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MODEL: RTH8580WFMAC ID: MAC CRC: 69-2723EFS-01Thermostat ID CardUse the MAC ID and CRC ID to register this product at mytotalconnectcomfort.comCarte d'identification de thermostatUtilisez l'identification MAC et l'identification CRC pour enregistrer ce produit à mytotalconnectcomfort.comTarjeta de identificación del termostatoUtilice la identificación MAC y la identificación CRC para inscribir este producto en mytotalconnectcomfort.com Page 12Page 132 Touch Time or Date, then touch Select.3 Touch s or t until the proper time/date 4 Touch Done to save or Cancel to ignore MCR34092MCR34155MCR340946 30 PM Page 14Page 15Page 16Unoccupied 1 10:00 pm 55° 85° AutoOccupied 2* 12:00 am 70° 75° OnUnoccupied 2* 12:00 am 55° 85° AutoCoolStart time HeatPeriod Fan Page 17Page 1833-00066EFS—03 173 Select the days to schedule, touch Next.4 Touch s or t to set your Wake time for 5 Touch s or t to set Heat and Cool 6 Touch other time periods (Leave, Return, 7 Touch Done to save and exit (Touch Cancel NOTE: Touch Cancel Period to eliminate NOTE: Touch Fan Setting to customize fan MCR34151MCR34152 Page 19Page 2033-00066EFS—03 19Touch s or t to adjust the temperature, set. • Touch Override to use a pre-set MCR34169MCR34106 Page 21Page 2233-00066EFS—03 213 Touch s or t to select the date MCR34100MCR34111MCR34111MCR34112Jul 25 - Jul 26Heat: 72 Cool: 78 Page 23Page 2433-00066EFS—03 233 Select Specific Date or Month/Weekday.MCR34114MCR34117MCR34118Schedule adjustedto 62 in heatingMCR34116 Page 251 Select US Holidays or Canadian Holidays from (Touch s or t to scroll through the holiday 4 Touch s or t to select the Heat and Cool MCR34119MCR34120Select US holidays New Year's DayMCR34121TemperatureDuring Holiday Page 26 User Manuals, Guides and Specifications for your Honeywell Wi-Fi VisionPRO 8000 series Thermostat. Database contains 4 Honeywell Wi-Fi VisionPRO 8000 series Manuals (available for free online viewing or downloading in PDF): Product information, Update manual, Installation manual, Operation & user's manual. Features of your Wi-Fi VisionPRO thermostat With your new thermostat, you can: Connect to the Internet to monitor and control your heating/cooling system. View and change your heating/cooling system settings. View and set temperature and schedules. Receive alerts via email and get automatic upgrades. View outdoor temperature and humidity. Download the free Total Connect Comfort app. Once connected to Wi-Fi and registered to Total Connect Comfort, you can control your thermostat from anywhere through your laptop, tablet, or smartphone with the Total Connect Comfort app. The Total Connect Comfort free app is available for Apple® iPhone®, iPad® and iPod touch® devices at iTunes® or at Google Play® for all Android™ devices. Need Help? For assistance please visit, or call toll-free: 1-855-733-5465 Quick reference: residential use The screen lights when you press any button. It stays lit for 45 seconds after you complete changes. Depending on how your thermostat was installed, the screen light may always be on. Quick reference: commercial use Connecting to Wi-Fi Connect to the Wi-Fi network Touch MENU Select Wi-Fi Setup. The thermostat will scan for available Wi-Fi networks. The screen displays "Finding Networks Please Wait" after which it displays a list of all Wi-Fi networks it can find. Find the name of the network you want to use by pressing the arrow buttons to scroll up/down or left/right. Press the Wi-Fi network name, then press Select. NOTE: If the Wi-Fi network name is hidden, see "Connecting to a Hidden Wi-Fi network" on page 20. When prompted, press the screen to edit the password (if necessary). Enter the password. Press the buttons to change the letter or number. Press the button to move to the next character, or the button to move to the previous character. Use the buttons at the bottom to change the letter case. Press Done when complete. The screen will let you know when the connection is successful. Press Done when the connection is successful. If the connection is not successful, the screen will explain why not. See "Unsuccessful connection" on page 19. Follow the instructions on the screen to try again. NOTE: Press the for more information about an unsuccessful connection. If you want remote access to the thermostat, you must set up an account at mytotalconnectcomfort.com and add the thermostat to the account. NOTE: You will need the thermostat MAC and CRC IDs to add the thermostat. They are on the screen under Menu, Wi-Fi Setup and on the Thermostat ID Card packed with the thermostat. To register your thermostat, follow the instructions beginning on page 3. Registering your thermostat online To view and set your Wi-Fi thermostat remotely, you must have a Total Connect Comfort account. Use the following steps. 