If the thermostat is connected to 24v power, the batteries should still be installed. Installing the batteries when system powered (24VAC) will keep the clock running in the event of line power interruption.



LIMITED WARRANTY

Models: TSTAT*1100-2, 2100-2, 1152-2, and 2152-2

*2200C, *3271C, *3272C, *2111, *3272, *3273

This thermostat is warranted by Goodman Manufacturing Company, L.P. ("Goodman") to be free from defects in materials and workmanship under normal use and maintenance, as described below:

- The thermostat is warranted for a period of **ONE YEAR**, except as provided below.

No warranty continues after the thermostat is removed from the location where it was originally installed.

No warranty applies to, and no warranty is offered by Goodman on, any thermostat ordered over the Internet.

The warranty period begins on the date of the original installation. If that date cannot be verified, the warranty period begins twelve weeks from the date of manufacture (as indicated by the first four digits of the serial number (yyww) where "yy" indicates the year and "ww" indicates the week of manufacture).

As its only responsibility, and your only remedy, Goodman will, without charge, replace any thermostat or thermostat part found to be defective due to workmanship or materials under normal use and maintenance. For warranty credit, the defective thermostat or thermostat part must be returned to a Goodman heating and air conditioning products distributor by a state certified or licensed contractor.

This warranty does not apply to labor, freight, or any other cost associated with the service, repair or operation of the unit.

This warranty is in lieu of all other express warranties. **ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.**

Some states and provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

GOODMAN SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO EXTRA UTILITY EXPENSES OR DAMAGES TO PROPERTY. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

Goodman is not responsible for:

1. Damage or repairs required as a consequence of faulty installation or application.
2. Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere or other conditions beyond the control of Goodman.
3. Use of components or accessories not compatible with this thermostat.
4. Products installed outside the United States or Canada.
5. Damage or repairs required as a result of any improper use, maintenance, operation or servicing.
6. Failure to start due to interruption and/or inadequate electrical service.
7. Changes in the appearance of the unit that do not affect its performance.

This warranty gives you specific legal rights, and you may also have other rights that may vary from state to state or province to province.

Installer Name _____

Installation Date _____

Model # _____

Serial # _____

*Amana® & Goodman® brand products

For further information about this warranty, contact Goodman Consumer Affairs at (877) 254-4729 or by mail to 7401 Security Way, Houston, Texas 77040.

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DAY	PERIOD	START TIME	COOL	HEAT
Monday Tuesday Wednesday Thursday Friday	Morning			
	Day			
	Evening			
	Night			
Saturday Sunday	Morning			
	Day			
	Evening			
	Night			



Air Conditioning & Heating

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Printed on recycled paper.

P/N 88-843

Rev. 1

Goodman

Air Conditioning & Heating

5+2 Day Programmable Digital Thermostat



**GREAT
FEATURES!**

- 1-Heat & 1-Cool
- Heat Pump Compatible
- Battery or System Powered
- Backlit Digital Display
- Fahrenheit or Celsius
- Service Filter Indicator

Installation Instructions

Thank goodness for Goodman.™

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Safety Warnings

P/N TSTATG1152-2

CAUTION Follow *Installation Instructions* carefully.



DISCONNECT POWER TO THE HEATER - AIR CONDITIONER BEFORE REMOVING THE OLD THERMOSTAT AND INSTALLING THE NEW THERMOSTAT.



WARNING




CAUTION

The two Alkaline “AA” batteries must be replaced at least once every 12 months to ensure proper operation. The Low Battery icon (fig. 1) will appear on the display when it is time to replace the batteries. If the thermostat is connected to 24v power, the batteries should still be installed, but are not required.



FIG. 1

When  is displayed the batteries must be replaced immediately. The manufacturer cannot be liable for improper operation of the thermostat if the batteries are not immediately replaced.

Annual battery replacement is especially critical in locations subject to freezing temperatures. The thermostat will be unable to turn on the heating system if the batteries are exhausted.

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.

Preparation



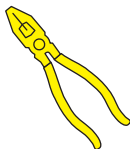
Proper installation of the thermostat will be accomplished by following these step by step instructions. If you are unsure about any of these steps, call a qualified technician for assistance.



These tools will be required:



*Flat Blade
Screwdriver*



*Wire cutter
& Stripper*



Make sure your Heater/Air Conditioner is working properly before beginning installation of the thermostat.



