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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL HR 10 F. You'll find the answers to all your questions on the HONEYWELL HR 10 F in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual HONEYWELL HR 10 F**  
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**Honeywell**



## **Remote-adjustable Radiator Controller**

**HR 10 F**

**Mounting and Operation**



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### Manual abstract:

They are identified in the text by an \*. Application The Roomtronic HR10 F controls the setpoint temperature\* of a room. It consists of a drive unit and an operating unit and offers a number of comfortable functions: A separate time program can be entered for each weekday. The manual adjusting ring at the operating unit allows simple changing of the room temperature at any time also in automatic mode\*. The manual adjusting ring of the drive unit does not have any function. Self-monitoring properties offer protection against calcification, unintentional setpoint adjustment and frost. A flashing display draws the user's attention to the fact that the batteries have to be changed. The Roomtronic changes automatically between summer and winter times. Various valve adapters and a window contact are furthermore available. 3 Overview Scope of supply 1.

Operating unit 2. Connecting cable 3. Drive unit 4. Valve lantern 5. Batteries 1 2 3 4 5 4 Mounting Mounting Selecting the mounting site When selecting the mounting site take into consideration that the temperature measurement is influenced if the operating unit is mounted on an outer wall or near heat sources.

Mounting the drive unit Turn the radiator on before mounting. The radiator valve must be open. @@If the valve is correctly mounted, the radiator will become warm. @@@@ Tighten the metal knurled nut without using a tool. 7 Mounting Checking the valve lift The nose of the adjusting ring is positioned at the stop of the housing (Page 6).

Turn the adjusting ring of the valve lantern (1) to the right until some resistance is felt. The spindle (2) of the valve lantern is now touching the valve pin (3) of the radiator valve (4). 8 Mounting Turn the adjusting ring of the valve lantern (1) further to the right until the final stop is reached. The radiator valve is closed. With the central heating switched on, the radiator cools down. The valve lift between the left-hand stop (open) and the righthand stop (closed) has to amount to at least of a rotation. 9 Mounting Connecting the drive unit and the valve lantern To open the retainer bracket, turn the control knob (1) so the tip points upwards. Slide the housing onto the valve lantern (2). To close the retainer bracket, turn the control knob so the tip points sideways. The housing of the drive unit and the valve lantern are connected firmly.

After removing the valve lantern, each time you remount the lantern, you must carry out a manual or automatic adaptation (please refer to Page 25). 10 Mounting Mounting the operating unit Open the housing of the operating unit by pressing the concealed latching nose on the bottom (1) with a screwdriver while lifting the cover at the same time (2). Draw and drill the fastening holes in accordance with the drilling scheme on Page 28. Screw on the operating unit. Connecting the operating unit and the drive unit Insert the plug of the connecting cable into the socket (1) of the drive unit housing. 1 Cut the connecting cable to length so that it reaches from the drive unit to the operating unit. 11 Mounting Insert the open end of the cable through the recess (1) in the bottom panel of the operating unit. Connect the cable in accordance with the adjacent scheme. Assignment and conductor colors of the cables: 1 = Black 2 = Red 3 = Green 4 = Yellow Connection of the window contact HAC 30 is optional (please also refer to Page 3). 12 Mounting Inserting batteries into the operating unit The battery unit of the drive unit does not have any function.

If necessary, remove any discharged batteries from the operating unit (please also refer to Setting the date and time, Page 14). Batteries should not be disposed of in the household garbage. You may be required by local law to dispose of discharged batteries in a certain manner. Always replace both batteries. Only use 1.

5 V mignon batteries of the type LR06. Ensure that the polarity is correct. Insert the batteries into the battery compartment. Position the housing cover correctly at the top and latch it into the latching nose on the housing bottom. The mounting has been completed.

