PRO1 R751WO PROsync Digital Wireless Remote Sensor User Manual

Contents

PRO1 R751WO PROsync Digital Wireless Remote Sensor

Product Information

Product Name	R751WO
Manufacturer	Pro1 Technologies
Address	P.O. Box 3377 Springfield, MO 65808-3377
Toll-Free	888-776-1427
Website	www.pro1iaq.com
Hours of Operation	M-F 9 AM – 6 PM Eastern

Product Usage Instructions

Installing Batteries

Battery Door Information:

- Insert 2 AA Alkaline batteries (included) located in the back of the thermostat. High-quality Alkaline batteries are recommended.
- Battery installation is optional if the thermostat is hardwired (R and C terminal connected to 24V power).

Important:

- The low battery indicator is displayed when the AA battery power is low. Replace the batteries when the indicator appears.
- If the system is in the low battery state for an extended period, the system will operate with reduced temperature control.
- If battery power is lost, the system will cease operation.

Thermostat Quick Reference

Set At:

Glow in the dark light button:

- The glow-in-the-dark light button will self-illuminate for several hours after exposure to ambient light. This button turns on the display light when pressed.

LCD Display:

- See page 6 for details about this display readout.

Fan Button:

- Auto will cycle the fan on only when the heating or cooling system is on.
- ON will run the fan continuously.
- L, M, and H may be selectable when the thermostat is in PTAC mode and will run the fan continuously at low, medium or high speeds.

Temperature Setpoint Buttons:

- Press the + or – buttons to select the desired room temperature.

System Button:

- Selects the operation mode on your HVAC system.
- Selecting HEAT turns on the heat mode.
- Selecting COOL turns on the cool mode.
- Selecting OFF turns both heating and cooling off.
- Selecting AUTO will turn the HEAT or COOL on as needed. (EM HEAT will appear as an option if operating a heat pump. EM HEAT setting will turn on emergency heat)

Occupancy Sensor:

- This feature is used to detect motion to determine if the room is occupied.

STAGES 1+2+3+4:

Setpoint:

- Displays the selected setpoint temperature.
- Indicates the current room temperature.

System Operation Indicators:

- The COOL ON, HEAT ON or FAN ON will display when the COOL, HEAT, or FAN is on.

- The compressor delay feature is active if these are flashing.

Keypad Lockout:

- Lockout control at the thermostat.

Radio Antenna:

- Displays the strength of the radio.

Low Battery Indicator:

- Replace batteries when this indicator is shown.

Globe:

- Globe is displayed if an energy-efficient temperature has been selected.

Stages:

- +1 will appear in the display when the first stage of heat or cool is on.
- +2 will appear for the second stage of heat.

Fan:

- Indicates the current fan setting.

System:

- Indicates current system mode setting.

Remote Sensor Configuration

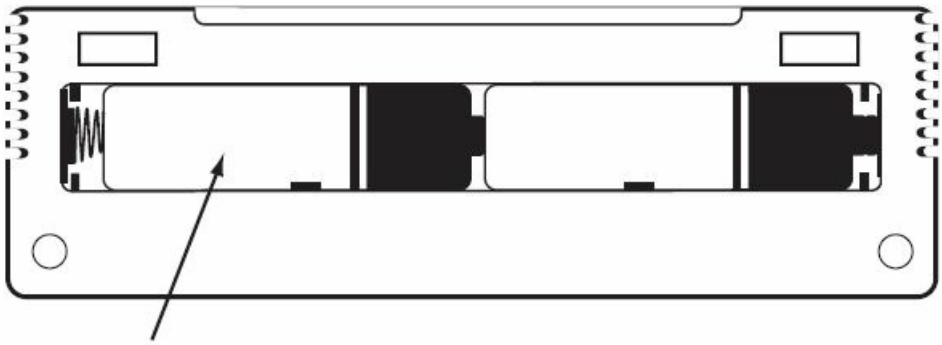
Remote Sensor Configuration:
Manually Overriding The System (Non-programmable):

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.

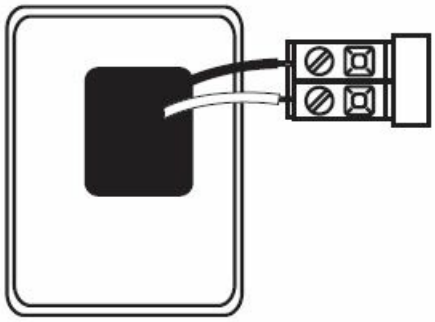
Installing Batteries

Battery Door Information

- Insert 2 AA Alkaline batteries (included) located in the back of the thermostat. High-quality Alkaline batteries are recommended.