Carefully unpack the thermostat.
Save the screws and instructions.



Turn off the power to the Heating/Air Conditioning system at the main fuse panel. Most residential systems have a separate breaker for disconnecting power to the furnace.

Remove & Replace Old Thermostat



Remove the cover of the old thermostat. If it does not come off easily check for screws.



Loosen the screws holding the thermostat base or subbase to the wall, and lift away.



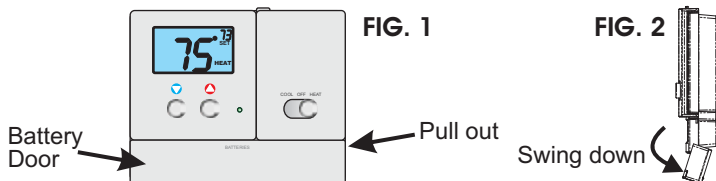
Disconnect the wires from the old thermostat. Tape the ends of the wires as you disconnect them, and mark them with the letter of the terminal for easy reconnection to the new thermostat.



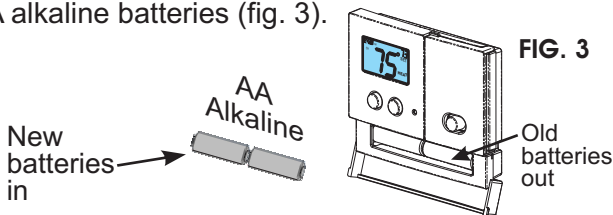
Keep the old thermostat for reference purposes, until your new thermostat is functioning properly.

Battery Replacement

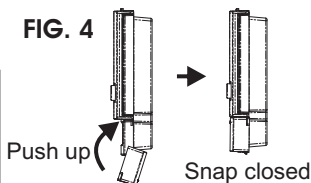
- 1** The batteries are easily accessible from the battery door located on the bottom front of the thermostat (fig. 1). To open the battery slot, pull out on the battery door (fig. 1) and swing down (fig. 2).



- 2** Remove the old batteries and replace with the new AA alkaline batteries (fig. 3).



- 3** Push up on the battery door and snap closed (fig. 4).



The batteries must be replaced immediately when the thermostat displays the low battery icon (fig. 1). If the thermostat is connected to 24v power, the batteries should still be installed. Installing the batteries when system powered (24VAC) will keep the clock running in the event of line power interruption.



Wire Connections



If the terminal designations on your old thermostat do not match those on the new thermostat, **refer to the chart below or the wiring diagrams that follow.**

Wire from the old thermostat terminal marked	Function	Install on the new thermostat connector marked
C	Common	C (optional)
RH, R, M, Vr, A	Power (Heating Transformer)	RH*
Y1 or Y	Cooling	Y
W1, W or H	Heating	W
G or F	Fan	G
RC, R, M, Vr, A	Power (Cooling Transformer)	RC*
O/B	Rev. Valve	O/B

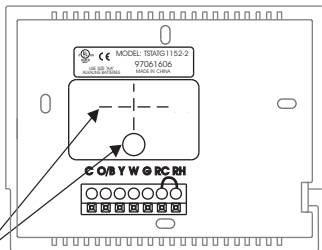
*The RC and RH terminals have a factory installed jumper to control single transformer systems. Remove this jumper to control dual transformer systems.

Thermal Insulating Sheet

A label is provided on the backplate that prevents drafts originating inside the wall from entering the thermostat.

These drafts, left unchecked, may cause incorrect room temperature readings.

Please do not remove this label from the thermostat. Insert the wires through the slots provided in the label as shown in Fig. 1.



