Click to prove you're human

Newer non-programmable thermostats are commonly produced by Honeywell. Although the company sells a number of newer, programmable models in addition to the base-level manual thermostats, one Honeywell thermostat works as well as any other of its models in terms of core functionality. Honeywell thermostat older models lacking the advanced features are just as effective at running heating and cooling systems. By following the Honeywell thermostat directions included in your manual thermostat's packaging, you can easily uninstall an old thermostat and replace it with your new manual unit without professional help. To begin, go to your breaker box and turn off the power to your heating and cooling system to prevent any risk of taking an electric shock later on in the thermostat installation process. Remove the old thermostat from its mount, then unscrew the old thermostat mount, being careful to not harm the thermostat's wiring. Once you've exposed the wiring of your old thermostat, you can begin the process of wiring up your new one. Honeywell non-programmable thermostat wiring and installation are functionally universal: Wires are inserted into unit terminals based on color. If your old thermostat's wires aren't labeled already, take note of which terminal each wire is plugged into, using masking tape to label each wire as you remove it from the old thermostat's mount. Make note of wire placement with a piece of paper or simply take a picture of the wiring. Not all wiring will be color coordinated, as you can see with the blue wire. If the new thermostat is attached to its mounting plate, separate the to. When all wires are labeled and removed from the old mount, thread them through the wire hole on your new thermostat's mounting plate. Then, use a drill, screws and drywall anchors to install the new mounting plate on the wall. Your new thermostat should include the screws and anchors that you need. Predrill the holes, insert the drywall anchors and screw the plate in place. Connect each wire to the appropriate terminal on the new thermostat's panel. Refer to the instructions printed on the panel and the wire labels you created when you uninstalled the old thermostat. Use a screwdriver to tighten each wire into its appropriate terminal on the panel, being careful not to overtighten it. With the wiring complete, finish the thermostat installation process by plugging your new manual thermostat into its base, then restoring power to your home's heating and cooling system. You might need to install alkaline batteries into the unit before using it. Press your unit's power switch if necessary and then follow the instructions in your Honeywell digital thermostat manual to begin using your new, fully installed manual thermostat. Refer to the owner's manual to learn about the controls. The options are usually straightforward with a system switch to change between heat and air, fan switch and temperature adjustment arrows. Honeywell: Basic Non-Programmable Thermostat Owner's Manual At SmartHomePerfected we pride ourselves on providing trustworthy, unbiased information. If you buy through links on our site, we may earn a small affiliate commission at no extra cost to you. Learn more Stumbling across unexpected issues with your heating, cooling, or ventilation systems can really flip your day, like a curveball you didn't see coming. When the power acts up, it makes things even wilder and calls for some tricky repairs. It's an even bigger head-scratcher if your Honeywell thermostat doesn't come with a clear user manual or troubleshooting guide, making you feel like a bird caught in a net trying to sort it all out. To make life easy, we've pulled together a list of the top Honeywell thermostat instruction manuals to get you back up and running! Note: Updated May 2023 with manuals for the latest Honeywell Thermostat models RTH8800WF2022 & RTH9600WF along with a few others that were missing from our list. To find the correct manual for your Honeywell Thermostat, it's best to find the specific model number of your device. Generally speaking, the model number is either printed on the back of the face plate (which can be removed by either unscrewing or gently pulling / grasping) or is available through the interface. At Smart Home Perfected we always advise readers not to undertake any work they are not competent in performing and if, in any doubt, it is best to seek the assistance of a professional. Honeywell has been in business for over 100 years so they have a lot of Thermostat models! That is why we've provided a powerful search function so you can find the exact manual you need. In case you don't know the specific model number we have also included images of each thermostat below to guide you. If your model is not listed, leave a comment below. Or, if you have a manual you would like to list, you can submit it here. All imagery and manuals are copyright © Honeywell International or © Resideo Technologies. Please visit honeywellhome.com for the most up-to-date manuals and product information. You can read our DMCA policy here. Model Image Model ID Description Document Updated Downloads THX321WFS2001W THX321WF2003W Smart Thermostat 2019 User Manual