



R250W

Pro1 Technologies

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Hours of Operation: M-F 9AM - 6PM Eastern



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The R250W requires the PROsync™ Wireless System T755WHO thermostat.

Caution: Equipment Damage Hazard

Do not operate the cooling system if the outdoor temperature is below 50°F (10°C) to prevent possible compressor damage.

Una version en espanol de este manual se puede descargar en la pagina web de la compania.

Specifications

Operating Temperature -40°F to 140°F (-40°C to 60°C)
Operating humidity..... 90% non-condensing maximum
Dimensions of sensor 3.875"W x 3.875"H x 1.125"D

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Rev. 2403

Mounting the Outdoor Sensor

Connecting to the Main Thermostat

The Outdoor Sensor must be paired to a PROsync Equipment Module. (sold separately)

On the Equipment Module:
1. Press the PAIR button below the LED. The equipment module will begin double blinking pink for 2 minutes while it waits for a remote to join.

2. Press the button on the inside of the outdoor remote sensor (A). The LED on the outdoor remote sensor will begin to flash pink (B).

3. When the equipment module receives the pairing message, it will blink blue repeatedly, then return to blinking green.

4. The outdoor remote sensor will blink green when it is paired, then the LED on the outdoor sensor will turn off.

5. Install the outdoor sensor.

Checking outdoor remote sensor temperature:

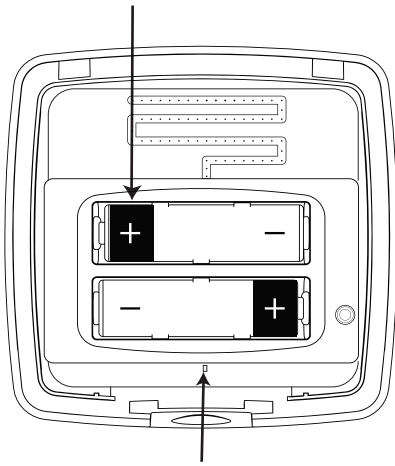
After the outdoor remote sensor is paired, on the indoor remote sensor press the light button(A) and WAIT 30 seconds.

The antenna icon(B) will flash 3 times, and the outdoor temperature(C) will appear at the top of the LCD screen.

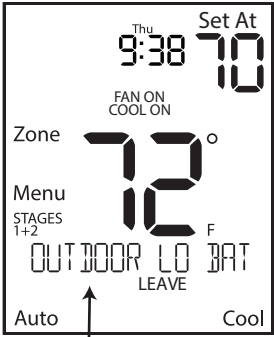
To check the connection of the outdoor remote sensor to the equipment module at the installation site, press the button on the outdoor sensor (located under the front cover) and wait 15 seconds. The LED will blink white while the outdoor sensor is checking the connection and then show the following status indicators: **BLUE** - Good Connection - **YELLOW** - Weak Connection - **RED** - No Connection / out of range.

Installing Batteries

To install 2 AA batteries remove the cover of the front housing and insert batteries as show below.



After batteries are installed you will see the light turn on for approximately 10 seconds. The light will briefly illuminate WHITE when batteries are installed.



NOTE About Low Batteries:

When the outdoor sensor batteries need to be changed the **Main Thermostat** will flash **OUTDOOR LO BAT** as seen above. When **OUTDOOR LO BAT** appears, the user has ~3 months to change the batteries.

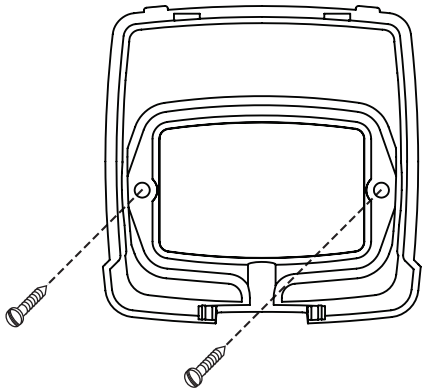
Battery types

- **Alkaline AA** batteries will perform well in most applications.
- **Lithium AA** primary cell batteries are recommended for cold climates. See the battery manufacturer product specifications for details.
- **Rechargeable batteries** are not recommended.

