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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL HCE 80. You'll find the answers to all your questions on the HONEYWELL HCE 80 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL HCE 80
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Honeywell

HCE 80/HCE 80R
HCC 80/HCC 80R

**Underfloor Heating
Controller**
Installation and Operation
Zoneregelaar
Montage en gebruik



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Manual abstract:

The floor heating system is an intelligent system for individual room temperature control. The following overview shows devices that can operate together with the underfloor heating controller. Contacts that are open are live. Unplug the power plug before opening the housing. Have all the work carried out by authorised specialist personnel. A Setpoint adjuster HCW 82 Controls the setpoint temperature for each temperature zone via adjustment dial B Central operating device CM67z Controls the room temperature via programmable time programs C Room temperature sensor HCF 82 Transmits room temperature information to underfloor heating controller D Hometric Manager HCM 200D Central operating unit of the house-automation system E Underfloor heating controller HCE 80/HCC 80/HCE 80R/HCC 80R Controls actuators; communicates with setpoint adjusters and room temperature sensors F Boiler feedback, Analog output (only HCE 80/HCC 80) or Relay output (only HCE 80R/HCC 80R) G Integrated pump relay H Thermal actuators I External antenna HCE 80/HCE 80R Internal antenna HCC 80/HCC 80R J Boiler feedback relay HC60NG/R6660D External 230 V AC internal Does not exist External with HC60NG/ R6660D 42 V AC/DC Allocate the corresponding room device, for example HCW 82, CM67z, and the required thermal actuators to each zone. Internal 230 V AC internal Exists External with HC60NG/ R6660D Does not exist Internal 230 V AC internal Does not exist External with HC60NG/ R6660D 42 V AC/DC External with HC60NG/ R6660D Boiler Does not feedback exist Normally open and normally closed thermal actuators can be used · Underfloor heating controller can be switched between heating and cooling · 1 antenna can be used for 3 controllers · Internal or external antenna can be used · The living area is covered by six temperature zones. Interference of the radio receiver in the device through metallic objects and further radio devices. When selecting the operating site ensure that the distance to radio devices such as radio headphones, cordless phones, etc. According to the DECT standard amounts to at least 1 m.

Ensure that there is sufficient distance to metallic objects. Select another installation site if the radio interference cannot be rectified. If insufficient space is available, select an area where the underfloor heating controller can communicate with the setpoint adjusters by radio without interference and that is protected from moisture and water. Within a building rooms (zones) can be controlled with different room setpoint temperatures. The thermal actuators of the allocated zone (room) are controlled depending on the room setpoint temperature.

@@@A maximum of 3 actuators can be connected in each zone. @@@The expansion module HCS 80 expands the number of possible temperature zones of the underfloor heating controller from 5 through 8. Insert the expansion module with the adapter connector into the provided slot. Only one thermal actuator type can be connected per underfloor heating controller. If normally open and normally closed actuators are to be operated, you require two underfloor heating controllers.

Press the housing upwards until it snaps into place (2). Set the switches in accordance with the following table (see the fold-out page, Fig. Contacts that are open are live. Unplug the power plug before opening the housing. Have all the work carried out by authorised specialist personnel. All wiring must be in accordance with IEE & Building Regulations. Touch an earthed piece of metal to discharge static electricity from your body. Thermal actua- Property tor type Normally closed Opens the heating circuit if power is present at its control input Normally open Opens the heating circuit if power is not present at its control input Break out the openings for the cables on the housing using a diagonal cutter. Contacts that are open are live. Select a suitable cable in accordance with Table 2 for the power supply.

Take the technical data into account at thermal actuators: Total of 3 A maximum current, 250 mA continuous current per zone. Connect the boiler feedback in accordance with the following graphics (see the fold-out page, Fig. Each zone can control up to 3 actuators. 3 actuators can be connected directly for zone 1, 2 for zone 2 and 1 each for zones 3 through 5. One connection for the expansion module is available for each of the zones 6 through 8. If more than 11 thermal actuators are to be connected to the underfloor heating controller, the cables of the actuator must be wired in a distribution box. With controller MCR 40, the temperature and earth inputs are located at the following terminals: With controller ZG 252 N, the temperature and earth inputs are located at the following terminals: Up to three underfloor heating controllers can be connected to an antenna. When selecting the operating site ensure that the function of the antenna is not impaired. Depending on the design, the temperature selector and earth inputs are found on different terminals of the controller MCR 200. Only install the external antenna outside metal housings (e.