Installation Manual Smart Thermostat 2019 User Manual Installation Manual 5-2-Day Programmable Line Voltage Thermostat 2020 User Manual Non-Programmable Thermostat 2019 User Manual Installation Manual Programmable Thermostat 2019 User Manual Installation Manual Smart Thermostat 2019 User Manual Installation Manual Non-Programmable thermostat 2020 User Manual Installation Manual Non-Programmable Thermostat 2020 User Manual Installation Manual WiFi Smart Thermostat 2019 User Manual Digital Non-Programmable Thermostat – Low Voltage 2019 User Manual 1-Week Programmable Thermostat 2020 User Manual Color Touchscreen Thermostat 2019 User Manual Installation Manual WiFi Programmable Thermostat 2017 User Manual Installation Manual Programmable Wireless Thermostat 2013 User Manual Programmable Thermostat 2020 User Manual Installation Manual Smart Thermostat 2020 User Manual 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Installation Manual Wireless Digital Thermostat 2009 User Manual Installation Manual Wired Digital Thermostat 2009 User Manual Installation Manual Mains Voltage Room Thermostat 2010 User Manual Installation Manual Programmable Thermostat 2001 User Manual Programmable Thermostat 2001 User Manual Humidistat & Dehumidistat 1999 User Manual Programmable Thermostat 2010 User Manual Touch-screen Programmable Thermostat 2008 Installation Manual Programmable Thermostat 2003 User Manual 5-2 Programmable Thermostat 2019 User Manual Programmable Thermostat 2019 User Manual Temperature Controller 2007 User Manual Heating or Cooling Thermostat 1994 User Manual Non-programmable Thermostat 2011 Installation Manual Programmable Thermostat 2004 User Manual Touchscreen Programmable Thermostat 2008 User Manual Electric Heat Thermostats 1996 User Manual Line Voltage Cooling and Heating-Cooling Thermostats 1992 User Manual Chronotherm® IV Deluxe Programmable Thermostat 1997 User Manual Installation Manual Programmable Thermostat 1996 User Manual T8000C, T8001C, T8011R, T8024C Programmable Thermostat 2000 User Manual Programmable Thermostat 2020 User Manual Installation Manual Wi-Fi Programmable Thermostat 2013 User Manual 7 Day Hydronic Programmable Thermostat 2018 User Manual Installation Manual Programmable Thermostat 2016 User Manual Line Voltage Baseboard Thermostat 2019 User Manual Non-programmable Thermostat 2019 User Manual Line Voltage Baseboard Thermostat 2019 User Manual Electronic Thermostat Canada 2019 User Manual PRO 1000 / TH2000DV/TH1000DV Series Non-Programmable Thermostat 2019 User Manual Installation Manual Millivolt Thermostat 2019 User Manual Wi-Fi Thermostat 2019 User Manual Non-Programmable Thermostat 2019 User Manual Installation Manual 750 Millivolt Economy Thermostat 2019 User Manual Line Voltage Electric Thermostat 2019 User Manual Line Voltage Electric Thermostat 2019 User Manual TH1000E1/ TH1000DH/ TH2000DH Programmable Thermostat 2019 User Manual Installation Manual Smart Thermostat 2022 Installation Manual Smart Color Thermostat 2022 User Manual Programmable Thermostat 2019 Installation Manual Smart Mini-Split / AC Thermostat 2018 User Manual Installation Manual To obtain the most up to date version of Honeywell thermostat manuals we encourage you to visit the official Honeywell resource center. The purpose of our resource is to provide manuals which may no longer be published on the official Honeywell website. Honeywell has been operating for over 100 years and in that time has produced many hundreds if not thousands of thermostat models. This makes finding the correct user guide or owner manual tricky as you may inadvertently pick up the wrong one. It's important to correctly identify your thermostat model by finding the model number and then cross-checking that against the manual you find online. In many cases, Honeywell produces a product series that can include a number of variations of the same thermostat. Choosing the incorrect manual may mean you have the wrong Honeywell thermostat instructions for wiring or configuring your device. In addition, Honeywell produces thermostats for various different markets. The manuals listed in this resource are primarily from the US and UK market however these are also sold internationally into Canada and the EU, and further afield. There are a variety of manual types available online that may be useful to you. These are the most common type of manual available and contain instructions on how to program and use your thermostat for heating or cooling. Sometimes these manuals also include installation and wiring instructions where there is not a separate booklet for reference. A lot of Honeywell thermostats require professional installation by a registered electrical contractor. A number of models contain detailed instructions for installation which contain wiring diagrams along with different variations of installation. As manuals can run to tens or hundreds of pages, a number of models come with quick-start guides which are visual documents providing users with the high levels features of the device. Great for those who don't have the time to wade into the full technical detail of the device. Some products also come with spec sheets that highlight the specific technical specifications of the