

Rixen Digital Heating Thermostat

Manual v2.3

Purpose:

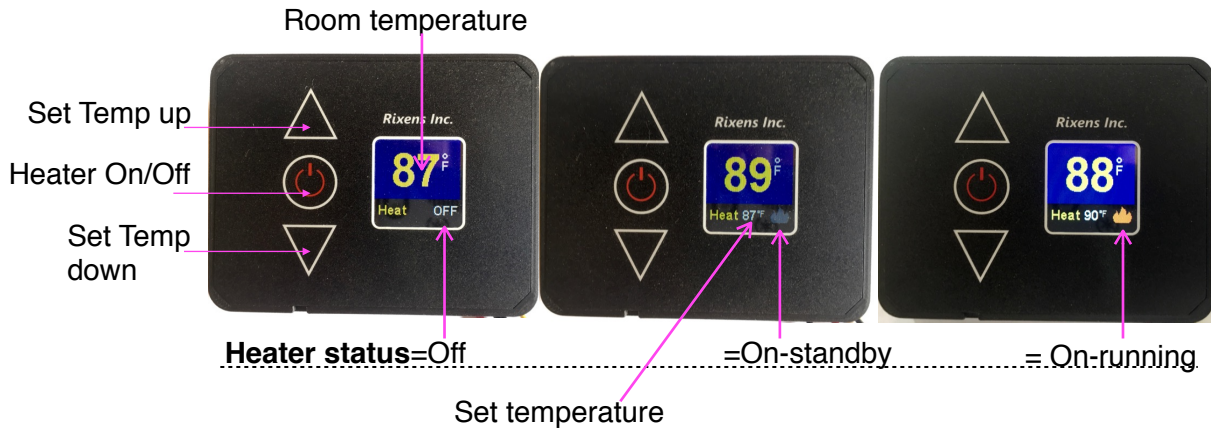
Measure and display room temperature.

Switch on heat source when room temperature falls below Set temperature.

User interface:

Only light pressure is needed to operate the 3 buttons. Display will dim after 15 seconds, tap any of the 3 buttons to return to full illumination.

1. Buttons and Display



2. Heater ON/OFF

Tap the On/Off button to toggle between On or OFF.

Display will either show "OFF" or show the Set temperature together with a pictogram for heater status.

3. Adjust desired temperature (Set temperature)

Touch and hold either Up arrow or Down arrow button for approx. 2 seconds until the Set temperature display will change color from 'blue' to 'white', to indicate that the Set temperature is ready to be changed.

Tap Up or Down to adjust Set temperature to desired value (1 degree per tap). After 4 seconds of inactivity the Set temperature display will switch back to a blue color and the Up and Down buttons are locked again.

4. Setup Programming options:

- Set display to Fahrenheit or Celsius
- Temperature sensor select:
Internal (default) or
External Sensor (Note: external sensor needs to be ordered separately)



Internal temp sensor location

To enter programming mode:

Hold the On/Off button until the display appears.

To toggle between Internal and external sensor tap the up arrow (only one sensor active at a time).

To toggle between Fahrenheit and Celsius tap the down arrow.

To leave programming mode tap the On/Off button.

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Wiring:

Red 12VDC + (install fuse - not supplied - 10A)
Black Ground
Yellow Switched Output 12VDC max 5A
2x Blue External temperature probe (no polarity), sensor is optional, insulate wires when not used

Specs:

Operating Voltage: 10V - 16V
Power consumption: 19mA max, 10mA standby (@ 12.3V)

Mounting:

2x pems, drill 1/4" or 6mm holes
Cable hole 1/2" or 13mm

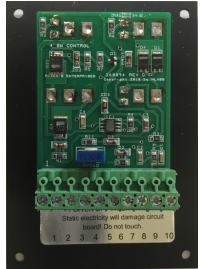
Dimension:

87mm (W) x 70mm (H) x 13mm (H)

If wired to Rixen MCS5 4 Switch Panel:

Red- to Pin 10 (no fuse required)
Yellow- to Pin 9
Black- to any Ground

This only applies if the install is done without the Rixen Relay Harness



If wired to the Rixen 'Relay Harness':

Red- to Red on the T-Stat lead
Yellow- to Yellow on the T-Stat lead
Black- to Black on the T-Stat lead

Mounting template:

Print template - verify that your printer did not scale the drawing

2 different mounting pems are possible, verify which style you have before drilling