Establishing Communication

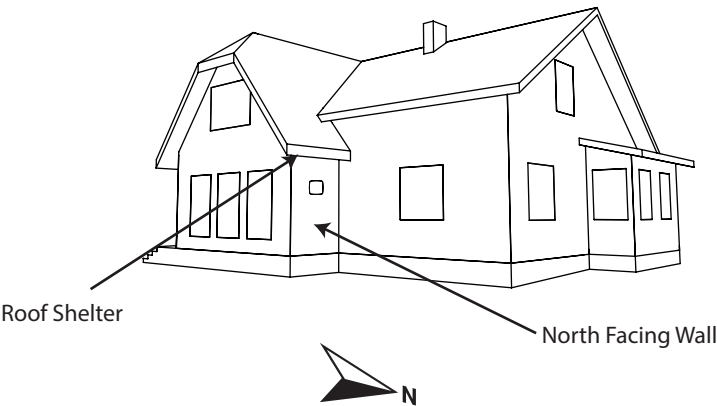
Mounting the Outdoor Remote Sensor

To install remove the front cover and place a screw in the left and right screw holes.





IMPORTANT:

Do not install in direct sunlight. For best results, install on a north-facing wall, sheltered by a roof overhang or something similar.

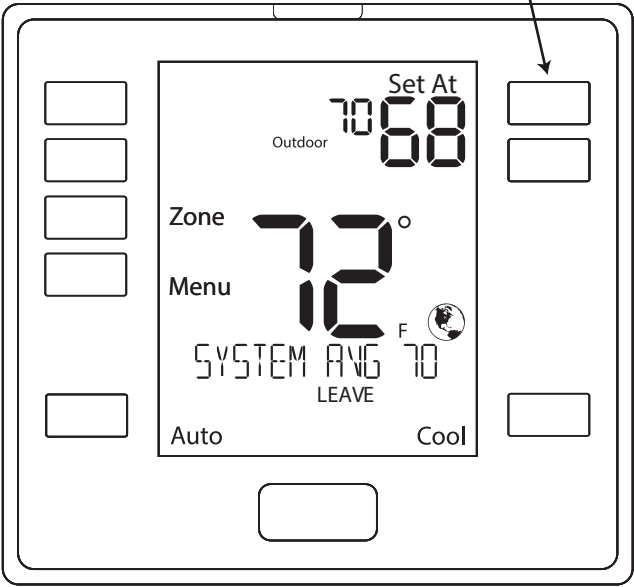










These steps must be done from the MAIN Thermostat in your PROsync System. This thermostat has a technician setup menu for easy installer configuration. To set up the thermostat for your particular application:





1. Press the **MENU** button.
2. Press and hold the technician setup button for 3 seconds. This 3 second delay is designed so that homeowners do not accidentally access the installer settings.
3. Configure the installer options as desired using the table below.

Use the  or  keys to change settings and the next step or previous step key to move from one step to another. **Note:** Only press the **DONE** key when you want to exit the technician setup options.

4. Press the **DONE** key to exit.



Tech Setup Steps	LCD Will Show	Adjustment Options	Default
Free Cooling (Only displayed if an outdoor remote sensor is paired to the equipment module)		Use the  and  buttons to select ON/OFF.	OFF
Free Cooling Terminal (Fresh air mode and free cooling can be used together. Free cooling cannot be used with PTAC mode, or three stages of heat.		Use the  and  buttons to select 0/B.	0
Dual Fuel Balance Point (Only displayed if an outdoor remote sensor is paired to the equipment module, Heat Pump is "ON", and Dual Fuel Aux is "ON")		Use the  and  buttons to select OFF, 10, 15, 20, 25, 30, 35, 40, 45, 50 degrees.	OFF
Balance Point Electric AUX Cut In (Only displayed if an outdoor remote sensor is paired to the equipment module, Heat Pump is "ON", and Dual Fuel Aux is "OFF")		Use the  and  buttons to select 10, 15, 20, 25, 30, 35, 40, 45, 50 degrees.	OFF

Tech Setup Steps	LCD Will Show	Adjustment Options	Default
Balance Point Electric AUX Cut Out (Only displayed if an outdoor remote sensor is paired to the equipment module, Heat Pump is "ON", and Dual Fuel Aux is "OFF")		Use the  and  buttons to select 10, 15, 20, 25, 30, 35, 40, 45, 50 degrees.	OFF
Balance Point Run Time (Only displayed if Dual Fuel Balance Point or Balance Point Electric Aux Cut In are set to an outdoor temperature.)		Off, 15, 30, 45, 60, 75, 90	OFF
Automatic Humidity Adjusting (Only displayed if an outdoor remote sensor is paired to the equipment module and Humidity is set to "ON")		Use the  and  buttons to select OFF, ON 1 or ON 2. When ON 1 or ON 2 is selected and humidity level is adjusted, the thermostat will revert to the original humidity level after four hours. See Automatic Humidity Adjusting chart for humidity ranges. Please see the chart on page 30 on the 755WHO installation manual.	OFF

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.

Note: 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 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.

FCC RF Exposure Statement

The device shall be used in such a manner that the potential for human contact normal operation is minimized. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.