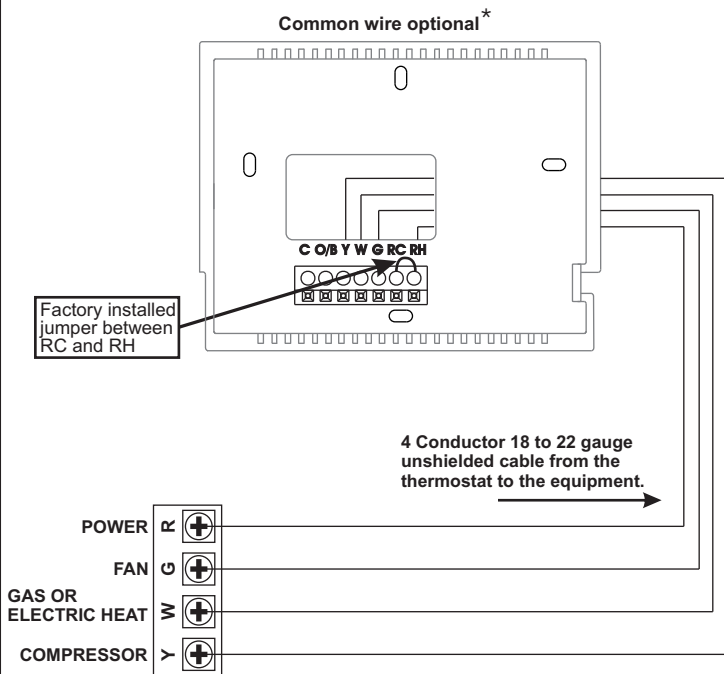
Wire Slots

Sample Wiring Diagrams

Gas or Electric Heat

4 Wire, 1 Stage Cooling, 1 Stage Heating

Residential Gas or Electric Heat, Electric Cool, split systems & package units.
For jumper configuration see pages 14 and 15.



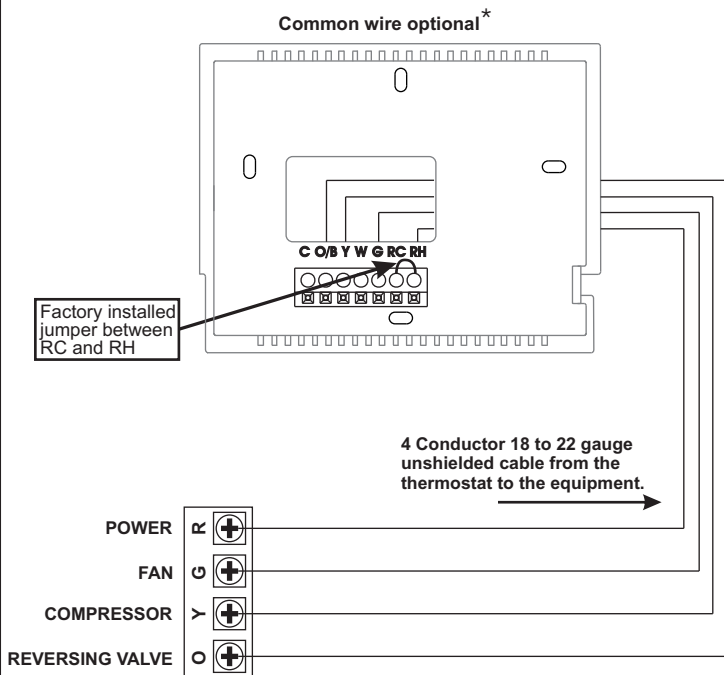
* Common wire is optional in all installations. If a common wire is not used the thermostat must be powered by two AA alkaline batteries. These batteries must be replaced (page 6) each year or when the Low Battery indicator is displayed (page 3).

Sample Wiring Diagrams

Gas or Electric Heat

4 Wire, 1 Stage Cooling, 1 Stage Heating-Heat Pump with O reversing valve.

Residential Heat Pumps, split systems & package units, with no auxiliary heat.
For jumper configuration see page 16.



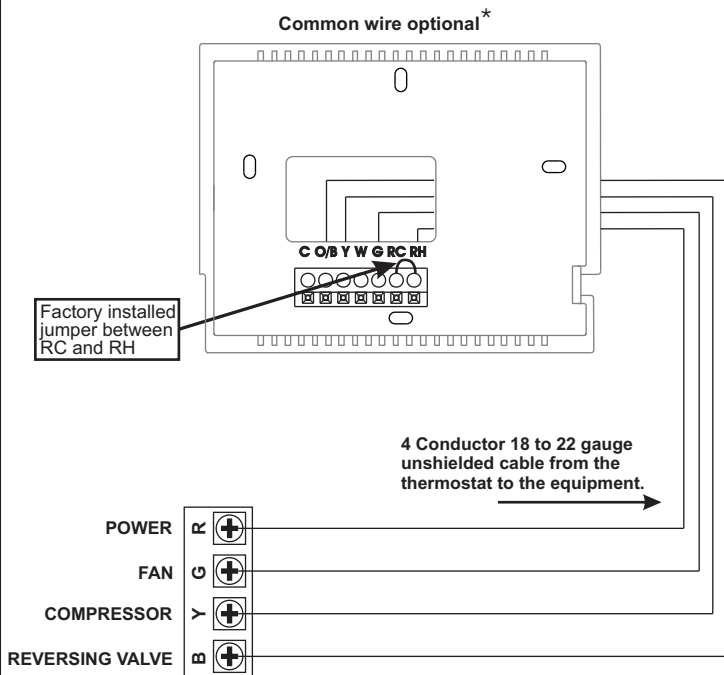
* Common wire is optional in all installations. If a common wire is not used the thermostat must be powered by two AA alkaline batteries. These batteries must be replaced (page 6) each year or when the Low Battery indicator is displayed (page 3).