thermostat. This can be useful if you need to understand the granular details of the device installed however is generally not that useful for the end user. Honeywell has produced a multitude of thermostat types over the last 50 years. These devices can generally be grouped into the following categories. Time Switch – Simple device that provides the ability to turn on/off or boost your heating. Some models provide the ability to program 1 Day or 7 Days Non-Programmable Thermostats / Temperature Controller – Ability to specify a specific temperature along with the ability to turn on/off or boost. Some models support cooling as well as heating where you have the ability to control your fan. Programmable Thermostats (5-2 Day / 7 Day) – Models that provide the ability to granularly set the temperature for different days via the button and screen. Digital Thermostats – Thermostats that incorporate an LCD screen to provide information on the settings selected. Touchscreen Thermostats – Thermostat programmers with a touchscreen interface as opposed to buttons built into the cover plate. Wired Thermostats – Traditional non-programmable and programmable thermostats must be wired directly to the heating or cooling source. These devices may still have a battery backup. Wireless Thermostats – Modern-day thermostats are wireless and can be installed anywhere in the home, as long as there is connectivity to the hub. This makes installation a lot easier. Smart Thermostats – Cutting-edge thermostats that are integrated with cloud services for smart home automation and voice control via Alexa. Line Voltage Thermostats – A type of thermostat that is specifically designed to handle electric heat sources such as baseboard heaters, underfloor heaters, or mains voltage room thermostats. Heat Only or Cool Only Thermostats – Some thermostats will only be connected directly to a heating or cooling system. Humidification, Dehumidification, or Ventilation Thermostats Zonal Thermostats – A home HVAC system typically consists of multiple zones whereby there is a central programmer connected to the heating and cooling sources, with individual room thermostats feeding back temperature data. Room Thermostat – A simple room thermostat that allows the setting of temperature for that room which is connected to the main system to control heating and cooling. It's difficult to provide troubleshooting advice for a Honeywell thermostat without knowing the specific model number. Each model has its own quirks, so I recommend you review the user manual for the specific model above to help resolve your problem. The types of troubleshooting queries that are answered in user manuals include … Display is blank Screen is difficult to read Heating or cooling system not responding despite the thermostat being on "Cool On" or "Heat On" is flashing Temperature settings not changing Temperature changes occurring at the wrong time Error Codes or Error Symbols showing on display Flashing Icons on display indicating a fault How to cater for daylight savings How to recover from a power failure Battery replacement Disagreement between thermostat setting and thermostat reading Reset to factory settings While each user guide differs based on the type of thermostat and type of HVAC system, you can expect the following to be described in detail in your user manual. Description of the interface – For non-digital devices, this simply informs the user of what each button and switch does on the thermostat plate. For digital thermostats, there is typically a lot more detail on how to manipulate the controls to access the various menus and features within the display. For touchscreen thermostats, each interface is element is described and detailed. Key Controls – How to turn on / turn off the HVAC system or boost Programming a Schedule – How to set a schedule to program when the heating or cooling systems should come on. This can either be a simple time schedule or based on the ambient temperatures read by room thermostats. Changing batteries – The procedure to follow to change the batteries should be outlined, in cases where the specific model contains a replaceable battery or battery backup. Installation instructions – Some owner's manuals contain detailed installation instructions which include a wiring diagram and guide along with the procedure to follow to successfully set up the device. As thermostat installation typically involves electrical work, there are usually warnings in place for the process to be carried out by a competent professional. Instructions to Disconnect the power supply before installation are usually included! Setup and configuration – Once physical installation is complete the device can be set up and configured for the first time. Troubleshooting – Most guides typically provide a troubleshooting table where the most common problems are listed along with the solution for each. Multi-lingual – Most user manuals can be quite long as the instructions are repeated a number of times in various languages to cater to a wide customer base. We hope you find the above resource useful in solving your HVAC issues. If you can't find the manual you need, feel free to leave a comment below and we'll try our very best to