

<p>Instruction for installation and use</p> <p>Electronic Thermostat with controller of Floor heating for individual rooms</p> <p>6011</p> <p>Version 07/2022</p>	<p>Fig. 1</p>	<p>Fig. 2</p> <p>Installation turn off main power source.</p>	<p>Safety Advice Only an authorised electrician should install the thermostat. All safety regulations must be followed.</p> <p>Attention In case of system failure mains voltage may be connected to sensor cable.</p> <p>Assembly</p> <p>Depth 42mm mounting dept in conduit box 25 mm</p>												
<p>Specification</p> <p>The room temperature controller with controller of floor temperature is used to regulate electronic floor-direct-heating (for main area and marginal zone- additive heating).</p> <p>The controlled process variable is room temperature.</p> <p>The controller of temperature with remote sensor does check in floor the top temperature at heater mat.</p>	<p>function</p> <p>Room temperature (5° - 30°C) can be mechanically setting with rotation range and adjusted by electric of this controller.</p> <p>An electronically realised, thermal feedback does provided for optimal control exactness.</p>	<p>night reduction</p> <p>An external time switch can be used to implement a timed operating mode, especially for night reduction. For this L conductor must be connected to the terminal marked TA, therefore the room temperature is reduced about 5°C by controller below the adjusted value by dial. Otherwise terminal TA should remain unconnected. Instead of time switch it is possible to use controller (6025 or 6020) with time operating with timing for night reduction for main controller . Therefore the controller without timing would be satellitecontroller. The terminal TA (from main controller) must be connected with terminal TA of satellitecontroller. If the main controller of reduced temperature the satellitecontroller is reduced about 5 °C. It is possible to connect 10 satellites on one main controller.</p>	<p>function of floor temperature controller</p> <p>The external temperature sensor does control the floor-temperature. For adjustment the limit temperature which doesn't exceed take of the cover. Than take a screwdriver and adjust the limit temperature at potentiometer of the top board from 20°C... 60°C</p> <p>Setting the limit temperature</p> <table border="1"> <thead> <tr> <th>floor</th> <th>floor covering Cadding</th> <th>fitted carpeting</th> </tr> </thead> <tbody> <tr> <td>main range (max. 45°C)</td> <td>35°C</td> <td>40 °C</td> </tr> <tr> <td>external (max. 60°C)</td> <td>45°C</td> <td>50°C</td> </tr> </tbody> </table> <p>The sensor feed line is controlled electronically.</p> <p>Short-circuit or interruption in the sensor line: The heating system is disconnected. Attention: If the floor temperature sensor not connect the heating does not activate.</p>	floor	floor covering Cadding	fitted carpeting	main range (max. 45°C)	35°C	40 °C	external (max. 60°C)	45°C	50°C			
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<p>Limiting the temperature range</p> <p>The temperature setting range can be mechanically limited by reducing the rotation range of the adjustment dial. To do this, proceed as follows:</p> <p>Remove the adjustment dial carefully with a screwdriver.</p> <p>Pull out the range limit stop pin from the housing cover using a long nose pliers. Rotate the wheels to limit the rotation angle as required.</p> <p>Insert the stop pin an then refit the adjustment dial back in position.</p> <p>-for this the mains voltage must not disconnect</p>	<p>Technical Data</p> <p>Mains voltage: 230 V~+/- 10 %, 50 Hz Breaking current: 12 (4) A Switching capacity: 2,7 kW Differential gap: 0,7 K Temperature sensor: NTC, 2kΩ Sensor cable length: 4 m Room controller version: 5 to 30 °C Floor controller version: 20 to 40°C Ambient temperature rating: -10 to + 40°C Connecting cable: max. 2,5 mm² Energy class: IV = 2.0%</p> <table border="1"> <thead> <tr> <th>temp. °C</th> <th>resistor</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>3,66</td> </tr> <tr> <td>20</td> <td>2,43</td> </tr> <tr> <td>30</td> <td>1,66</td> </tr> <tr> <td>40</td> <td>1,15</td> </tr> <tr> <td>50</td> <td>0,82</td> </tr> </tbody> </table>	temp. °C	resistor	10	3,66	20	2,43	30	1,66	40	1,15	50	0,82	<p>Assembly</p> <ul style="list-style-type: none"> - install ca. 1,5 m above the floor - Avoid draughts from windows an doors - Make sure the thermostat is not positioned under curtains or between shelves or other objects that block normal room circulation. - Heat from sources other than the heater can adversely affect the thermostat's precision. <p>Assembly sensor</p> <ul style="list-style-type: none"> -The sensor must be placed separately in a protective tube at heating mat level between heating conductors. <p>Disconnect mains voltage! – assembly temperature controller</p> <p>The thermostats are built in standard flush-type mounting boxes of 55-mm diameter. If the box is needed for any other wiring, a deep box is recommended.</p> <ul style="list-style-type: none"> - Remove the adjustment dial carefully with a screwdriver. - after remove the screw take the coverage Attention: the jumper ring must be take over the wallpaper, controller with UP-screws must installed on box. - pay attention by connection for fig. 21 - after connection take the cover of UP and screw on UP - now take the adjustment dial of this part 	
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