Sample Wiring Diagrams

Gas or Electric Heat

4 Wire, 1 Stage Cooling, 1 Stage Heating-Heat Pump with B reversing valve.

Residential Heat Pumps, split systems & package units, with no auxiliary heat.
For jumper configuration see page 17.



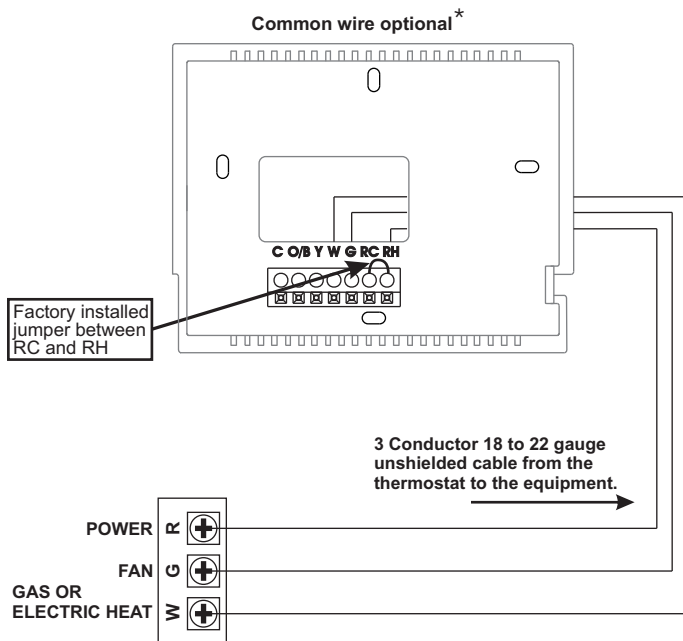
* Common wire is optional in all installations. If a common wire is not used the thermostat must be powered by two AA alkaline batteries. These batteries must be replaced (page 6) each year or when the Low Battery indicator is displayed (page 3).

Sample Wiring Diagrams

Gas or Electric Heat

3 Wire, 1 Stage Heating

Residential Gas or Electric Heat units with a separately controlled fan.
For jumper configuration see pages 14 and 15.



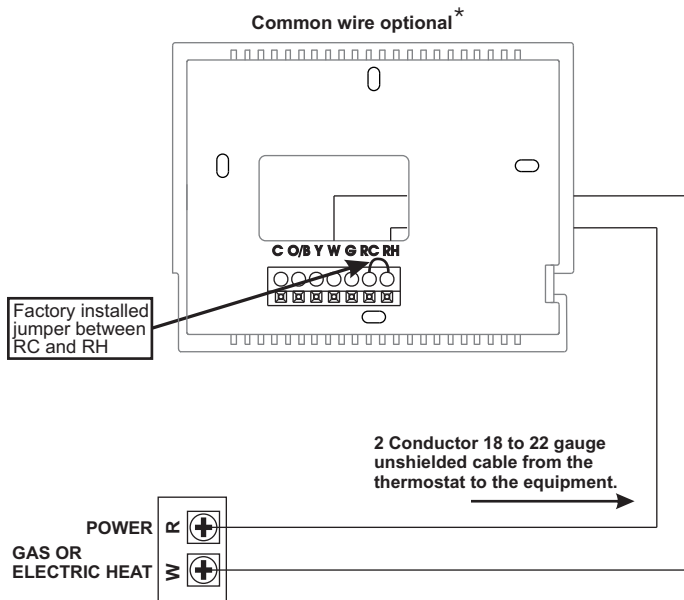
* Common wire is optional in all installations. If a common wire is not used the thermostat must be powered by two AA alkaline batteries. These batteries must be replaced (page 6) each year or when the Low Battery indicator is displayed (page 3).

