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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL RTH110B. You'll find the answers to all your questions on the HONEYWELL RTH110B in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL RTH110B
User guide HONEYWELL RTH110B
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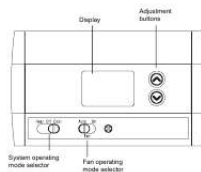
Honeywell RTH110B Non-programmable Electronic Thermostat Installation and User Guide

1. Introduction

The RTH110B non-programmable thermostat can be used to control:

- a gas, fuel oil or electric furnace - 2 or 3 wires
- a central air conditioner - 2 or 3 wires
- a hot water system with or without pump - 2 wires
- a millivolt system - 2 wires
- a central heating and cooling system - 4 or 5 wires

Note: This thermostat is not compatible with heat pumps or multi-stage systems.



Features

- System operating mode selection: heat, cool or off
- Fan operating mode selection: automatic or on (continuous)
- Programmable heating and cooling cycle lengths: 10, 12, 15, 20 or 30 minutes
- Temperature display in °F or °C
- Battery replacement indicator

2. Installation

2.1 Removing the Old Thermostat

IN ORDER TO AVOID ANY RISK OF ELECTRIC SHOCK, CUT POWER TO THE HEATING SYSTEM.

- 1 Remove the old thermostat to access the wires.
- 2 *Attention: If the old thermostat was mounted onto an electrical box, it was probably powered by 120/240 volts. In this case, this thermostat cannot be used.*
- 3 Identify and label each wire (with the corresponding letter on the wire terminal) and remove them from the terminals.
- 4 If necessary, strip the end of each wire (maximum of 1/4 inch).

RTH110B

- 5 Wrap the wires around a pencil to prevent them from falling into the wall.
- 6 If the hole in the wall is too big, insulate it using a non-flammable material in order to avoid air draughts behind the thermostat.



2.2 Installing the New Baseplate

For a new installation, choose a location approximately 5 feet (1.5 m) above the floor and on an inside wall. Avoid draughty areas (top of staircase, air outlet, etc.), dead air spots (behind doors), direct sunlight or areas near concealed pipes or chimneys.



- 1 Remove the thermostat faceplate.
- 2 Loosen the locking screw to separate the thermostat from its baseplate (the screw cannot be completely removed).



- 3 Tilt the thermostat upwards.
- 4 Mark and bore the appropriate mounting holes (or use the existing holes). Insert the plastic anchors.
- 5 Pass the wires through the opening of the baseplate and fix the baseplate to the wall using the screws provided.

2.3 Connecting the Thermostat

The connection of the new thermostat should be similar to that of the old thermostat; however, it can vary depending on the installation.

Rh	Heating power supply
Rc	Cooling power supply
W	Heating signal
Y	Cooling signal
G	Fan

Note: The red jumper wire between the Rc and Rh terminals must be removed in 2- or 5-wire installations. The jumper must be used in 3- or 4-wire installations if you wish to use the mode selector switch for the fan.

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Manual abstract:

If the hole in the wall is too big, insulate it using a non-flammable material in order to avoid air draughts behind the thermostat. Installation and User Guide

1. Introduction The RTH110B non-programmable thermostat can be used to control: · a gas, fuel oil or electric furnace - 2 or 3 wires · a central air conditioner - 2 or 3 wires · a hot water system with or without pump - 2 wires · a millivolt system - 2 wires · a central heating and cooling system - 4 or 5 wires Note: This thermostat is not compatible with heat pumps or multistage systems. 2.2 Installing the New Baseplate For a new installation, choose a location approximately 5 feet (1.5 m) above the floor and on an inside wall. @@@@Insert the plastic anchors. @@Installation 2.1 Removing the Old Thermostat IN ORDER TO AVOID ANY RISK OF ELECTRIC SHOCK, CUT POWER TO THE HEATING SYSTEM. Remove the old thermostat to access the wires.

Attention: If the old thermostat was mounted onto an electrical box, it was probably powered by 120/240 volts. In this case, this thermostat cannot be used. Identify and label each wire (with the corresponding letter on the wire terminal) and remove them from the terminals. If necessary, strip the end of each wire (maximum of 1/4 inch). Rh Rc W Y G Heating power supply Cooling power supply Heating signal Cooling signal Fan Note: The red jumper wire between the Rc and Rh terminals must be removed in 2- or 5-wire installations.

The jumper must be used in 3- or 4-wire installations if you wish to use the mode selector switch for the fan. RTH110B 69-1799 2/6/05 1/3 2.3.1 2-wire Heating 2.4 Setting J2 Jumper The jumper defines the fan operation when the fan is placed in automatic mode.

J2 jumper Heat relay HE Use this setting if you have an electric furnace. In this setting, when the fan is placed in automatic mode, it works only when heating or cooling is activated. Use this setting if you have a gas or fuel oil furnace. In this setting, when the fan is placed in automatic mode, it works as follows: · When the thermostat is placed in cool mode, the fan works only when cooling is activated. · When the thermostat is placed in heat mode, the fan is controlled by the furnace fan control circuitry. 2.3.2 2-wire Cooling HG 2.5 Installing the Batteries Cool relay 2.3.

3 3-wire Heating Pull out the battery cover. Install the batteries as shown. Observe the polarity. Heat relay Fan relay Reinstall the battery cover. You will hear a clicking sound. After the batteries are installed, the thermostat performs a series of tests for approximately 5 seconds. Afterwards, the screen displays the actual temperature. It is normal that the displayed temperature will be higher than the ambient temperature if you hold the thermostat in your hands.

@@@@@This is a safety feature for the compressor. @@@@@@x 3 in.

x 1 in. @@To view the setpoint, press once on either of the buttons. The setpoint is displayed for 5 seconds along with the icon. Note: Pressing any of the the setpoint. buttons more than once will change 6.

@@@@@This warranty does not cover removal or reinstallation costs. @@@@@@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 ONE-YEAR 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. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V4Z9.

3.4 Setting the Temperature Press one of the played. buttons until the desired temperature is dis- 3.5 Battery Replacement Indicator An icon appears when the batteries need replacement. This icon will flash for 120 days, then the thermostat will cut power to the heating/cooling unit. The icon disappears once the batteries are replaced. The temperature settings are saved and do not need to be re-entered. Warning: Before removing the batteries, place the system switch on the thermostat to Off.

Otherwise, the heating/cooling unit might still be running even after the batteries are removed. 4. Configuration Menu To access the configuration menu, press both simultaneously for 3 seconds. @@@@@@3 The corresponding cooling cycle lengths are as follows: 2=30 min, 3=20 min, 4=15 min, 5=12 min, 6=10 min. 7. Customer Assistance If you have any questions about the operation of your thermostat, please go to www.honeywell.com/yourhome, or call Honeywell Customer Care toll-free at 1-800-468-1502. 69-1799 2/6/05 3/3 RTH110B Printed in China .



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