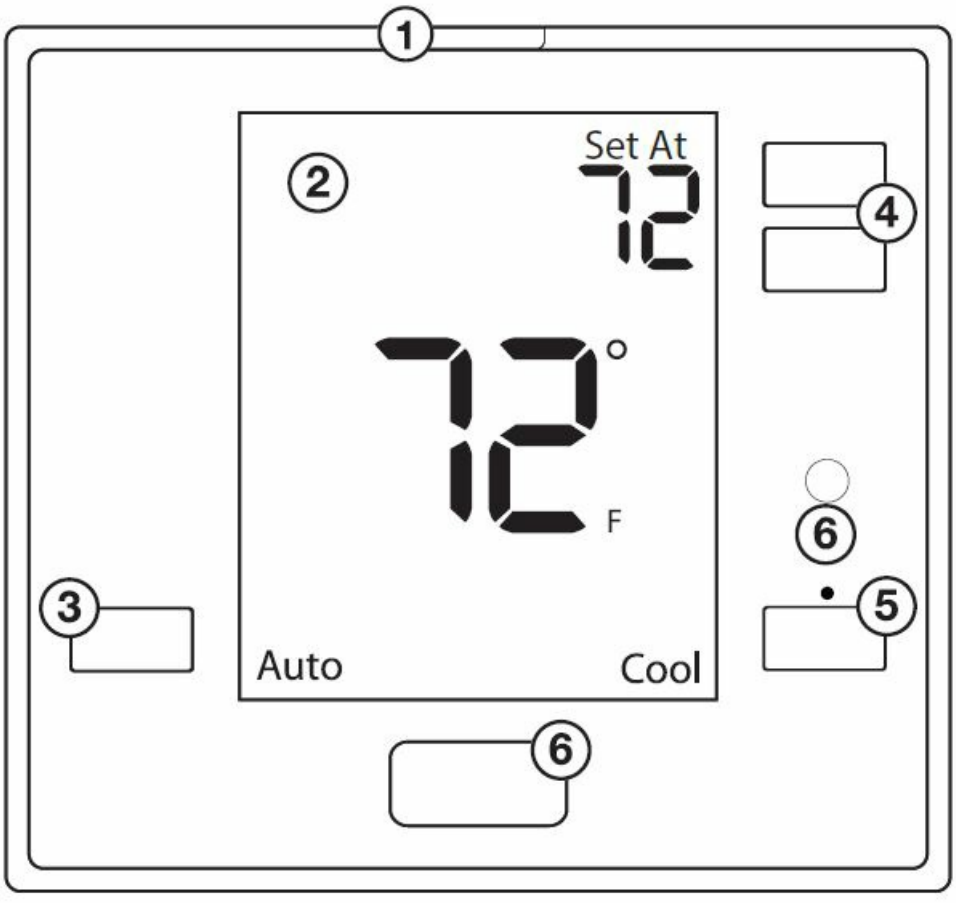


- Battery installation is optional if the thermostat is hardwired (R and C terminal connected to 24V power).



Important:
The low battery indicator is displayed when the AA battery power is low. Replace the batteries when the indicator appears. If the system is in the low battery state for an extended period, the system will operate with reduced temperature control. If battery power is lost, the system will cease operation.

Thermostat Quick Reference



1. **Glow in the dark light button**

The glow-in-the-dark light button will self-illuminate for several hours after exposure to ambient light. This button turns on the display light when pressed.

2. **LCD Display**

   See page 6 for details about this display readout.

3. **Fan Button**

   The auto will cycle the fan on only when the heating or cooling system is on. ON will run the fan continuously. L, M, and H may be selectable when the thermostat is in PTAC mode and will run the fan continuously at low, medium or high speeds.