source it for you. //heatingcontrols.honeywellhome.com/ Last Updated on August 27, 2022 by adminWho doesn't love to have a pleasant temperature at home on a hot, humid, or cold day? Using a Honeywell thermostat, you can enjoy a comfortable temperature in your home.Programmable digital models from manual round thermostats are easy to use. Also, setting up a daily and weekly schedule is an exceptional feature of programmable digital models.I will share settings of different Honeywell models in this quick guide.Let's dive in.The commonly used round-shaped thermostat is known as manual model.On the left side of the upper portion, you will find the "System" switch. Using this switch, you can set the Honeywell thermostat to hot, cold, or off function.The "Fan" switch will also allow you to set the Fan on Switch On or Auto mode. When you select On for the fan mode, it will work only when the temperature controlling system or air conditioner is working. And the fan works continuously when the mode is selected as On.Setting up a manual Honeywell thermostat is very straightforward. To increase the temperature setting, turn the dial clockwise and to reduce, turn it anti-clockwise.This is the most basic type of thermostat, and it allows its users to set a single temperature for heating or cooling. However, to get a warm or cool house with a non-programmable Honeywell thermostat, you have to set the temperature manually.You can turn on the backlight by pressing any of the buttons. The thermostats fan will work either Auto or On mode once the Fan button is pressed.A non-programmable thermostat will work on, off, cold, or heat mode after pressing the System button. Another push to the button will allow you to change the setting. While changing the setting, you will see the current settings of the thermostat on the screen.You will find an up and down arrow button on the right side of the thermostat. These buttons will assist you in changing the temperature. Get high temperature by pressing the Up arrow button, and lower temperature will be ensured with the Down arrow button.Programmable thermostats come with a unique feature that allows you to set your home temperature in an automatic 7-days schedule.In fact, a programmable thermostat helps a person to save electricity costs. How? When you are not at home, you can effortlessly lower the inner temperature of your home. Moreover, setting up a specific temperature at night is also easy in Honeywell programmable thermostats.Other settings like controlling the "Fan" and "System" and lowering or increasing the temperature is similar to other Honeywell thermostat settings.Through the "Set Clock/Day" button, you can set the date and time. Gently press the button, and you will see the time on the display. Now you have to set the correct time pressing the "Ahead" and "Back" buttons. Continue pressing the buttons until you reach the desired time. Don't release the button until the time is correct.After setting the correct time, again press on the "Set Clock/Day" button. Now a calendar will appear where you will need to set the days of the week. Again use the "Ahead" and "Back" buttons to get your required days.Once both time and day are selected, locate the "Run Program" button and press it. During the Daylight Savings schedule, remember to Program the time only. And then again, press the "Run Program."Honeywell thermostat settings offer 4 different settings 5 days a week: Leave, Sleep, Return, and Wake.Most Honeywell thermostat models offer Wake and Sleep settings at the weekend.Heat or Cool is the most recommended thermostat settings on weekdays. For this, you will have to press the "Set Schedule" button. Once you press this button, you will see the "Wake Mon-Fri" option on the screen. And then press "Set."Setting up the "Wake Time" is also simple with the "Time" buttons. "Temp" buttons allow its users to set the Temperature. Pressing the "Set Program" button will help you to leave the program area. For setting Leave, Sleep, and Return mode, follow the same procedure.Until you see "Sat-Sun" mode in the display, continue pressing the "Set Schedule" button. The time and Temp button will let you set the "Wake Schedule" option. The chosen setting will be set once you press the "Set Schedule" button.Once everything is finalized, gently press the "Set Program." Now the Honeywell thermostat will continue controlling your home temperature following the chosen settings.No changes will come in the setting until you change it.Honeywell is a well-known manufacturer in the thermostat industry. Hopefully, this guide will help you to use any Honeywell thermostat quite effectively.If you face any problem understanding Honeywell thermostat settings, it is recommended to read the instruction manual. Or you can make a call to the Honeywell customer service too. When operating your thermostat, it is significantly essential to take care of your thermostat's warranty terms. Included in your box Tools you will need Tools you will need Tools you may need Instructions Turn the power OFF. To protect yourself and your equipment, turn off the power at the breaker box or the switch that controls your heating/cooling system. Check that your system is off. Change