UTR BLUE CTS Color Touch Heating Thermostat

- The thermostat is a digital thermostat, which is designed for electric floor heating system or water heating system. Using 4.3inch color touch LCD display, the working status can be easily understood. With built-in four languages, you can select the languages you want to display.
- With five modes, the system can work according to your desired pre-set temperature conveniently. And the 5+1+1 days programmable function, which is easy-to-program on/off settings per day.
- Simple regulation which sends On/Off commands to the heating system according to a pre-selected temperature variation. The thermostat control algorithm includes an anticipation function which reduces the discrepancy between the thermostat reading and the temperature at the centre of the room.
- Choose from three (3) sensor setting: Ambient (built-in sensor) - to control the air temperature; Floor - to control the temperature using the floor probe; Ambient and Floor - to control the ambient air, and show floor temperature by using the floor probe.

PRODUCT FEATURES

- 4.3inch Color Touch Screen Operation
- Electric Heating System (Max. 1.6A)
- Adjustable Comfort Mode, Economy Mode, Party Mode, Holiday Mode and Program Mode Control
- 5+1+1 Days Programmable
- External and Internal Sensor Select
- Four languages select: English, French, German, Dutch
- Clock and Date Display
- Temp. Calibration
- Temp. Protection

PRODUCT SPECIFICATION

- Voltage: 230V, 50/60Hz
- Load Current: 1.6A (Max)
- Temp. Setting Range: 5-35°C
- Ambient: 0-50°C
- Sensor: NTC3950, 10Kohms at 25°C
- Accuracy: ±0.5°C
- Protection Class: IP30

1 ON/OFF Button Use to turn on/off Thermostat
2 Mode Button Use to choose Working Mode
3 Menu Button Use to Menu Settings
4 Down Button Decrease Temp. or other parameter setting
5 Up Button Increase Temp. or other parameter setting
6 External Temp. Show Floor Temp.
7 Room Temp. Show Actual Room Temp.
8 Set Temp. Range: 5-35°C
9 Room Temp. Icon Room Temp. Icon
10 Mode Icon Show Current Working Mode
11 Clock Icon Show Current Time & Enter Parameter Setting
12 Weekday Icon Show Current Weekday
13 Heating Icon Will Show When in Heating
14 Mode Icon Show Current Working Mode
15 Date & Time Button Use to Set Weekday and Time
16 PRG. Schedule Review Button Use to Check 5+1+1 Days Programmable Schedule
17 Mode Temp. Pre-set Button Use to Pre-set Mode's Working Temp.
18 Language Select Button Use to Select English, French, German & Dutch Language
20 Comfort Mode Button Once Select, Thermostat Will Work According to Pre-set Temp. of Comfort Mode.
21 Economy Mode Button Once Select, Thermostat Will Work According to Pre-set Temp. of Economy Mode
22 Party Mode Button Once Select, Thermostat Will Work According to Pre-set Temp. of Party Mode.
23 Holiday Mode Button Once Select, Thermostat Will Work According to Pre-set Temp. of Holiday Mode.
24 PRG. Mode Button Once Select, Thermostat Will Work According to Pre-set Temp. of 5+1+1 PRG Mode.
1. SCHEDULE REVIEW & EDIT
You can review the weekly schedule. You can press the three columns to change the 5+1+1 events.

For example, if you want to edit Sat. schedule, you can press Sat. column, then you will enter the edit page as picture shows. Every setting can be finish by pressing or button.

2. TIME AND DATE SETTINGS
Press Menu button, choose Time and date button to set date and time. After setting, press “APPLY” to save the changes.

3. MODE PRE-SET TEMP. SETTINGS
Press Menu button, choose mode settings button to pre-set mode working temp. by up and down button. After setting, press “APPLY” to save the changes.

4. HIGH PROTECTION SETTINGS
Press Menu then select Protection button to enter Protection Settings page. You can set High Protection temp. & Low Protection temp. by up and down button. After setting, press “APPLY” to save the changes.

5. ENTER PARAMETER SETTINGS
Within 3 seconds after turning thermostat to OFF mode, press the “HEATING SOLUTIONS” for 3 seconds, then will enter parameter setting, you can set the desired value by pressing << or >>, and go to other pages by pressing “Prev” or “Next”.

<table>
<thead>
<tr>
<th>Menu</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Temp. Offset</td>
<td>-8°C ~ 8°C</td>
</tr>
<tr>
<td>02</td>
<td>Dead Zone</td>
<td>0°C ~ -3°C</td>
</tr>
<tr>
<td>03</td>
<td>Set Point Max.</td>
<td>5°C ~ 33°C</td>
</tr>
<tr>
<td>04</td>
<td>Set Point Min.</td>
<td>5°C ~ 35°C</td>
</tr>
<tr>
<td>05</td>
<td>NTC Select (Internal, External)</td>
<td>I only, E only, I &amp; E, I or E</td>
</tr>
<tr>
<td>06</td>
<td>Low Protection Max.</td>
<td>5°C ~ 10°C</td>
</tr>
<tr>
<td>07</td>
<td>Low Protection Min.</td>
<td>5°C ~ 10°C</td>
</tr>
<tr>
<td>08</td>
<td>High Protection Max.</td>
<td>5°C ~ 90°C</td>
</tr>
<tr>
<td>09</td>
<td>High Protection Min.</td>
<td>5°C ~ 90°C</td>
</tr>
<tr>
<td>10</td>
<td>Backlight off Time after Operation</td>
<td>3s ~ 180s</td>
</tr>
<tr>
<td>11</td>
<td>Min. Backlight Brightness of Standby Status</td>
<td>1% ~ 100%</td>
</tr>
<tr>
<td>12</td>
<td>Relay Delay Time</td>
<td>0s ~ 250s</td>
</tr>
<tr>
<td>13</td>
<td>Relay Output</td>
<td>Normal(NO); Inverted(NC)</td>
</tr>
<tr>
<td>14</td>
<td>Restore</td>
<td>&lt;&lt; or &gt;&gt;</td>
</tr>
</tbody>
</table>

6. WIRING DIAGRAM

7. INSTALLATION
Using a screw driver to open the upper and lower body part, then connect the wiring to the terminals tightly, then fix the lower body part into wall with attached screws.

1. 
2. 
3.