4. **Temperature Setpoint Buttons**

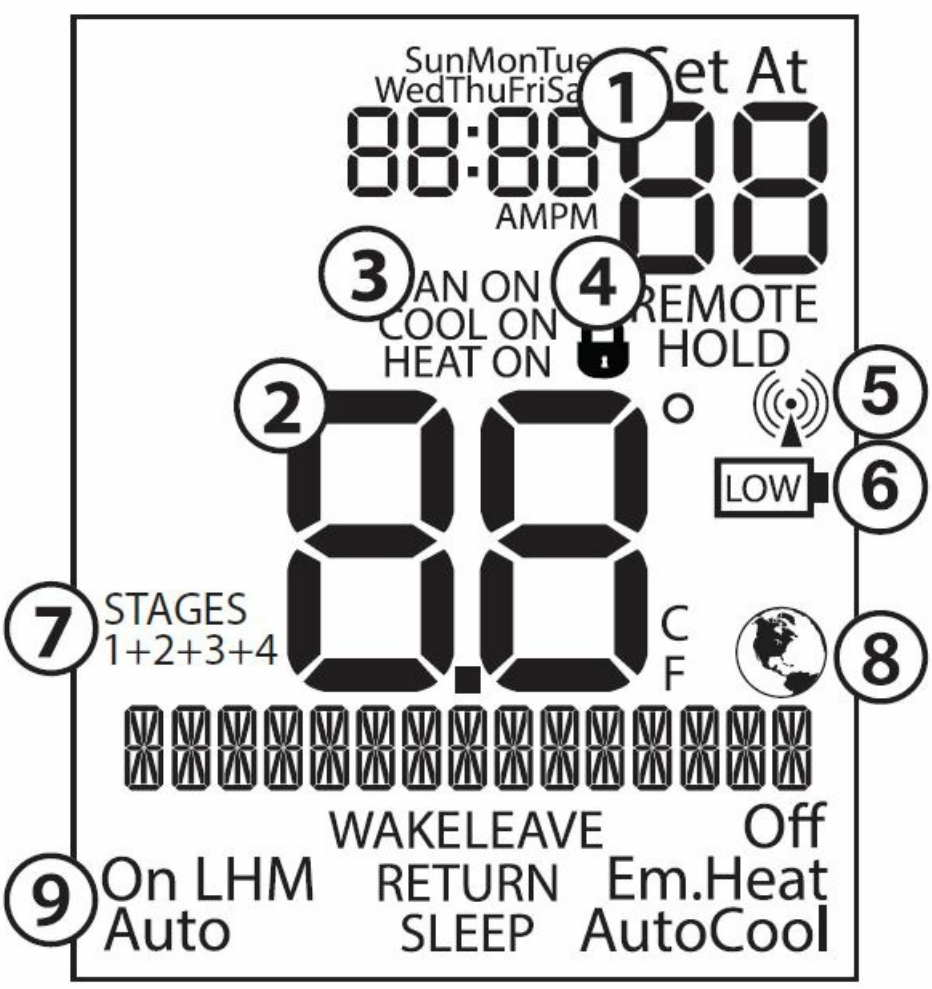
   Press the + or − buttons to select the desired room temperature.

5. **System Button**

   Selects the operation mode on your HVAC system. Selecting HEAT turns on the heat mode. Selecting COOL turns on the cool mode. Selecting OFF turns both heating and cooling off. Selecting AUTO will turn the HEAT or COOL on as needed. (EM HEAT will appear as an option if operating a heat pump. EM HEAT setting will turn on emergency heat)

6. **Occupancy Sensor**

   This feature is used to detect motion to determine if the room is occupied.



1. **Setpoint:** Displays the selected setpoint temperature.
2. Indicates the current room temperature
3. **System Operation Indicators:** The COOL ON, HEAT ON or FAN ON will display when the COOL, HEAT, or

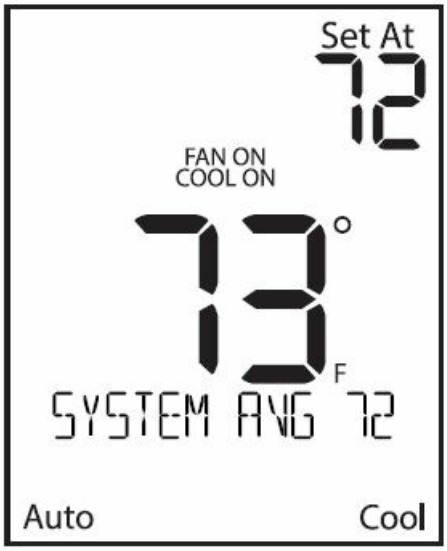
FAN is on. The compressor delay feature is active if these are flashing.

4. **Keypad Lockout:** Lockout control at the thermostat.
5. **Radio Antenna:** Displays the strength of the radio.
6. **Low Battery Indicator:** Replace batteries when this indicator is shown.
7. **Globe:** Globe is displayed if an energy-efficient temperature has been selected.
8. **Stages:** +1 will appear in the display when the first stage of heat or cool is on. +2 will appear for the second stage of heat.
9. **Fan:** Indicates the current fan setting.
10. **System:** Indicates current system mode setting.