the temperature on your old thermostat to be above room temperature in heat mode or below it in cool mode. If you don't hear the system turn on within 5 minutes, the power is off.Remove the old thermostat's faceplate. On most thermostats, you can take off the faceplate by grasping and gently pulling. Some thermostats may have screws, buttons, or claspsMake sure there are no 120/240V wires. Take a picture of how your wiring looks right now. Be sure to include the letters next to the terminals where the wires are inserted. This will be a helpful reference when wiring your new thermostat. Record which R-wire(s) you have and write down the color of the wire(s). Record the remaining wires and write down the color of the wires. Check mark the wires that are connected to terminals. Next to the check mark, write down the color of the wire. Do not include jumpers as a part of your count. Disconnect the wires and remove the old wall plate. Use a screwdriver to release wires from terminals. Then, use a wire label to identify each wire as it's disconnected. The letter on the wire label should match the letter on the terminal. Installing your RTH5160 thermostat Bundle and insert wires through the UWP. Pull open the UWP and insert the bundle of wires through the back of the UWP. Make sure at least 1/4 inch of each wire is exposed for easy insertion into the wire terminals. Insert the wall anchors. It is recommended that you use the wall anchors included in the box to mount your thermostat. You can use the UWP to mark where you want to place the wall anchors. Level the wall plate. Mark the location of the wall anchors using a pencil. Drill the holes. Insert wall anchors. Make sure anchors are flush with the wall. Set the R-switch position and insert R-wire(s). Set the R-switch up or down based on your wiring notes in Step 6. Wires If you have 1 R-wire (R, Rh, or Rc) If you have 2 R-wires (R or Rh, and Rc) Connect the remaining wires. Depress the tabs to put the wires into the inner holes of the corresponding terminals on the UWP (one wire per terminal) until it is firmly in place. Confirm wiring matches the snapshot. Please confirm wiring matches the terminals from the photo you took in Step 5. Mount the UWP and close the door. Mount the UWP using the provided screws. Install all three screws for a secure fit on your wall. Close the door after you're finished. Install batteries. Insert two AA alkaline batteries in the back of the thermostat as shown. Attach your thermostat. Align the thermostat onto the UWP and firmly snap it into place. Turn your power ON. Turn on the power at the breaker box or switch that controls the heating/ cooling system. System Setup Select System Setup options. Press Edit (-) to change values or select from available options. Then press Next (+) to save changes and advance to the next System Setup number. See "System Setup options" on the next page for a full list of System Setup options and options. Repeat until all of the System Setup options have been set, and then press Done. The thermostat will save and exit to the home screen. Continue to "System operation settings" on page 10. System Setup options System Setup Number and Description Options (factory default in bold) 125 = Temperature Indication Scale 0 = Fahrenheit 1 = Celsius 200 = Heating System Type 1 = Conventional Forced Air Heat 2 = Heat Pump 3 = Radiant Heat (Boiler) 5 = None (Cool Only) Note: This option selects the basic system type your thermostat will control. 205 = Heating Equipment Type Conventional Forced Air Heat: 1 = Standard Efficiency Gas Forced Air 2 = High Efficiency Gas Forced Air 3 = Oil Forced Air 4 = Electric Forced Air 5 = Hot Water Fan Coil Heat Pump: 7 = Air to Air Heat Pump Radiant Heat: 9 = Hot Water Radiant Heat 12 = Steam Note: This option selects the equipment type your thermostat will control. This feature is NOT displayed if feature 200 is set to Cool Only. 218 = Reversing Valve O/B 0 = O (O/B in Cool) 1 = B (O/B in Heat) Note: This option is only displayed if the Heat Pump configured. Select whether reversing valve O/B should energize in cool or in heat. 220 = Cool Stages / Compressor Stages (200=Conv / 200=HP) 0, 1, 2 Note: Select how many Cool or Compressor stages of your equipment the thermostat will control. Maximum of 2 Cool stages or 1 Compressor stage. Set value to 0 if you do not have Cool Stage/Compressor Stage. 221 = Heat Stages / Backup Heat Stages Heat Stages: 1, 2 Backup Heat Stages: 0, 1 Note: Select how many Heat or Aux/E stages of your equipment the thermostat will control. Maximum of 2 Heat Stages for conventional systems. Maximum of 1 Aux/E stage for systems with more than 1 heating equipment type. Set value to 0 if you do not have Heat Stage/ Backup Heat Stage. 