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9600 Digital Programmable Thermostat Installation Guide and Manual • For new installations, mount the thermostat on an inside wall, 4-5 feet above the floor. • Always turn off power at the main power source by unscrewing fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing thermostat. • The thermostat features four setpoints for weekday programming—two setpoints for weekend comfort and a low battery indicator. • Programmable from 45°F (4°C) to 90°F (32°C) with accuracy within ± 1 degree. • Maintain summer and winter programming and adjustable temperature differential: 1-3 degrees. • Low temperature freeze protection is also included. • Installing the thermostat behind a door, in a corner, near air vents, direct sunlight, or near any heat or steam generating fixtures will affect its operation. To initiate heating mode, move the position to "HEAT." Repeat steps 2-6 to configure the HEAT settings for winter. Note that both summer and winter programs utilize identical time settings. Your thermostat is now set up for seasonal operation. Temporary adjustments can be made by switching the PROG/MAN SET to MAN COOL-OFF-HEAT AUTO - ON mode, allowing you to adjust temperature settings manually. Temporary Program Override To temporarily increase or decrease temperature: Press PROG/MAN until the indicator is in MAN position. Press or to adjust temperature settings. To Test Thermostat Warning: Do not short circuit across terminals of gas valve or system control to test operation, as this will damage the thermostat and void your warranty. Caution: Avoid switching to cool mode if the temperature falls below 50°F (10°C), which can cause harm to the air conditioning system and lead to personal injury. COOL-OFF-HEAT 1. Move the COOL-OFF-HEAT switch into the COOL position. 2. Press the button until the temperature setting is at least 3 degrees below the room temperature. Troubleshooting Symptom Thermostat does not turn on system. Remedy Check wiring (see INSTALLATION) and replace fuse with a 2 amp Slo-Blo fuse if it has opened. Thermostat turns on and off too frequently. Increase temperature differential (see PROGRAMMING). Display is blank, flashing or constant LO BAT. Replace batteries. Weekend program follows four adjustment settings. Verify that day of week is set correctly (see PROGRAMMING). System fan does not operate properly. Wiring Diagrams The following diagrams illustrate common HVAC systems. Refer to your system's installation manual for wiring information. FIVE-YEAR LIMITED WARRANTY Maple Chase Company warrants new Robertshaw thermostats to be free from defects in materials and workmanship under normal use and service for a period of five (5) years from date of purchase. Installing Item 9600 Thermostat Note: For new installations, mount thermostat on an inside wall, 4-5 feet above the floor. Do not install behind a door, in a corner, near air vents, in direct sunlight, or near heat or steam generating fixtures. 1. Turn off power to heating and cooling systems. 2. Place COOL-OFF-HEAT in OFF position. 3. Move AUTO-ON switch into AUTO position. 4. Remove the cover using a coin or screwdriver. 5. Place thermostat against the wall at desired location, ensuring wires will feed through opening on base of thermostat. Mark placement of mounting holes (see Figure 3). Set base aside. Features • Four setpoints for weekday programming—two setpoints for weekend comfort. • Two AA ENERGIZER brand batteries retain program memory even during power outages. • Low battery indicator. • Fahrenheit/Celsius display option. • Programmable from Thermostat features: • Temperature range: 4°C (90°F) to 90°F (32°C) • Accuracy: ± 1 degree • Adjustable temperature differential: 1-3 degrees • Maintains summer and winter programming • Low temperature freeze protection • Automatic heating shutdown if temperature exceeds 90°F (32°C) Replacing an existing thermostat: 1. Turn off power to the system 2. Remove cover of old thermostat, but don't disconnect wires (see Figure 1) 3. Label wires per Table 1 4. Remove wires from terminals 5. Remove existing thermostat base from wall 6. Refer to installation instructions for next steps Installation: 1. Drill marked holes using a 3/16" drill bit (note: plastic anchors do not require drilling for drywall) 2. Tap plastic anchors into the wall 3. Align base with plastic anchors and feed wires through opening (see Figure 4) 4. Secure base to wall with supplied screws 5. Connect wires to terminal strip, referring to wiring diagrams on other side of this sheet 6. Place fan option switch in either ELEC or GAS position depending on furnace type (refer to Figure 5) Programming: 1. Change temperature differential: Press SET and release both simultaneously 2. Set daily programming: Place COOL-OFF-HEAT switch in COOL position, press SET, and adjust MORN time with or (see Page 6) 3. Install batteries: Replace two AA ENERGIZER brand batteries or equivalent into battery compartment, matching positive (+) ends of batteries with positive (+) battery terminals Replace cover on thermostat by snapping it into place 1. Turn on the system and test the thermostat as per the instructions in the To Test Thermostat section of the Programming Guide. 2. Press and hold SET, then simultaneously press PROG/MAN and release. 3. Use the or buttons to set the Time of Day, Day of Week, Temperature Differential, and Program Mode. 4. Follow the steps: a. Press Presto change the day of week b. Press PROGMANSET PROG/MAN COOL-OFF-HEAT AUTO - ON>>1=MO2=TU3=WE4=TH5=FR6=SA7=SU to set the Program Mode. 5. Repeat steps 3 and 4 for DAY, EVE, and NITE temperature settings. 6. Shift the COOL-OFF-HEAT switch to HEAT position. 7. Repeat steps 3 and 4 to program the HEAT (winter) settings. 8. Note that both summer and winter programs use the same time settings. 9. With the thermostat programmed, press AUTO-ON switch into AUTO and place COOL-OFF-HEAT switch into COOL or HEAT depending on the season. 10. Press PROG/MAN button until the indicator is in PROG position.