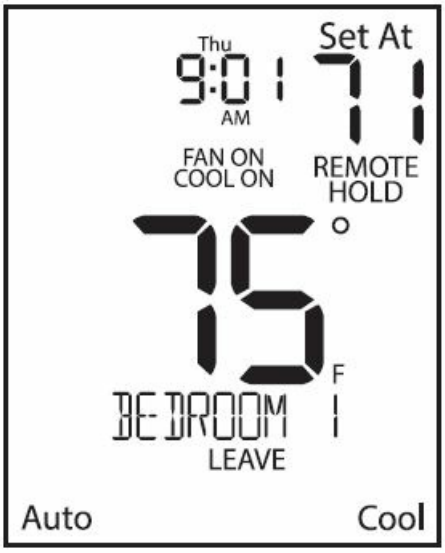
Remote Sensor Configuration

Manually Overriding The System (Non-programmable)
You have the ability to override the system from the remote sensor. If any button is pressed, the sensor will temporarily take control of the entire system for four hours. If at any point another button is pressed from that sensor, the four-hour time starts over. If you interact with any other remote sensor, it will start the timer over, and that sensor will take control of the system.

No Program
Viewing Thermostat – Kitchen Thermostat In Control – System Average



Temporary Override
Viewing Thermostat – Bedroom 1 Thermostat In Control – Bedroom 1



Temporary Override
Viewing Thermostat – Kitchen Thermostat In Control – Bedroom 1

Temporary Override Expired
Viewing Thermostat – Kitchen Thermostat In Control – System Average

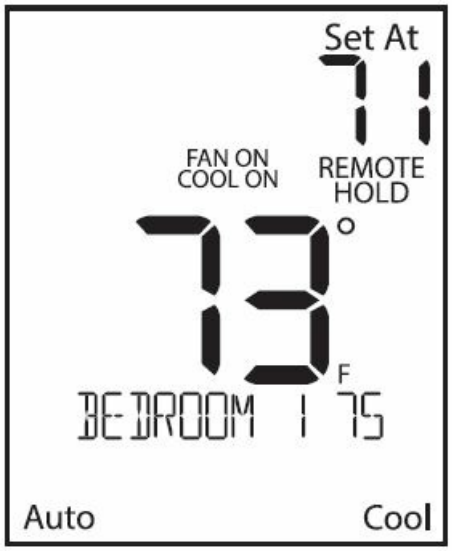
Manually Overriding The System (Programmable)
After the four-hour override has passed without any interaction on any of the remote sensors or thermostats in the

home, the system will return to the previous or default control point. If the system has been running a program, it will return to the schedule based on the time of day.

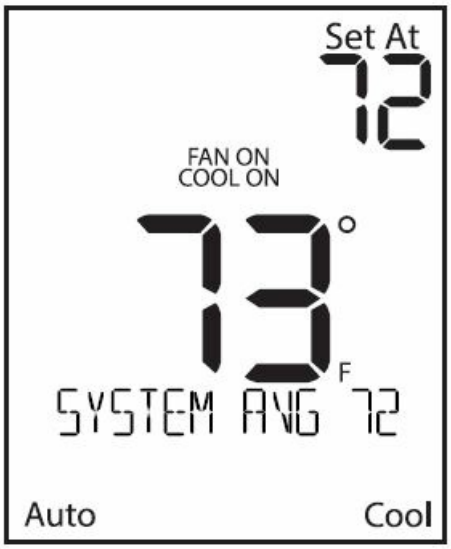
Running The Schedule
Viewing Thermostat – Kitchen Thermostat In Control – Kitchen

Temporary Override
Viewing Thermostat – Bedroom 1 Thermostat In Control – Bedroom

Temporary Override
Viewing Thermostat – Kitchen Thermostat In Control – Bedroom 1



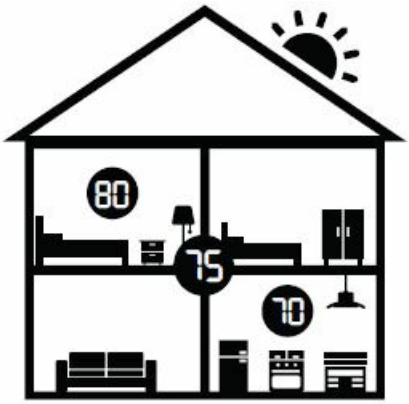
Temp Override Expired – No Program
Viewing Thermostat – Kitchen Thermostat In Control – System Average