1 Open the Total Connect Comfort web site. Go to mytotalconnectcomfort.com. Login or create an account. If you have an account, click Login. – or – click Create An Account. 2a Follow the instructions on the screen. 2b Check your email for an activation message from My Total Connect Comfort. This may take several minutes. NOTE: If you do not receive a response, check your junk mailbox or use an alternate e-mail address. 2c Follow the activation instructions in the email. 2d Login. Register your Wi-Fi thermostat. After you are logged in to your Total Connect Comfort account, register your thermostat. 3a Follow the instructions on the screen. After adding your thermostat location, you must enter the thermostat's unique identifiers: MAC ID MAC CRC NOTE: These IDs are listed on the Register Online screen or on the Thermostat ID Card included in the thermostat package. The IDs are not case sensitive. When the thermostat is successfully registered, the Total Connect Comfort registration screen will display a SUCCESS message. You can now control your thermostat from anywhere through your laptop, tablet, or smartphone. Total Connect Comfort free app is available for Apple® iPhone®, iPad® and iPod touch® devices at iTunes® or at Google Play® for all Android™ devices. Setting Setting the time/date Touch the current time. The screen displays Select Option. Touch Time or Date, then touch Select. Touch s or t until the proper time/date is displayed. Touch Done to save or Cancel to ignore changes. Touch Home to redisplay the Home screen. NOTE: When registered to Total Connect Comfort, the thermostat automatically sets the time and adjusts for Daylight Saving Time. Setting the fan Touch FAN to display fan settings. Touch On, Auto, Circ, or Follow Schedule. Touch Done to save and exit. On: The fan is always on. Auto: The fan runs only when the heating or cooling system is on. Circ: The fan runs randomly about 35% of the time (residential use only). Follow Schedule: Fan controlled by the program (see pages 6-8). NOTE: In commercial use, touch Auto or On to temporarily override the programmed fan schedule. Setting system mode Touch the SYSTEM to display system settings. Touch desired option: Heat: Controls only the heating system. Cool: Controls only the cooling system. Off: Heating/cooling systems are off. Auto: Selects heating or cooling depending on the indoor temperature. Em Heat (heat pumps with aux. heat): Controls auxiliary/emergency heat. The compressor is locked out. Touch Done to save and exit. NOTE: The Auto and Em Heat system settings may not appear, depending on how your thermostat was installed. Preset energy-saving schedules This thermostat uses default Energy Saver settings that can reduce your heating/cooling expenses. To customize settings, see the next page. Adjusting program schedules Touch MENU. Select Edit Schedule to display Use Schedule Assistant. Touch Yes to create a schedule by answering simple questions. Touch No to manually create a program schedule. Select the days to schedule, and click Next. Touch s or t to set your Wake time for the selected day(s). Touch s or t to set Heat and Cool temperatures for the Wake period. Touch other time periods (Leave, Return, Sleep) to set time and temperatures for each. Touch Done to save and exit (Touch Cancel to exit without saving changes). NOTE: Touch Cancel Period to eliminate any unwanted time period. NOTE: Touch Fan Setting to customize fan settings for any time period. Overriding schedules: residential use Touch s or t to adjust the temperature (right side of the screen) and the Hold Until time (left side). The schedule will resume when the Hold Until time expires. Select Permanent Hold to keep the same temperature until you change it or resume the program schedule. Touch Cancel Hold at any time to resume the program schedule. Overriding schedules: commercial use Touch to adjust the temperature. It will be maintained until the hold time you set. To change the hold time, touch the Hold Until arrow buttons. This time can be adjusted up to the maximum time set by the installer. Touch Override to use a pre-set occupied temperature if a person uses the room during an unoccupied period. The new temperature will be maintained for 1 hour and can be adjusted up to the maximum time set by the installer. The programmed schedule will resume when the override timer expires. Touch Cancel Hold at any time to