



This manual covers:  
**T955WH Wireless Thermostat System**

Your wireless thermostat system includes a master thermostat (**T955WH**) and base module. The **T955WH** thermostat communicates wirelessly with the base module. The base module is wired to your heating and cooling system.

**Congratulations on purchasing a new thermostat.** This thermostat was designed to the highest reliability and ease of use standards. Thank you for choosing Pro1.



**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.

| Table of Contents                    | Page |
|--------------------------------------|------|
| Thermostat Quick Reference           | 2    |
| Thermostat Operation                 | 3    |
| Setting the Humidity                 | 4    |
| Programming                          | 5-8  |
| Contact Us and Warranty Registration | 9    |

### Need Help?

For assistance with this product please visit <http://www.pro1iaq.com> or call Pro1 Customer Care toll-free at 888-Pro1iaq (776-1427) during normal business hours (Mon-Fri 9 AM - 6 PM Eastern)

Una versión española de este manual puede ser descargada en [www.pro1iaq.com](http://www.pro1iaq.com)

# OPERATING MANUAL THERMOSTAT QUICK REFERENCE

## Getting to know your thermostat



- ② \*Glow in the Dark Light Button
- ③ Fan Button
- ④ System Button
- ⑤ Temperature Setpoint Buttons
- ⑥ Menu Button
- ⑦ Humidity Button

**\* NOTE ABOUT THE LIGHT BUTTON:**  
This button is used to light up the display, but it is also used to set up communication with the base module. **DO NOT** hold the light button down for more than 10 seconds, unless you are performing the initial communication setup steps.

### Programmable Time Period Icons:

This thermostat has 4 programmable time periods per day.

**Temperature:**  
Indicates the current system temperature.

**Humidity:**  
Shows the humidity target setpoint settings and keys.

**Clean Display:**  
Pressing **CLEAN DISPLAY** will allow 30 seconds to clean the display. The keys will be inoperable during this time. **CLEAN** will appear if your contractor has programmed a filter change reminder. Press **CLEAN** when filter has been replaced to reset the filter change reminder timer.

### Important:



The low battery indicator is displayed when the AA battery power is low. If the user fails to replace the battery within 21 days, the thermostat display will only show the low battery indicator as a final warning before the thermostat becomes inoperable. The batteries are located on the back of the thermostat.

### ① LCD

Days of the week and time. Flashes ambient humidity level. May also flash outside temperature when used with R250W. **OUTDOOR** will show.

**REMOTE** indicates a remote has control of the system.

**HOLD** is displayed when thermostat program is permanently overridden.

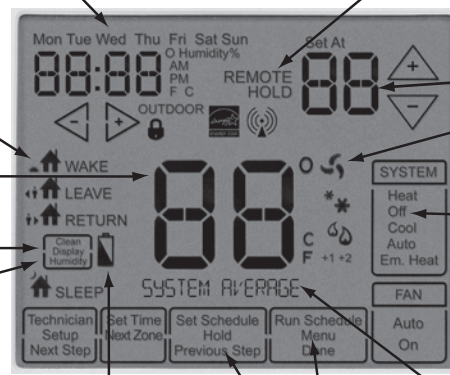
Displays the user selectable setpoint temperature.

**System operation indicators:**

\* \* \*  
**COOL HEAT FAN**

The **COOL**, **HEAT** or **FAN** icon will display when the **COOL**, **HEAT** or **FAN** is on.

**NOTE:** The compressor delay feature is active if these icons are flashing. The compressor will not turn on until the 5 minute delay has elapsed.



**Low Battery Indicator:**  
Replace batteries when this indicator is shown.

**Program Menu Options:**  
Shows different options during programming.

**System Information:**  
Shows which zone or zones are controlling your system. Shown only when one or more indoor sensors **R251W** are connected.