300 = System Changeover 0 = Manual 1 = Automatic Note: Thermostat can automatically control both heating and cooling to maintain the desired indoor temperature. To be able to select "automatic" system mode on thermostat home screen, turn this feature ON. Turn OFF if you want to control heating or cooling manually. Setup Complete You have now finished installing and setting up your thermostat System operation settings Press Menu, and then press the Mode (+) button to cycle to the next available System mode. Cycle through the modes until the required System mode is displayed, and then press Done. NOTE: Available System modes vary by model and system settings. System modes Auto: The thermostat selects heating or cooling as needed. Heat: The thermostat controls only the heating system. Cool: The thermostat controls only the cooling system. Em Heat (only for heat pumps with auxiliary heat): The thermostat controls Auxiliary Heat. The compressor is not used. Off: The heating and cooling system is off. The fan will still operate if the fan is set to On Fan operation settings Press Menu, and then press the Fan (-) button to cycle to the next available Fan mode. Cycle through the modes until the required Fan mode is displayed, then press Done Fan modes: Auto: The fan runs only when the heating or cooling system is on. On: The fan is always on. Wiring—conventional systems Alternate wiring (conventional systems) If labels do not match terminals, connect wires as shown below (see notes, below). NOTES: If you must connect both R and Rc wires set the R Slider Tab to the down position (2 wires). If your old thermostat had both R and RH wires, set the R Slider Tab to the down position (2 wires). Then connect the R wire to the Rc terminal, and the RH wire to the R terminal. If your old thermostat had only 1 C or C1 wire, connect it to the C terminal. If your old thermostat had 2 C or C1 wires, wrap each separately with electrical tape and do not connect them. C does not power the thermostat display or operations; batteries are always required. Wiring—heat pump Connect wires: heat pump Match each labeled wire with the same letter on the new thermostat. Insert the wires into the matching terminal. NOTE: If you have difficulty inserting wires, you may have to press the terminal push button next to the corresponding terminal. Labels don't match? If labels do not match the letters on the thermostat, see "Alternate wiring (conventional systems)" above Alternate wiring (for heat pumps only) NOTES: Keep R Slider Tab in the up position (1 wire). If your old thermostat had both V and VR wires, stop now and contact a qualified contractor for help. If your old thermostat had separate O and B wires, attach the B wire to the C terminal. If another wire is attached to the C terminal, stop now and contact a qualified contractor for help. If your old thermostat had Y1, W1, and W2 wires, stop now and contact a qualified contractor for help. C does not power the thermostat display or operations; batteries are always required. This model doesn't support the heat pump fault alert (L/A terminal). If this is desired, please contact a contractor for a replacement model. Battery replacement Batteries are required to provide power. Install fresh batteries immediately when the low battery icon appears. The icon appears about two months before the batteries are depleted. Even if the low battery icon does not appear, you should replace batteries once a year, or before leaving home for more than a month. If batteries are inserted within two minutes, the time and day will not have to be reset. All other settings are permanently stored in memory and do not require battery power. Alerts screen You will see the alert icon and the alert number on the screen. Press Next (+) to see additional alerts, if any. Then press Done to go back to the home screen. Alerts codes Number Alert/Reminder Definition 170 Internal Memory Error The memory of the thermostat has encountered an error. Please replace the thermostat. 173 Thermostat Temperature Sensor Error The sensor of the thermostat has encountered an error. Please replace the thermostat. 405 Low Battery Alert The batteries are getting low. Replace them within two months. 407 Critical Low Battery The batteries are almost depleted and should be replaced as soon as possible. Troubleshooting Warranty 1-year limited warranty Resideo warrants this product, excluding battery, to be free from defects in workmanship or materials, under normal use and service, for a period of one (1) year from the date of first purchase by the original purchaser. If at any time during the warranty period the product is determined to be defective due to workmanship or materials, Resideo shall repair or replace it (at Resideo's option). If the product is defective, return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it; or call Resideo Customer Care at 1-800-468-1502. Customer Care will make the determination whether the product should be returned to the following address: Resideo Return Goods, 1985 Douglas Dr. N., Golden Valley, MN 55422, or whether a replacement product can be sent to you. This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Resideo that the defect was caused by damage that occurred while the product was in the possession of a consumer. Resideo's sole responsibility shall be to repair or replace the product within the terms stated above. RESIDEO SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you. 