resume the program schedule. Viewing equipment status Touch MENU. Select Equipment Status. Touch s or t to view the status of all the equipment your thermostat is controlling. Depending on how your thermostat was installed, the Equipment Status screen can report data about the following systems: Heating and cooling Fan Humidification Dehumidification Ventilation Maintenance reminders Thermostat information. Setting vacation hold: residential use This feature helps you save energy while you are away, and restores comfortable settings just before you return home. Touch MENU. Select Vacation Mode. Touch s or t to select the date you leave, then touch Next for further scheduling details, including times of day, temperature settings, return date, and return settings. Review your selections on the last display, and touch Done to save your settings. Touch Cancel to ignore the changes. Setting holiday/event schedules: commercial use This feature helps you conserve energy when the workplace is unoccupied for special events and holidays. Touch MENU. Select Holiday Schedule. Select the item you want to schedule and touch Next for further scheduling details. Custom Events lets you set up other days for special schedules. US and Canadian Holiday options let you select from a list of holidays commonly observed in each country. Make selections as prompted on each screen. For more information, see next page. Touch Done to save your settings. Setting custom events: commercial use This feature lets you customize temperature settings to be maintained during a specific event. You can set up an event for a specific date or day in a month. The thermostat resumes normal scheduling after the event. select Custom Events from the Holiday Schedule menu. Select Create New Event. Select a Specific Date or Month/Weekday. For Specific Date, you are prompted to select the event's start date, settings, end date, and frequency. For Month/Weekday, you are prompted to select the month, day of the week, week of the month, settings, length of event, and frequency for the event. Review the settings and touch Done to save them. Touch Cancel to ignore the changes. Setting holiday schedule: commercial use This feature lets you customize temperature settings to be maintained on specified national holidays. The thermostat resumes normal scheduling between selected holidays. Select US Holidays or Canadian Holidays from the Holiday Schedule menu. Select Add/Edit Holidays. A list of national holidays is displayed. Touch the check box next to each holiday for which you want to maintain specific settings. (Touch s or t to scroll through the holiday list.) then touch Next. Set the holiday schedule for Occupied or Unoccupied temperatures, depending whether the building will be in use. Touch s or t to select the Heat and Cool temperatures. Review the settings and touch Done to save them. Touch Cancel to ignore changes. This feature lets you customize temperature settings to be maintained from now until a specified date. The thermostat resumes normal scheduling on the date you select. Touch MENU. Select Holiday Mode to display Temperature While Away. Touch s or t to select the Heat and Cool temperatures, then touch Next to select return date. Review the settings and touch Done to save them. Touch Cancel to ignore the changes. NOTE: The cool temperature can only be set higher than the unoccupied program setting and the heat temperature can only be set lower than the unoccupied program setting. Initiating occupancy mode: commercial use This feature keeps the temperature at an energy-saving level until you touch Press HERE to Start Occupancy. When you arrive, touch the message to maintain a comfortable temperature while the room is occupied. Touch the buttons to set the temperature or the Hold Until time. The temperature is maintained until the time you set. Temperature returns to an energy savings level after the timer expires, or the "Occupied" period ends. NOTE: This feature is available only when programmed by the installer. Adjusting humidification settings Touch MENU and select Humidification. Select Auto. Touch s or t to select the humidity level. Touch Done to save your settings. Touch Cancel to ignore changes. If frost or condensation appears on the windows, touch MENU, then select Window Protection. (Use a lower number to prevent frost or condensation. Use a higher number if the indoor air is too dry.) NOTE: Window (frost) Protection is available only if an outdoor air sensor is installed OR if using the outdoor temperature from the Wi-Fi connection to get local outdoor weather data from the Internet.

