

Temperature Measurement: 0 - 40°C
 Temperature Accuracy: ±1.0°C
 Temperature Control: 5 - 35°C
 Temperature Control Span: 1°C
 Output On Delay: 20 seconds
 Operating Temperature: -10°C to 50°C
 (non-condensing)
 Storage Temperature: -30°C to 60°C

Model: RSD

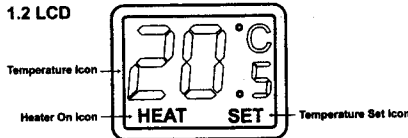
Digital Room Operation

Instruction Manual

TOWERSTAT RSD

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1.2 LCD



1.3 Features

Several useful functions and operating modes have been incorporated to adapt a variety of customer needs.

- LCD shows the "NEED TO KNOW" Information only, which is more easy to understand
- Room Temperature Display
- Simplified Temperature Adjustment
- Heater Operation Mode
- 2 x AAA Size Alkaline Batteries (not Included)
- Slim Housing Design

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2.2 Removing your old thermostat

CAUTION: To avoid electric shock, turn off the power of the heating system at the main power box in your home. Read the following instructions carefully before disconnecting the wires.

1. Turn off the old thermostat.
2. Remove the cover from the old thermostat.
3. Unscrew the old thermostat from the wall plate.
4. Find and remove the screws attaching the wall plate to the wall. Pull the wall plate a small distance from the wall. Do not disconnect any wire yet, simply locate the wires.

Warning: After removing the wall plate, if you find that it is mounted on a junction box (e.g. a box similar to one behind a light switch or electric outlet), high voltage circuit may be present and there is a danger of electric shock. Please consult a qualified electrician.

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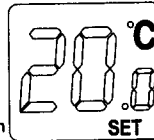
3. The best viewing angle is 12 o'clock direction as shown in figure.

2.5 Mounting

1. Mounting the thermostat onto the wall.
2. Remove completely the front housing of the thermostat by using a screwdriver. (see picture)
3. Mark the holes' position and align the wire coming from the wall in the hole beside the connectors. (see picture)
4. Drill two holes and insert the plastic anchors provided carefully into the holes until they are flush with the wall.
5. Fasten securely the thermostat to the wall with the two screws provided.

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2. When power up or after reset, the factory preset control temperature 20°C is shown.
3. Hold ▲ or ▼ button about 3 seconds and the temperature indicator will flash one time.
4. Press ▲ or ▼ button to increase or decrease the temperature setting.
5. Hold ▲ or ▼ button to fast advances the adjustment rate.
6. The unit will be back to normal operation mode automatically when no button is pressed to about 10 seconds.
7. Program temperature can only be set in the control temperature range from 5°C to 35°C, not wrap around at two ends.
8. When pressing the ▲ button to increase the temperature to 35°C, there is no further increment.



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2.9 Temperature Span

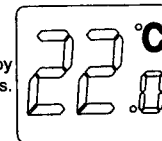
Span is the temperature difference between the turn ON and OFF temperature. The factory pre-set span is 1°C. For example, control temperature setting is 20°C. The heater will be operated when the room temperature drops to 19.5°C and will be turned off when the temperature rises to 20.5°C.

2.10 Temperature Measurement

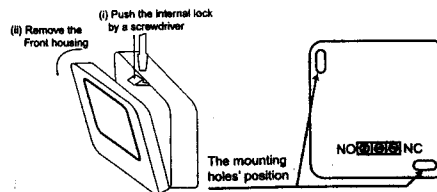
'HI' will be shown when temperature is above 40°C and 'LO' will be shown when temperature falls below 0°C.

2.11 Power Installation

The thermostat is operated by two AAA 1.5V Alkaline batteries. (Not provided)



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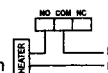


2.6 Connecting the Wires

1. Connect the system wires to the terminals according to the wiring diagram shown in the section 2.7 "WIRING DIAGRAM".

2.7 Wiring Diagram

The RSD thermostat can be used with single stage heating system. Inside the thermostat, three terminals which label COM, NC



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