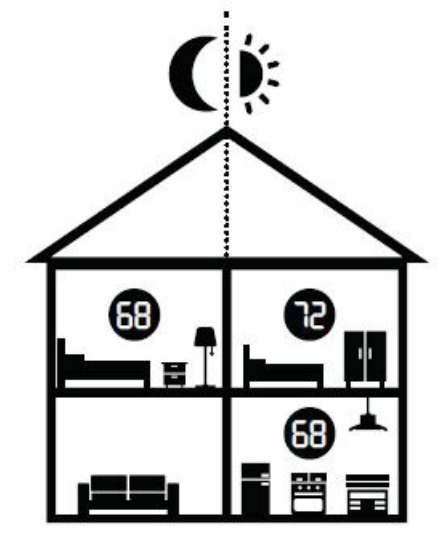
Benefits Of Using The PROsync Wireless System

When using remote sensing, this system can be configured in four separate ways to maximize comfort for homeowners and cater to each of their unique lifestyles.

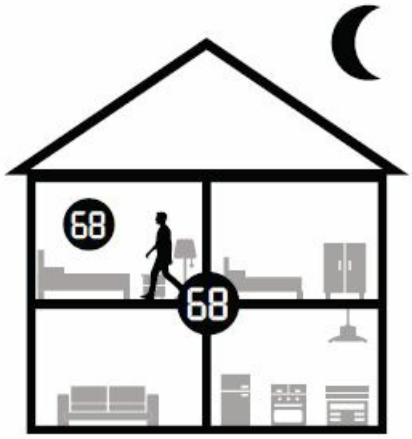
System Averaging
System Averaging will average all remotes together to provide a more accurate temperature of the entire home. Adjusting the temperature from any remote will temporarily put that room in control of the system. If the upstairs thermostat reads 80 while the basement reads 70 the system will condition the home to a 75 ambient.



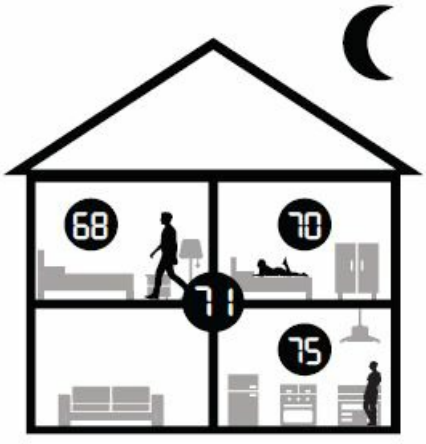
Scheduling
With scheduling the system you can make different rooms in control for each part of the day. For homeowners with predictable schedules, this ensures each room will be the target temperature when scheduled to be used. Making the kitchen in control in the morning, your home office during the day, your living room in the evening, and your master bedroom at night is a great hands-free approach to maximize comfort.



Occupancy Sensing (Last Seen Mode)
This is the perfect solution for homes with a single occupant with less predictable schedules, using the built-in occupancy sensors moves the comfort around the home without the need for scheduling. As soon as someone enters a room, it takes control of the system.



Occupancy Sensing (System Average Mode)
This is an excellent solution for a home with multiple occupants. Each time a remote senses occupancy, it starts an automatic, internal timer. The system is controlled using the average of the temperatures from only the remotes with active timers. When a remote's timer expires, the system removes that remote from the average.



Warranty

Warranty Registration

Your new thermostat has a 5-year limited warranty. You must register your thermostat within 60 days of installation. Without this registration, the warranty period will begin on the date of manufacture. For warranty issues please contact the HVAC professional that installed this product. Please register your new thermostat online.

Please Register Your Thermostat Here
www.pro1iaq.com/warranty.

For More Information About Your Thermostat
www.pro1iaq.com/r751wo.

www.pro1iaq.com

Documents / Resources

	PRO1 R751WO PROsync Digital Wireless Remote Sensor [pdf] User Manual R751WO, R751WO PROsync Digital Wireless Remote Sensor, PROsync Digital Wireless Remote Sensor, Digital Wireless Remote Sensor, Wireless Remote Sensor, Remote Sensor, Sensor

References

- Pro1 IAQ Thermostats - Non Programmable | Programmable | Wireless
- PRO1 Thermostats | R751WO
- RMA - PRO1 Technologies