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Customer Assistance For assistance with this product, please visit honeywellhome.com Or call Resideo Customer Care toll-free at 1-800-468-1502 REFERENCE: DOWNLOAD MANUALS: Honeywell RTH5160 Series Non-Programmable Thermostat Quick Installation Guide Honeywell RTH5160 Series Non-Programmable Thermostat Quick Installation Guide The Motorsport Images Collections captures events from 1895 to today's most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors' Picks.Browse Editors' FavoritesExperience AI-Powered CreativityThe Motorsport Images Collections captures events from 1895 to today's most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors' Picks.Browse Editors' FavoritesExperience AI-Powered CreativityThe Motorsport Images Collections captures events from 1895 to today's most recent coverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of Editors' Picks.Browse Editors' FavoritesExperience AI-Powered Creativity Included in your box Phillips screwdriver Small flat head screwdriver Pencil Level Wire stripper Needle-nose pliers Drill and drill bit Read and save these instructions Removing your old thermostat Turn power OFF. To protect yourself and your equipment, turn off the power at the breaker box or the switch that controls your heating/cooling system. Check that your system is off. Change the temperature on your old thermostat to be above room temperature in heat mode or below it in cool mode. If you don't hear the system turn on within 5 minutes, the power is off. Note: If you have a digital thermostat that has a blank display, skip this step. Remove the old thermostat's faceplate. On most thermostats, you can take off the faceplate by grasping and gently pulling. Some thermostats may have screws, buttons, or clasps. Do not remove any wires from your thermostat at this time! Make sure there are no 120/240V wires. Do you have thick black wires with wire nuts? Is your thermostat 120V or higher? If you answered yes to either of these questions, you have a line voltage system and the thermostat will not work. Take a picture of how your wiring looks right now. Be sure to include the letters next to the terminals where the wires are inserted. This will be a helpful reference when wiring your new thermostat. Tip: If the color of your wires has faded or if 2 terminals have the same wire color, use the wire labels provided in the package to label each wire. Record which R-wire(s) you have and write down the color of the wire(s). NOTE: Do not include jumpers as a part of your count. The thermostat does not need jumpers. Record the remaining wires and write down the color of the wires. Check mark the wires that are connected to terminals. Next to the check mark, write down the color of the wire. Do not include jumpers as a part of your count. Check all that apply (Not all will apply): NOTES: C does not power the thermostat display or operations; batteries are always required. If K was used on old thermostat you have a C-wire adapter at the equipment. Re-wiring would need to be done so that Y and G are used instead of K. The RTH5160 thermostat does not support L/A, S, or U terminals. If there are wires in terminals that are not listed, you will need additional wiring support. Visit honeywellhome.com/support to find out if the thermostat will work for you. Disconnect the wires and remove the old wall plate. Use a screwdriver to release wires from terminals. Then, use a wire label to identify each wire as it's disconnected. The letter on the wire label should match the letter on the terminal. Tip: To prevent wires from falling back into the wall, wrap the wires around a pencil. Installing your RTH5160 thermostat Bundle and insert wires through the UWP. Pull open the UWP and insert the bundle of wires through the back of the UWP. Make sure at least 1/4 inch of each wire is exposed for easy insertion into the wire terminals. Insert the wall anchors. It is recommended that you use the wall anchors included in the box to mount your thermostat. You can use the UWP to mark where you want to place the wall anchors. a) Level the wall plate. b) Mark the location of the wall anchors using a pencil. c) Drill the holes. d) Insert wall anchors. e) Make sure anchors are flush with wall. Tip: If your box contains red anchors, use a 7/32" drill bit. If your box contains yellow anchors, use a 3/16" drill bit. Set the R-switch position and insert R-wire(s). Set the R-switch up or down based on your wiring notes in Step 6 Insert wires into the inner holes of the terminals on the UWP. The tabs will stay down once the wire is inserted. NOTE: Alternate wiring options are shown on pages 11-12. If you have 1 R-wire (R, Rh, or Rc) Set R-switch to the up position. Insert your R-wire (R, Rh or Rc) into R-terminal. If you have 2 R-wires (R or Rh, and Rc) Set the R-switch to the down position. Insert your Rc wire into Rc-terminal Insert your R or Rh wire into R-Terminal. Connect remaining wires. Depress the tabs to put the wires into the inner holes of the corresponding terminals on the UWP (one wire per terminal) until it is firmly in place. Gently tug on the wires to verify they are secure. Tip: If you need to release a wire again, push down the corresponding terminal tab on the side of the UWP. NOTE: Alternate wiring options are shown on pages 11-12. Confirm wiring matches the snapshot. Please confirm wiring matches the terminals from the photo you took in Step 5. Mount the