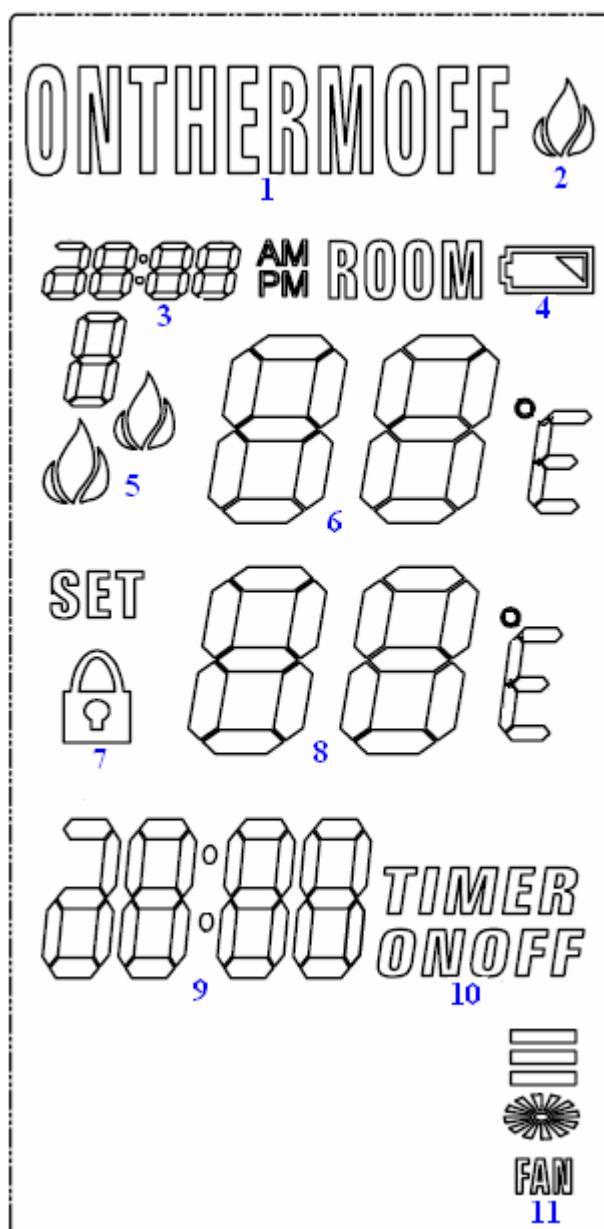


5301 Operation description

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● LCD Diagram





● LCD Indicator:


1. ON / THERMO / OFF: Indicates operation MODE of system.
 - ON indicates the system is on, either manually or thermostatically.
 - OFF indicates the entire system is turned off.
 - THERMO indicates the system will automatically cycle on/off,

depending on programmed.

2. System ON flame: Indicates whether system ON or not.
3. Clock: Indicates the current time in AM/PM.
4. Low Battery: Battery power is low. Replace batteries within two weeks.
5. Reserve Flame Icon : Reserved for providing multiple flame modulation levels by providing a variable current output to specific modulation device.
6. ROOM °F OR °C: Indicates current room temperature.
7. Child Proof: Lock-out operation of the appliance.
8. SET °F OR °C: Appears the desired temperature to indicate setting room temperature during the time of setting in the thermo operation.
9. Timer: Indicates time remaining before system shuts off, when timer-programmed; 9-hour maximum setting.
10. Timer ON/OFF: Indicates whether timer activate or not.
11. Reserve Fan Icon : Reserved for providing multiple fan modulation levels by providing a variable current output to specific modulation device.

1. Button Description:

- 1) Mode/Set or  (Touch Panel Region): To operate the system in the manual mode, ON/ ON THERMO/ THERMO OFF/ OFF.
- 2) Mode/Set: The Set is activate in Initial Setting mode or Timer Countdown mode that is accept the setting.
- 3) UP/DOWN:
 - To adjust the values, Clock/ Timer/ Set Temperature/ Set Swing.
 - Setting °F / °C scale: Press and hold the UP button and the DOWN button on the transmitter at the same time. Follow this same procedure to change from °C back to °F . When changing between the °F and °C scales, the temperature in the SET frame defaults to the lowest temperature (45°F, or 6°C). The highest SET temperature is 99°Fahrenheit (32°Celsius).
- 4)  (Touch Panel Region):
 - To enable/ disable timer in TIMER Countdown mode activate.
 - Press and hold it for more than two seconds to enter the clock setting and accept the clock setting to quit the clock setting mode.
- 5) Child Proof Lockout: To activate/disengage the child-proof lockout feature,

press and hold **TIMER**
ON/OFF and “UP” buttons for 5 seconds, “” will briefly appear/disappear on screen.

- 6) Swing Setting: Press the **TIMER**
ON/OFF and “DOWN” buttons simultaneously to enter Swing Setting mode.

● Operation Description:


1. Mode:
 - ON OPERATION: Press the “MODE” key into the ON mode. The appliance flame will come on. During this time the screen will show ON and System ON flame. The TIMER function will be activated.
 - THERMO OPERATION: Press the “MODE” key into the THERMO mode. The transmitter will check the ROOM temperature and SET temperature to decide the situation ON THERMO or THERMO OFF. After 2 seconds the LCD screen will display the situation by temperature detected that is comparing with the SWING temperature scale.
 - OFF OPERATION: Press the “MODE” key into the OFF mode. The appliance flame will shut off. During this time the screen will show OFF. The TIMER function will be shut down.
2. THERMOSTAT FUNCTION:
 - SETTING DESIRED ROOM TEMPERATURE: This remote control system can be thermostatically controlled when the transmitter is in the THERMO mode. To set the THERMO MODE and DESIRED room temperature, During the THERMO mode, Press “Up” / “DOWN” key the LCD screen set numbers will increase / decrease between 45° and 99° Fahrenheit.
 - THERMO ON situation: During this mode the screen will display the set flame/valve at the same time enable the TIMER function setting.
 - THERMO OFF situation: During the situation the TIMER function will be shut down.
3. Setting Swing:
 - To change the temperature “SWING” setting (1-3), press the TIMER/TIME and DOWN buttons simultaneously to display the

current “SWING” setting in the SET TEMP frame. The letter “S” will display in the ROOM TEMP frame on the LCD screen.


- Press the UP or DOWN button to change the temperature differential or “SWING” (1-3). See above for 1-3 “SWING” temperature valves.
- To store the “swing number press the SET button or allow 15 seconds to lapse, and the new “swing number” will be automatically programmed.


4. Child Proof “Lock-out”:


- To activate the “LOCK-OUT” feature, press and hold the UP and

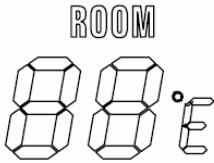
TIMER/TIME buttons, together, for 5 seconds. The  will appear on the LCD screen.


- To disengage the “LOCK-OUT”, press and hold the UP and TIMER


buttons, together for 5 seconds or more, and the  will disappear from the LCD screen and the transmitter will return to its normal operating condition.

5. Low Battery () will appear when battery power has dropped significantly.

6. The System Icon () will be showed if the system is ON.

7. The room temperature  always shows on screen, which range between 32 and 99 Fahrenheit.

8. The Child Proof () will appear on screen if the “Lock-out” Feature is activation.

9. The Flame icon (), the main flame indicates burner/valve in operation and additional flame is reserved for specific modulation device.



10. The Fan icon () is reserved for specific modulation device.

● Further Description

- 1) Radio Frequency range: 303.8MHZ
- 2) The remote receiver is SR 1001.
- 3) The remote controller effective distance is above 40 feet.

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.