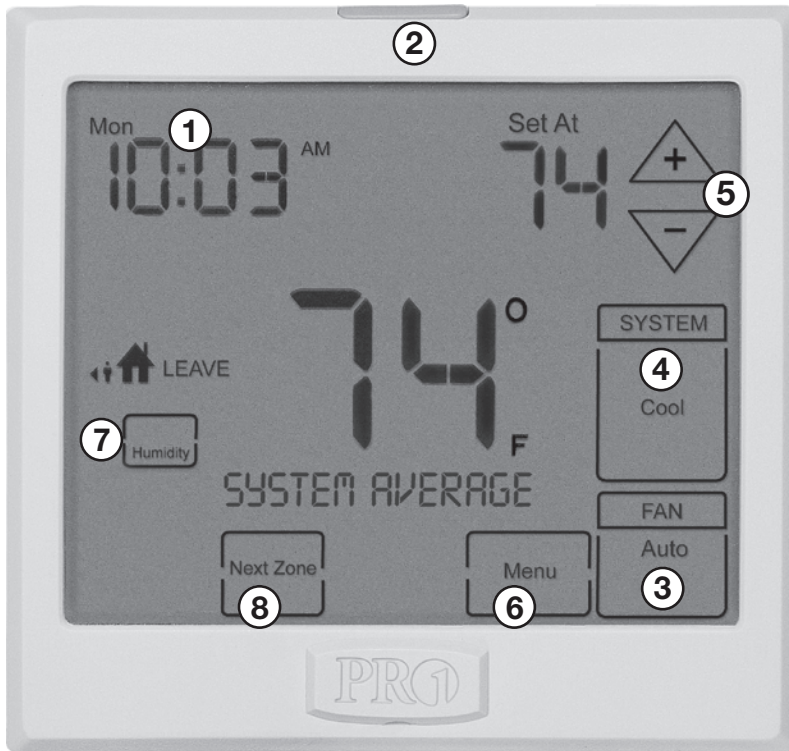
## Battery information

On the back of the thermostat insert 2 AA Alkaline batteries (included).


Pull the thermostat directly away from the wall to access the batteries. A firm tug will be required to remove the thermostat from the subbase mounted on the wall.



## Easy to use controls



### Caution:

When the battery icon  appears replace your AA batteries immediately. Failure to do so may result in your heating and cooling system becoming inoperable.

### A Note About Auto Changeover:

Auto changeover will switch between heating and cooling as needed. It is very important to make sure the cooling setpoint temperature is at least 3° above the heating setpoint temperature and that the heating setpoint temperature is at least 3° below the cooling setpoint temperature.

- 1 LCD Display:**  
See page 2 for details about this display readout and icons.
- 2 Glow in the Dark Light Button:**  
Press and release the light button to turn on the display light. The glow in the dark light button will self illuminate for several hours after exposure to ambient light. *DO NOT* hold down the light button for more then 10 seconds. This will break the communication link between the T955WH and the base module.
- 3 Fan Key:**  
Select **ON** or **AUTO**. The **ON** key will run the fan continuously. The **AUTO** key will cycle the fan on only when the heating or cooling system is on.  
**A Note About Programmable Fan:**  
The programmable fan feature will run the fan continuously during any time period it is programmed to be on. This is the best way to keep the air circulated and to eliminate hot and cold spots in your building.
- 4 System Key:**  
Selects the operation mode of your HVAC system. Selecting **HEAT** turns on the heat mode. Selecting **COOL** turns on the air conditioning mode. Selecting **OFF** turns both heating and cooling off. Selecting **AUTO** will turn the **HEAT** or **COOL** on as needed.
- 5 Temperature Setpoint Buttons:**  
Press the + or - buttons to select the desired room temperature.
- 6 Menu Keys:**  
Use these keys to set up your programming options. Refer to the next page for instructions.
- 7 Next Zone:**  
This button will appear if optional R251W indoor remotes are present. By selecting **NEXT ZONE** you can cycle through each of the zones set up during the initial installation.
- 8 Humidity Key:**  
Use this key to enter the target humidity setpoint screen. Refer to the next page for instructions.

Setting Target Humidity Setpoint

Follow the steps below to change your target humidity setpoint.

Press the **HUMIDITY** key

Use the  or  key to select the target humidity setpoint.

Press **DONE** when completed

**Note:**  
The target humidity setpoint is not programmable. Unlike temperature, humidity does not change quickly and should not be programmed.

**Note:**  
Humidity is only energized during heat. Dehumidify is only energized during cool. Heat and Cool each have their own target setpoints.



HUMIDITY KEY



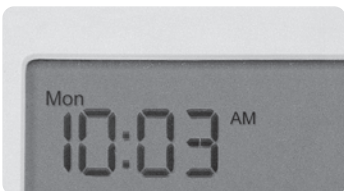
TARGET HUMIDITY SETPOINT KEYS

Ambient Humidity Display

Ambient humidity will flash opposite the day and time, if the optional **R250W** outdoor temperature sensor is installed the ambient outdoor temperature will also cycle in the display.



AMBIENT HUMIDITY



DAY & TIME



OUTDOOR TEMPERATURE

Recommended Heating Settings:

Increasing Humidity

The table on the right shows recommended indoor humidity levels in relation to outdoor temperatures during heating (adding humidity).

| Outside Temperature (0°F) | Recommended Relative Humidity |
|---------------------------|-------------------------------|
| +20° and above            | 35% to 40%                    |
| +10°                      | 30%                           |
| 0°                        | 25%                           |
| -10°                      | 20%                           |
| -20°                      | 15%                           |

Recommended Cooling Settings:

Consult your professional HVAC technician for recommended settings for your climate.