Connect the antenna in accordance with the following graphics (see the fold-out page, Fig. Connect the boiler feedback in accordance with the following graphics (see the fold-out page, Fig. 4 (9)). @@As soon as a zone is active, the pump is activated with a time delay. The pump switches off as soon as all the valves are closed.

LED (see fold-out page, Fig. 3 (6)) lights up green The when the pump is running. Snap the left and right snap lock back into place.

@@@@@@@@@Enter the room names in the zoning plan. @@@@@@Only one setpoint adjuster can be assigned to a temperature zone.

@ e. @@@@@@Keep the Mode button pressed for at least 4 seconds. @@@@@@Enter the room name in the zoning plan.

@@@@@@@@@Press the button MAN in order to switch the operating unit CM67z to the teach-in mode for Zone 2. The integrated sensor is now used to measure and control the room temperature in Zone 1. In order to assign the CM67z to a different zone, press the installation button until the LED of the desired zone flashes green. If the cooling function was activated (see "Cooling function", Page 9), a separate time program for heating and cooling can be assigned for each zone (e. Off Red Yellow Green No device installed Room temperature sensor/setpoint adjuster is installed Time program, setpoint adjuster and room temperature sensor are installed Hometric Manager or radio setpoint adjuster CM67z is installed If the heating/cooling is enabled, information about the current status can be called up. Depending on the heat requirement of the installed rooms the relay module HC60NG/R6660D controls the heat generator as a function of the valve setting. Press the button at the relay module HC60NG/R6660D for 5 seconds in order to activate the mode.

Keep the installation mode pressed for at least 2 seconds in order to access the installation mode. The underfloor heating controller can send a test signal to all the allocated radio receivers in order to test the signal strength.



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The underfloor heating controller sends a test signal every 5 seconds to the allocated radio receivers. The zone LEDs light up briefly during sending. You can exit the test mode by pressing any button. After 4 minutes the device changes automatically to normal mode. For information on sending a test signal to the underfloor heating controller read the instructions of the corresponding radio transmitter. Keep the installation mode pressed for at least 2 seconds in order to access the installation mode. When a test signal is received, the LED flashes green. The zone LED of the corresponding zone indicates the strength of the received signal by flashing (1=sufficient).

If the LED lights up, a fault exists in at least one temperature zone. the colours of the zone LEDs 1. 8 provide information on the type of fault in the respective temperature zone: Off Red flashing Yellow flashing Green flashing No fault No connection to the setpoint adjuster, room temperature sensor No connection to the setpoint adjuster and Hometric Manager HCM 200D or central operating device CM67z No connection to the Hometric Manager HCM 200D or central operating device CM67z The fault display extinguishes as soon as the fault has been eliminated. @@@@Home automation system from Honeywell.

@@@Point out particular features to the customer and ensure that they are aware of the possibility of expanding their system.

The underfloor heating controller retains its configuration after a power failure. Keep the Mode and buttons at the underfloor heating controller pressed simultaneously for at least 10 seconds. After 4 seconds the controller changes over to test mode Continue to keep the button pressed until the LED flashes yellow. The LED lights up yellow (flashes rapidly). Problem Power LED does not light up when the power is switched on.

LEDs 1. 8 of the zones do not illuminate green continuously during startup. The room name is not assigned. Check whether or not the Hometric Manager is installed. Check whether or not a room name is assigned to zone. 8 of the zones do not illuminate red continuously during startup. the setpoint adjuster cannot be assigned. Check whether or not batteries in setpoint adjuster are inserted properly. The LED lights up red after commissioning. There is a fault in one of the temperature zones (see Page 12).

Check whether or .



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