Model 43758 Remote Sensor
Instruction Manual

44009-0

02/23/2007

Your B500 thermostat can support up to 3 Remote Sensors that can measure the temperature from 3 locations - two indoor and 1 outdoor. You can mount the Remote Sensors on a wall or other horizontal surface, or you can set the Remote Sensors on tables or other horizontal surfaces.

Consult the Thermostat Instruction Manual, page 13, Option 8 for instructions in setting the thermostat to accommodate the remote sensors.

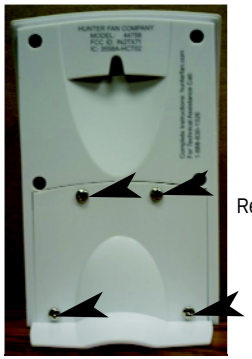
NOTE

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

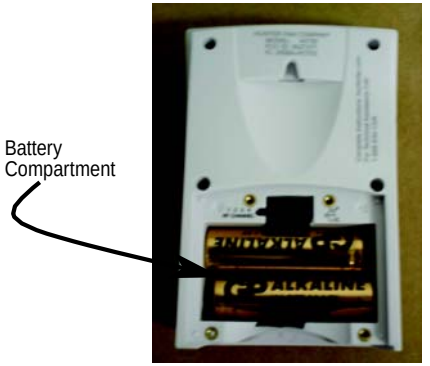
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

1) Remove the four screws on the back of the Remote Sensor.

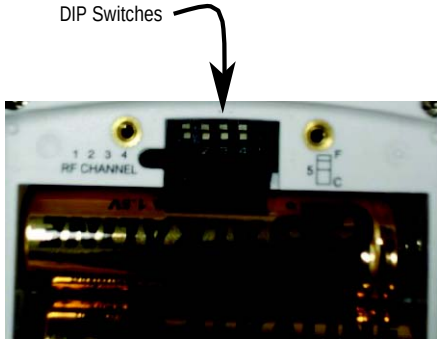


2) The Outer Cover will drop off. Then remove the Battery Compartment Cover, which is un- derneath the Outer Cover.

3) Install two fresh AA alkaline batteries into the Battery Compartment, being careful to observe the battery polarities.

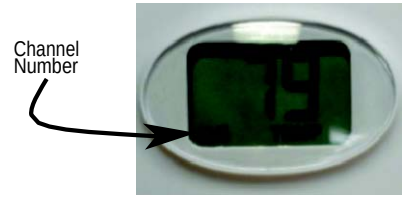


3) Use the tip of a paper clip to set the Remote Sensor DIP Switches. Select any DIP Switch con- figuration you desire.

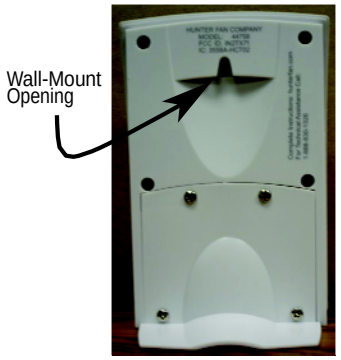


4) Use the four screws to reattach the Battery Compartment Cover and the Outer Cover.

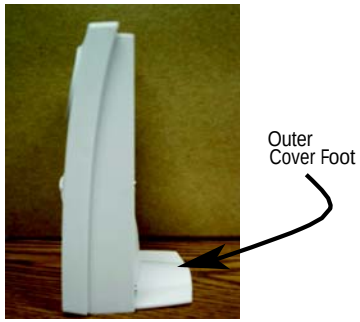
5) The Remote Sensor Screen will display the ambient temperature and, in the bottom-left corner, a channel number between 0 and 15. See Figure 5. This will be the channel to which you will set the thermostat to read the Remote Sensor. See the Thermostat Instruction Manual, page 13, Option 8.



6) Use the provided screw to mount the Remote Sensor on a wall or other vertical surface. The back of the Remote Sensor has a Wall-Mount Opening from which it will hang from the provided screw.



7) To rest the Remote Sensor on a table or other horizontal surface, remove the four screws from the back of the Remote Sensor, and remove the Outer Cover. Flip the Outer Cover around so that the Outer Cover Foot extends from the back of the Remote Sensor. Use the four screws to reattach the Remote Sensor Outer Cover. Rest the Remote Sensor on the horizontal surface of your choice.



OPERATION

Initial Start-Up

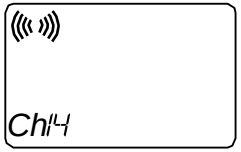
1. When the batteries are installed, the LCD Display will show

a. the first initializing screen for approx. 2 seconds,

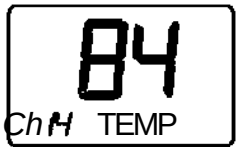
b. the second initializing screen for approx. 2 seconds,

c. the normal operating screen.

First Initializing Screen



Second Initializing Screen

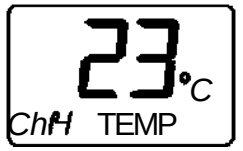


Normal Operating Screen

Indications

Normal Temperature Indication

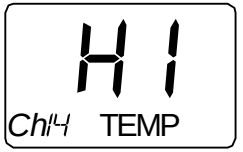
Your thermostat determines whether your Remote Sensor shows the temperature in Fahrenheit of Celsius. If your thermostat is set to show the temperature in Celsius, your Remote Sensor will show the ºC indication next to the temperature.



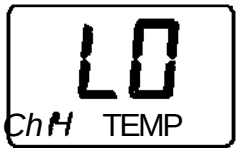
Celsius Indication

Temperature Measurement Range

Your Remote Sensor will show temperatures from -40ºF to 122ºF (-40ºC to 50ºC). If the temperature is greater than 122ºF (50ºC), the LCD will show "HI". If the temperature is lower than -40ºF (-40ºC), the LCD will show "LO".



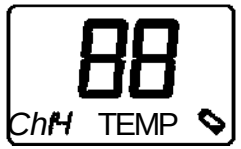
Temperature greater than 122ºF (50ºC)



Temperature lower than -40ºF (-40ºC)

Low Battery Indication

When your Remote Sensor's battery is running low, the LCD will show the flashing Low Battery Indication to remind you to install two fresh AA Alkaline batteries at your ealiest convenience. At this point your Remote Sensor will continue to function normally.



Low Battery Indication

Depleted Battery Indication

If your Remote Sensor's battery is depleted to the point that the LCD is showing only the flashing Low Battery Indication, your Remote Sensor has ceased functioning and will continue in this condition until two fresh AA Alkaline batteries are installed. Without further attention, the LCD will eventually go blank.

Depleted Battery Indication

Your Remote Sensor will return to normal operation when fresh batteries are installed.

Troubleshooting

Problem: LCD is Blank.

Solution: Make certain your Remote Sensor's batteries are 1) installed correctly, with polarities correctly positioned, and 2) fresh.

Problem: Thermostat is not showing the same temperature as the Remote Sensor.

Solution: Make certain you have the correct Remote Sensor selected at your thermostat (if you are using more than one Remote Sensor).

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