The automatic adaptation\* is activated. 13 Mounting Set the date and time once automatic adaptation is complete. Setting the date and time The date and time must be set when first configuring the controller and after each battery change (please also refer to Page 13). Keep the button pressed for at least 2 seconds. A four-digit number the year flashes in the display. Turn the adjusting ring until the current year is displayed. Press the button. Two digits flash in the display for the month. Turn the adjusting ring until the current month is displayed. Press the button.

Adapt the day, hour and minute by the same method until the current setpoint temperature is displayed. The date and time are set. 14 Operation Operation Display and operating elements at the operating unit 1. Display of the set heating and economy period 2. Display of the operating mode: AUTO, MANUAL or PROG button for 3. changing between AUTO and MANUAL mode button for 4. setting the comfort and economy temperature 5. button for changing to programming mode 6. Display of comfort or economy temperature 7. @@A rectangle is displayed above a heating period of half an hour. @@Values between 8 C and 28 C can be set. The adjusting ring does not have a stop. @@@@Temperatures and heating periods are controlled by the time program. "AUTO" is displayed. @@The time program is not active.

Press the button at the operating unit. "MANU" is displayed. @@@@ Press the button at the operating unit. @@is then displayed in the operating unit display. @@@@The message or is then displayed.

@@The symbol flashes in the display. @@@@ " " is displayed. @@The Roomtronic can be operated again. @@The Roomtronic then returns to automatic mode. The last changes are rejected. @@@@The current comfort temperature is displayed flashing. Turn the adjusting ring until the desired comfort temperature is displayed. button again. The current economy temperature is displayed flashing. Turn the adjusting ring until the desired economy temperature is displayed.

Press the button again. The comfort and economy temperatures have been changed. Press the 21 Adapting Adapting the heating and economy periods You can set a first heating and economy period and, if required, a second one for each weekday. Each heating period must also have an economy period assigned to it. HINT: First adapt the heating and economy periods for all the weekdays simultaneously. If necessary, change the heating and economy periods of individual days in the next step. Changing the heating and economy periods for all the weekdays simultaneously Press the button. The following text is displayed: 1-7 . button again. The current first heating period is displayed (e.



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g. 6.00). Turn the adjusting ring until the desired heating period is displayed. Press the button again.

Turn the adjusting ring until the desired economy period is displayed. Press the button again. If you do not want to set a second heating and economy period:

Turn the adjusting ring until --:-- is displayed. Press the button. 22 Press the Adapting is displayed.

button. The new heating and economy periods are effective for all the weekdays. If you want to set a second heating and economy period: Turn the adjue) 072031082 Select the required adapter or change the valve lantern (Herz, Oventrop). Expand the adapter, if necessary and slide it onto the valve until the stop is reached. Turn it in the process until it latches perceptibly. If required, tighten the adapter with a screw or mount the adapter pin. 29 Appendix Help with problems Problem/Display Cause Operating unit is disabled, operation is not possible Display during the automatic adaptation, aD a to lasts approx. 2 min Display during the manual adaptation to Radiator does not Valve does not close turn cold completely No adaptation possible flashes Batteries are not powerful enough Batteries are empty Remedy Reverse disabling as described on Page 19. Wait until the end of adaptation. Check the mounting.

@@@ Remove the dirt from the radiator valve, if necessary. Carry out the manual adaptation as described on Page 26. @@Automatic mode Standard operating mode of the operating unit. The time program controls the room temperature. Comfort temperature Set temperature which the time program accesses. Refer to economy temperature. Economy period Period in which the economy temperature is effective. Economy temperature Set temperature which the time program accesses. Advisable at night or during absence. Refer to comfort temperature.

32 Heating period Period in which the comfort temperature is effective. Manual mode No time program active. Setpoint adjustment via adjusting ring. Programming mode Operating mode for adapting the settings such as the date and time, heating and economy period, etc. Setpoint temperature The room temperature which is to be reached.

Time program Combination of setpoints and switching points. Honeywell AG Bblinger Strae 17 D 71101 Schnaich Tel. (++49) (0) 1801 466390  
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