NOTE: The thermostat controls humidification and dehumidification as needed to maintain the desired humidity level. Depending on how your thermostat was installed, the thermostat may maintain a 15% separation between humidification and dehumidification settings. Adjusting dehumidification settings: residential use This feature can control a dehumidifier or use your air conditioner to reduce humidity. Touch MENU and select Dehumidification. Select Auto. Touch s or t to select the humidity level. Touch Done to save your settings. Touch Cancel to ignore changes. NOTE: If your air conditioner is used to control humidity, the temperature may drop up to 3° F below your temperature setting until the humidity reaches the desired level. Adjusting dehumidification settings: commercial use This feature can control a dehumidifier or use your air conditioner to reduce humidity. Touch MENU and select Dehumidification. Select Auto. Touch to select the humidity level. Touch Done to save your settings. Touch Cancel to ignore changes. If your air conditioner is used to control humidity, the thermostat may use the following methods to maintain humidity: Cool from 1° to 5° F lower than your temperature setting. Run cooling for the minimum "on" time to reduce humidity. Run cooling and heating at the same time to reduce humidity without lowering the temperature. Adjusting ventilation settings Touch MENU, and select Ventilation. Select Mode, Temporary Boost, or Lockout, then select the appropriate options. (For options, see below.) Touch Done to save your settings. Touch Cancel to ignore changes. Ventilation options Mode: Auto: Ventilation runs as programmed by the installer. Off: Ventilation remains off unless turned on using the timer. On: Ventilation is always on. Temporary Boost: Touch to select how long to run ventilation temporarily. To turn it off, set it to zero. Lockout: Touch to select Yes or No, then touch Next. Select Yes to prevent ventilation from running during Sleep or Unoccupied (commercial) program periods or when outdoor conditions exceed values set by the installer. Setting preferences Preference menu options let you select how the thermostat displays information or responds to certain situations. Touch MENU and select Preferences. Select an option and follow the prompts: Reminders to change filters Fahrenheit/Celsius display 12/24-hour clock display Screen backlighting Alert light options

Scheduling options Adaptive recovery Default schedule Daylight saving time Touch Done to save your settings. Touch Cancel to ignore changes. Cleaning the thermostat screen When you select the Clean Screen option, the screen is locked so you don't accidentally change settings while you clean. Touch MENU. Select Clean Screen. A prompt asks if you want to disconnect from the network. The screen will display "Disconnecting Please Wait." The screen will show "Wi-Fi Disconnected Successfully." Touch Done. The thermostat will display the Wi-Fi Setup screen. Reconnecting your Wi-Fi network Touch MENU. Select Wi-Fi Setup. Find the name of the network you want to use by pressing the arrow buttons to scroll up/down or left/right. Press the Wi-Fi network name, then press Select. The thermostat might display a password page. Enter the password. (See step 1.6 on page 2 for assistance with entering a password.) Press Done when complete. The thermostat displays "Connecting Please Wait" and then a "Connection Successful" screen. Touch Done. If your thermostat is registered, you will see your signal strength and other status information. Touch Done. If the screen displays "Register at Honeywell.com/TCC," go to Honeywell.com/TCC and follow the instructions there, or see page 3. Unregistering your thermostat If you remove the thermostat from your Total Connect Comfort website account (for example, you're moving and leaving the thermostat behind), follow these steps: On mytotalconnectcomfort.com log into your account. Under My Account, select Edit My Profile. Click the Delete My Account button. Your thermostat will display an orange button that says Register Online. Checking signal strength You can check signal strength at any time after the thermostat is connected to the Wi-Fi network by pressing MENU and then Wi-Fi Setup. Signal strength is 75%-100% Signal strength is 50%-75% Signal strength is 0%-50% Unsuccessful connection If you are unsuccessful in connecting the thermostat to the Wi-Fi network, you will see a Connection Failed screen. Press the button for other tips about this failed connection. Here are three specific reasons the connection might be unsuccessful. For all Connection Failed screens, pressing Done will return to the Menu screen. Invalid Password The password you entered is invalid. Check that you have the right password and try again. No IP Address The thermostat was unable to obtain an IP address from