Sample Wiring Diagrams

Gas or Electric Heat

2 Wire, 1 Stage Gas Heat

Residential Gas or Millivolt units.
For jumper configuration see page 14.



* Common wire is optional in all installations. If a common wire is not used the thermostat must be powered by two AA alkaline batteries. These batteries must be replaced (page 6) each year or when the Low Battery indicator is displayed (page 3).

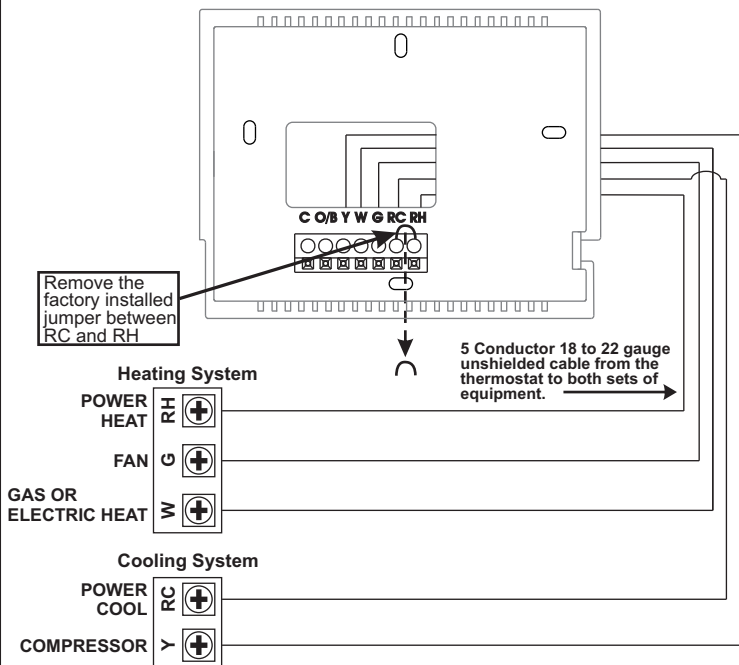
Sample Wiring Diagrams

Gas or Electric Heat

Dual Transformer 5 Wire, 1 Stage Cooling, 1 Stage Heating

Residential Gas or Electric Heat, Electric Cool, split systems & package units.
For jumper configuration see pages 14 and 15.

Common wire optional*

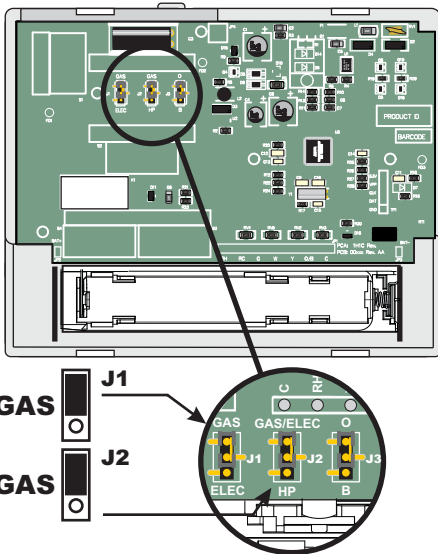


* If a common wire is used it must be connected to the furnace common terminal. If a common wire is not used the thermostat must be powered by two AA alkaline batteries. These batteries must be replaced (page 6) each year or when the Low Battery indicator is displayed (page 3).

Jumper Configuration

Cooling and Gas Heat

Residential Gas or Electric Heat, Electric Cool, split systems & package units.



Jumper #1 (J1) should be set for **GAS (FAN)** and Jumper #2 (J2) should be set for **GAS** for typical gas furnace heating with electric cooling. Jumper #3 (J3) is not used.

