Important Notes

1. The Wireless Temperature Sensor is a part of a system and is used to control HVAC equipment with a compatible Lutron Controller (LRH-2). Up to 4 Wireless Temperature Sensors may be used per Lutron Controller. The Wireless Temperature Sensors will be assigned between the Wireless Temperature Sensors and HVAC equipment.

2. A Wireless Return Air Duct Sensor MUST be wired to the HVAC Controller. Refer to the HVAC Controller Installation Guide (PN 041-296 Rev. A) for correct wiring instructions. 

3. Clean Sensor with a soft damped cloth. DO NOT use any chemical cleaner.

4. The Wireless Temperature Sensor is designed for indoor use only. Operate between 30 °F and 104 °F (2 °C and 40 °C).

5. DO NOT paint the Wireless Temperature Sensor.

6. Use only high quality lithium batteries, one (1) CR2430, 3 V (ANSM. 2026LC, IRC-2430).

7. DO NOT use rechargeable batteries. Using improperly rated batteries could damage the Wireless Temperature Sensor.

8. Do not mix or mix with other brands.

9. Do not over-tighten the mounting bracket as shown in the diagram. Press firmly.

10. Use care to avoid damage to the Wireless Temperature Sensor.

NOTE: DO NOT damage, crush, puncture, drop on a hard surface, subject to high heat, place in water, incinerate, or other batteries in any way. Please dispose of batteries in compliance with all applicable legal requirements. Your waste disposal provider may have information regarding some local state or county battery disposal.

California residents: The batteries in these devices contain Perchlorate Material—special handling may apply. For more information visit www.oehha.ca.gov/headsup/oehha/perchlorate.

Getting Started

1. Before setting up the Wireless Temperature Sensor, the Lutron HVAC Controller must be installed. Refer to the HVAC Controller Installation Guide (PN 041-296 Rev. A).

2. Place the Wireless Return Air Duct Sensor within 6 in (15 cm) of other RF devices. Place the Wireless Return Air Duct Sensor within 4 ft (1.2 m) of light bulbs or any other RF devices. Do not place the Wireless Temperature Sensor within 4 ft (1.2 m) of HVAC supply vents or on or within 2 ft (0.6 m) of an exterior wall.


4. Enter "Main Repeater" mode on the HVAC Controller for 6 seconds until green LED begins to rapid-flash (once per second). After LED turns off (can take up to 30–60 seconds), system has exited Add Mode.

5. Press and hold the "Add" button on any Repeater for 3 seconds until "Add" LED begins to rapid-flash. After LED turns off (can take up to 30–60 seconds), system has exited Add Mode.

Testing the Wireless Temperature Sensor

Before testing the Wireless Temperature Sensor, ensure the power to the receiving HVAC Controller do not turn on. The Wireless Temperature Sensor should be installed in a location that best represents the temperature of the room or area that it is controlling. Determine the Wireless Temperature Sensor placement using the following recommendations and diagram.

If using one Wireless Temperature Sensor, place near an HVAC return grill, 5 ft (1.52 m) up from the heat source.

If using more than one Wireless Temperature Sensor, the Wireless Temperature Sensor will be mounted on a solid wall such as drywall, plaster, concrete, or wood. One 3/8”-16 VSWK (LRF2-TWRB) to attach the Wireless Temperature Sensor to the mounting bracket. 

DO NOT use the adhesive strip on the wall, as they will likely cause damage to the wallpaper upon removal.

1. Print the "Command Strip” line of the adhesive strip, and apply the strip to the fast side of the mounting bracket as shown in the diagram. Press firmly.

2. Information visit www.lutron.com/HS-WPDF.

3. The Wireless Temperature Sensor should be installed on a wall side facing the area you want to control. The seeTemp Wall Display should be mounted on the backside of the area to be controlled.

NOTE: DO NOT move a repeater closer to a wall display.

4. Position the mounting bracket on a clean, dry, dust-free wall and press to firmly attach the bracket.

5. Turn the Wireless Temperature Sensor on by moving the switch to the "ON" position.

6. Turn off the Wireless Temperature Sensor.

7. Remove the Wireless Temperature Sensor from the mounting bracket by pulling the sensor back to the "NU" position as shown in the diagram. Repeat steps 1 to 6 in the section Testing the Temperature Sensor.

8. Attach the Wireless Temperature Sensor to the mounting bracket.

9. Attach the sensor to the wall side facing the area you want to control using the following recommendations and diagram. 

NOTE: Leave the removal tab exposed past the edge of the bracket so it can be accessed for removal later. 

NOTE: NOTE: DO NOT place the Wireless Temperature Sensor near a solid wall such as drywall, plaster, concrete, or wood. One 3/8”-16 VSWK (LRF2-TWRB) to attach the Wireless Temperature Sensor to the mounting bracket. 

Permanent Mounting Methods

The Battery is exposed past the edge of the bracket so it can be accessed for removal later.

If not completely satisfied, it should be permanently attached to the wall, as described in section Permanent Mounting Methods.

2. Temporary Mounting

7. Do not pull at an angle.

3. Do not pull at an angle.

New wall side facing the area you want to control using the following recommendations and diagram.

Technical Assistance

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