the router. Verify the router is correctly set up to automatically assign IP addresses. This connection can take several minutes. If there is still no connection, remove the thermostat from the wallplate for 10 seconds, then snap it back into place. No Internet Link The thermostat connected to the Wi-Fi network but was unable to establish a connection to the internet. Check the router settings and try again. Make sure the Ethernet cable is plugged into the router and try rebooting the router if necessary. If the Wi-Fi network name is hidden and it doesn't show up in the list in "Connecting to Wi-Fi" follow these steps to connect to it. Press MENU, then Wi-Fi Setup. Press Other, then press Select. When prompted, press the screen to edit the network name. Enter the network name. Press the buttons to change the letter or number. Press the button to move to the next character, or the button to move to the previous character. Use the buttons at the bottom to change letter case. Press Done when complete. Select the appropriate network security setting, then press Select. Enter the Wi-Fi network password as shown in "Connecting to Wi-Fi" step 1.6 on page 2. Installer options Installer options require a password and should only be changed by a qualified technician. To prevent unintended changes or damage to your equipment, do not change these options yourself. Troubleshooting If you have difficulty with your thermostat, try these suggestions. Most problems can be corrected quickly and easily. Screen is blank Check circuit breaker and reset if necessary. Make sure power switch at heating and cooling system is on. Make sure furnace door is closed securely. Screen is difficult to read Change screen brightness using Preferences menu (see page 15). Red light is on If thermostat is in Emergency Heat mode, the red light is normal. It shows that the thermostat is in Emergency Heat mode. If thermostat is not in Emergency Heat mode, an alert is active. Check message on the thermostat screen. Heating or cooling system does not respond Touch SYSTEM to set system to Heat. Make sure the temperature is set higher than the Inside temperature. Touch SYSTEM to set system to Cool. Make sure the temperature is set lower than the Inside temperature. Check circuit breaker and reset if necessary. Make sure power switch at heating & cooling system is on. Make sure furnace door is closed securely. If "Wait" is displayed, the compressor protection timer is on. Wait 5 minutes for the system to restart safely, without damaging the compressor. Warranty information Honeywell warrants this product, to be free from defects in the workmanship or materials, under normal use and service, for a period of five (5) years from the date of purchase by the consumer. If at any time during the warranty period the product is determined to be defective or malfunctions, Honeywell shall repair or replace it (at Honeywell'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 Honeywell Customer Care at 1-800-468-1502. Customer Care will make the determination whether the product should be returned to the following address: Honeywell Return Goods, Dock 4 MN10-3860, 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 Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer. Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL 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. THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE FIVEYEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state. If you have any questions concerning this warranty, please write Honeywell Customer Relations, 1985 Douglas Dr. Golden Valley, MN 55422 or call 1-800-468-1502. Regulatory information FCC Compliance Statement (Part 15.19) (USA only) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation. FCC Warning (Part 15.21) (USA only) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. FCC Interference Statement (Part 15.105 (b)) (USA only) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. RSS-GEN Under Industry Canada regulations, this radio transmitter may only operate using an antenna of type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication. Operation is subject to the following two conditions: This device may not cause interference, and this device must accept any interference, including interference that may cause undesired operation of the device. Need Help? For assistance please visit, or call toll-free: 1-855-733-5465 Home and Building Technologies In the U.S.: Honeywell International Inc. 1985 Douglas Drive North Golden Valley, MN 55422-3992 © U.S. Registered Trademark. © 2017 Honeywell International Inc. 33-00066EFS—07 M.S. Rev. 04-17 Printed in U.S.A. Reference Download Manual: Honeywell Home 8000 Wi-Fi VisionPRO Thermostat User Guide Honeywell Home 8000 Wi-Fi VisionPRO Thermostat User Guide thermostat.guide thermostat user manuals