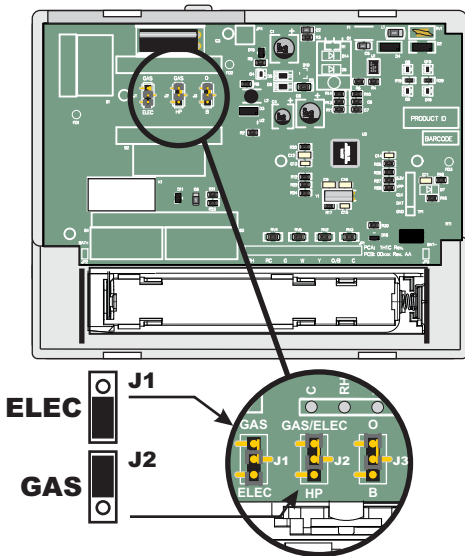
	OUTPUTS	
	No Demand	With Demand
Cooling Mode	O/B*	Y, G, O/B*
Heating Mode	O/B*	W, O/B*

*Output active depending on O/B jumper configuration - For normal operation do not connect to equipment.

Jumper Configuration

Cooling and Electric Heat

Residential Electric Heat units with a separately controlled fan.



Jumper #1 (J1) should be set for **ELEC (FAN)** and Jumper #2 (J2) should be set for **GAS** for for typical electric heating with electric cooling. Jumper #3 (J3) is not used.

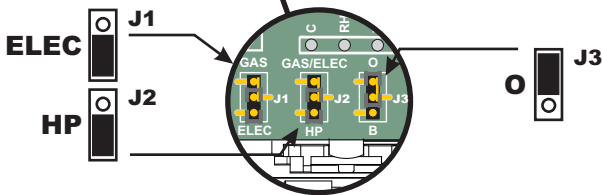
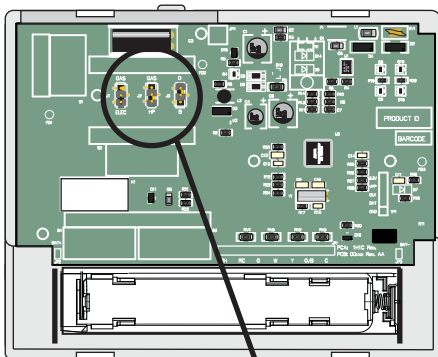
	OUTPUTS	
	No Demand	With Demand
Cooling Mode	O/B*	Y, G, O/B*
Heating Mode	O/B*	W, G, O/B*

*Output active depending on O/B jumper configuration - For normal operation do not connect to equipment.

Jumper Configuration

Cooling and Heat Pump-Heat with O reversing valve.

Residential Heat Pumps, split systems & package units, with no auxiliary heat.



Jumper #1 (J1) should be set for **ELEC (FAN)**, Jumper #2 (J2) should be set for **HP**, and Jumper #3 (J3) should be set for **O** for typical heat pump operation. **Note: Thermostat does not have Auxiliary Heat / Emergency Heat capability.**

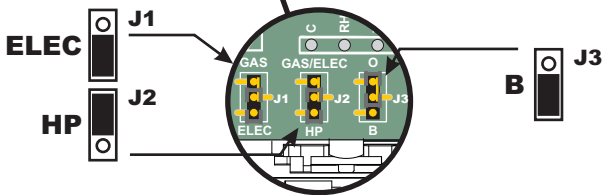
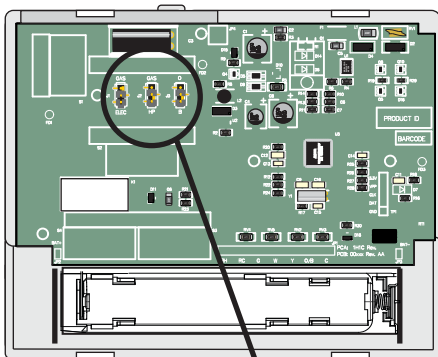
	OUTPUTS	
	No Demand	With Demand
Cooling Mode	O	Y, G, O
Heating Mode	—	Y†, G

† Y active in Heating

Jumper Configuration

Cooling and Heat Pump-Heat with B reversing valve.

Residential Heat Pumps, split systems & package units, with no auxiliary heat.



Jumper #1 (J1) should be set for **ELEC (FAN)**, Jumper #2 (J2) should be set for **HP**, and Jumper #3 (J3) should be set for **B** for typical heat pump operation. **Note: Thermostat does not have Auxiliary Heat / Emergency Heat capability.**

	OUTPUTS	
	No Demand	With Demand
Cooling Mode	—	Y, G
Heating Mode	B	Y†, G, B

† Y active in Heating

Test Operation



Turn on the power to the Heating/Air Conditioning system.