UWP and close the door. Mount the UWP using the provided screws. Install all three screws for a secure fit on your wall. Close the door after you're finished. Install batteries. Insert two AA alkaline batteries in the back of the thermostat as shown. Attach your thermostat. Align the thermostat onto the UWP and firmly snap it into place. Turn your power ON. Turn on the power at the breaker box or switch that controls the heating/ cooling system. System Setup Now that you have installed your thermostat, please follow the steps below to setup your system and personalize your thermostat. Select System Setup options. Press Edit (-) to change values or select from available options. Then press Next (+) to save changes and advance to the next System Setup number. See "System Setup options" on the next page for a full list of System Setup numbers and options. Repeat until all of the System Setup options have been set, and then press Done. The thermostat will save and exit to the home screen. Continue to "System operation settings" on page 10. NOTE: To re-enter the System Setup from the Home Screen, press and hold the Menu button for approximately 5 seconds. System Setup options System Setup Number and Description Options (factory default in bold) 125 = Temperature Indication Scale 0 = Fahrenheit1 = Celsius 200 = Heating System Type 1 = Conventional Forced Air Heat2 = Heat Pump 3 = Radiant Heat (Boiler) 5 = None (Cool Only) Note: This option selects the basic system type your thermostat will control. 205 = Heating Equipment Type Conventional Forced Air Heat:1 = Standard Efficiency Gas Forced Air 2 = High Efficiency Gas Forced Air 3 = Oil Forced Air 4 = Electric Forced Air 5 = Hot Water Fan Coil Heat Pump: 7 = Air to Air Heat Pump Radiant Heat: 9 = Hot Water Radiant Heat 12 = Steam Note: This option selects the equipment type your thermostat will control. This feature is NOT displayed if feature 200 is set to Cool Only. 218 = Reversing Valve O/B 0 = O (O/B in Cool)1 = B (O/B in Heat) Note: This option is only displayed if the Heat Pump is configured. Select whether reversing valve O/B should energize in cool or in heat. 220 = Cool Stages / Compressor Stages (200=Conv / 200=HP) 0, 1, 2
Note: Select how many Cool or Compressor stages of your equipment the thermostat will control. Maximum of 2 Cool stages or 1 Compressor stage. Set the value to 0 if you do not have Cool Stage/Compressor Stage. 221 = Heat Stages / Backup Heat Stages Heat Stages: 1, 2Backup Heat Stages: 0, 1
Note: Select how many Heat or Aux/E stages of your equipment the thermostat will control. Maximum of 2 Heat Stages for conventional systems. Maximum of 1 Aux/E stage for systems with more than 1 heating equipment type. Set the value to 0 if you do not have Heat Stage/ Backup Heat Stage. 300 = System Changeover 0 = Manual1 = Automatic
Note: The thermostat can automatically control both heating and cooling to maintain the desired indoor temperature. To be able to select "automatic" system mode on the thermostat home screen, turn this feature ON. Turn OFF if you want to control heating or cooling manually. NOTE: Once you have cycled through all of the System Setup numbers, press Done to save and exit to the home screen. Setup Complete You have now finished installing and setting up your thermostat. System operation settings Press Menu, and then press the Mode (+) button to cycle to the next available System mode. Cycle through the modes until the required System mode is displayed, and then press Done.
NOTE: Available System modes vary by model and system settings. System modes: Auto: Thermostat selects heating or cooling as needed. Heat: Thermostat controls only the heating system. Cool: Thermostat controls only the cooling system. Em Heat (only for heat pumps with auxiliary heat): Thermostat controls Auxiliary Heat. Compressor is not used. Off: Heating and cooling system is off. Fan will still operate if fan is set to On. NOTE: Heat On/Cool On may flash for 5 minutes due to compressor protection. Fan operation settings Press Menu, and then press the Fan (-) button to cycle to the next available Fan mode. Cycle through the modes until the required Fan mode is displayed, then press Done. NOTE: Available Fan modes vary with system settings. Fan modes: Auto: Fan runs only when the heating or cooling system is on. On: Fan is always on. Wiring—conventional systems Alternate wiring (conventional systems) If labels do not match terminals, connect wires as shown below (see notes, below). NOTES: If you must connect both R and Rc wires, set the R Slider Tab to the down position (2 wires). If your old thermostat had both R and RH wires, set the R Slider Tab to the down position (2 wires). Then connect the R wire to the Rc terminal, and the RH wire to the R terminal. If your old thermostat had only 1 C or C1 wire, connect it to the C terminal. If your old thermostat had 2 C or C1 wires, wrap each separately with electrical tape and do not connect them. C does not power the thermostat display or operations; batteries are always required. Wiring—heat pump Connect wires: heat pump Match each labeled wire with same letter on new thermostat. Insert the wires into the matching terminal. NOTE: If you have difficulty inserting