On the thermostat, slide the Mode Switch to **HEAT**. Press the COOLER or WARMER button until the set temperature is 10 degrees above room temperature. The HVAC unit should energize in the heating mode.

Note: You may need to wait up to five minutes for heating to energize due to the compressor lockout feature.



On the thermostat, slide the Mode Switch to **COOL**. Press the COOLER or WARMER buttons until the set temperature is 10 degrees below room temperature. The HVAC unit should energize in the cooling mode. **Note: You may need to wait up to five minutes for cooling to energize due to the compressor lockout feature.**



On the thermostat, slide the Mode Switch to **OFF**. Slide the Fan Switch to **Fan On**. The fan should turn on and run continuously.

Trouble Shooting



SYMPTOM: The slide switches on the thermostat are very difficult to move.

CAUSE: The backplate of the thermostat is screwed too tightly into a wall that is not perfectly flat.

REMEDY: Loosen the screws holding the thermostat into the wall.



SYMPTOM: The Air Conditioning does not attempt to turn on.

CAUSE: The cooling setpoint is set too high, the Mode Switch is not set for Cool, or the batteries are too weak.

REMEDY: Consult the Normal Operation section in the Owner's Manual to:

Lower the cooling setpoint.

Correct the Mode Switch position.

Replace the batteries.



SYMPTOM: The fan does not turn on even though the compressor has energized.

CAUSE: The Fan Switch is not completely in the On or Auto position.

REMEDY: Slide the Fan Switch firmly into the On or Auto position.

Trouble Shooting

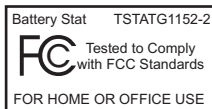


SYMPTOM: The Heating does not attempt to turn on.

CAUSE: The heating setpoint is set too high, the Mode Switch is not set for Heat, or the batteries are too weak.

REMEDY: Consult the Normal Operation section in the Owner's Manual to:

- Raise the heating setpoint.
- Correct the Mode Switch position.
- Replace the batteries.



Goodman[®]

Air Conditioning & Heating

Goodman Manufacturing Company, L.P., reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

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P/N 88-844
Rev. 1

LIMITED WARRANTY

Models: TSTAT*1100-2, 2100-2, 1152-2, and 2152-2

*2200C, *3271C, *3272C, *2111, *3272, *3273

This thermostat is warranted by Goodman Manufacturing Company, L.P. ("Goodman") to be free from defects in materials and workmanship under normal use and maintenance, as described below:

• **The thermostat is warranted for a period of ONE YEAR, except as provided below.**

No warranty continues after the thermostat is removed from the location where it was originally installed.

No warranty applies to, and no warranty is offered by Goodman on, any thermostat ordered over the Internet.

The warranty period begins on the date of the original installation. If that date cannot be verified, the warranty period begins twelve weeks from the date of manufacture (as indicated by the first four digits of the serial number (yyww) where "yy" indicates the year and "ww" indicates the week of manufacture).

As its only responsibility, and your only remedy, Goodman will, without charge, replace any thermostat or thermostat part found to be defective due to workmanship or materials under normal use and maintenance. For warranty credit, the defective thermostat or thermostat part must be returned to a Goodman heating and air conditioning products distributor by a state certified or licensed contractor.

This warranty does not apply to labor, freight, or any other cost associated with the service, repair or operation of the unit.

This warranty is in lieu of all other express warranties. **ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.**

Some states and provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

GOODMAN SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO EXTRA UTILITY EXPENSES OR DAMAGES TO PROPERTY.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

Goodman is not responsible for:

1. Damage or repairs required as a consequence of faulty installation or application.
2. Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere or other conditions beyond the control of Goodman.
3. Use of components or accessories not compatible with this thermostat.
4. Products installed outside the United States or Canada.
5. Damage or repairs required as a result of any improper use, maintenance, operation or servicing.
6. Failure to start due to interruption and/or inadequate electrical service.
7. Changes in the appearance of the unit that do not affect its performance.

This warranty gives you specific legal rights, and you may also have other rights that may vary from state to state or province to province.

Installer Name _____

Installation Date _____

Model # _____

Serial # _____

* Amana® & Goodman® brand products

For further information about this warranty, contact Goodman Consumer Affairs at (877) 254-4729 or by mail to 7401 Security Way, Houston, Texas 77040.

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