### Important:

You will see a **TECHNICIAN SETUP** option after the **MENU** key is pressed.

This **TECHNICIAN SETUP** key is for installer configuration and should **NOT** be changed unless you consult your Professional Heating and Air Conditioning Technician.









### Keypad Lockout Note:

If  appears in display then the keypad is locked. All or some of the keys will not work. Hold the  and  keys for 3 seconds to remove the lock.

## Set Time

---

Follow the steps below to set the current time:

1. Press **MENU**
2. Press **SET TIME**
3. Day of the week will be flashing.  
Use the  or  key to select the current day of the week.
4. Press **NEXT STEP**
5. The current hour is flashing.  
Use the  or  key to select the current hour.  
When using 12-hour time, make sure the correct a.m. or p.m. choice is selected.
6. Press **NEXT STEP**
7. Minutes are now flashing.  
Use the  or  key to select current minutes.
8. Press **DONE** when completed



### Set 5+1+1 Program Schedule

To customize your 5+1+1 program schedule, follow these steps

#### Weekday:





1. Select **HEAT** or **COOL** using the **SYSTEM** key.  
**Note:** You have to program heat and cool each separately.
2. Press **MENU**
3. Press **SET SCHED.** Note: Monday-Friday is displayed and the **WAKE** icon is shown. You are now programming the **WAKE** time period for the weekday setting.

#### Additional step if R251W indoor remote sensor is connected.



The **T955WH** master thermostat will either average all sensors (system average) or only use one sensor for the system ambient temperature (priority). The default setting is **SYSTEM AVERAGE**, which means all sensors are averaged to create the system average ambient temperature reading. The **NEXT ZONE** key can be pressed to change the priority. The system information area of the display shows the priority.

*For Example:* There is an **R251W** connected and it is named **REMOTE 1**. If the **NEXT ZONE** key is pressed until **REMOTE 1** is shown, then the **REMOTE 1** ambient temperature reading will be used exclusively for that time period. All other sensors will be ignored.

4. Time is flashing. Use the  or  key to make your time selection for the weekday **WAKE** time period. Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key.
5. Press **NEXT STEP**
6. The setpoint temperature is flashing. Use the  or  key to make your setpoint selection for the weekday **WAKE** period.
7. Press **NEXT STEP**
8. Repeat steps 4 through 7 for weekday **LEAVE** time period, for weekday **RETURN** time period, and for weekday **SLEEP** time period.

#### Saturday:

9. Repeat steps 4 through 7 for Saturday **WAKE** time period, for Saturday **LEAVE** time period, for Saturday **RETURN** time period, and for Saturday **SLEEP** time period.

#### Sunday:

10. Repeat steps 4 through 7 for Sunday **WAKE** time period, for Sunday **LEAVE** time period, for Sunday **RETURN** time period, and for Sunday **SLEEP** time period.

### Set 7 Day Program Schedule

To customize your 7 day program schedule, follow these steps:

#### Monday





1. Select **HEAT** or **COOL** using the system key. You have to program heat and cool each separately.
2. Press **MENU**
3. Press **SET SCHED**  
**Note:** Monday is displayed and the **WAKE** icon is shown. You are now programming the **WAKE** time period for the Monday setting.

#### Additional step if R251W indoor remote sensor is connected.



The **T955WH** master thermostat will either average all sensors (system average) or only use one sensor for the system ambient temperature (priority). The default setting is **SYSTEM AVERAGE**, which means all sensors are averaged to create the system average ambient temperature reading. The **NEXT ZONE** key can be pressed to change the priority. The system information area of the display shows the priority.

*For Example:* There is an **R251W** connected and it is named **REMOTE 1**. If the **NEXT ZONE** key is pressed until **REMOTE 1** is shown, then the **REMOTE 1** ambient temperature reading will be used exclusively for that time period. All other sensors will be ignored.

4. Time is flashing. Use the  or  key to make your time selection for the Monday **WAKE** time period. **Note:** If you want the fan to run continuously during this time period, select **ON** with the **FAN** key.
5. Press **NEXT STEP**
6. The setpoint temperature is flashing. Use the  or  key to make your setpoint selection for the Monday **WAKE** period.
7. Press **NEXT STEP**
8. Repeat steps 4 thru 7 for Monday **LEAVE** time period, for Monday **RETURN** time period, and for Monday **SLEEP** time period.

#### Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

Repeat steps 4 thru 7 for the remaining days of the week.

### Next Zone (Only if R251W is connected)

The **NEXT ZONE** key cycles through all sensors connected to your wireless system.

**SYSTEM AVERAGE** shows the average ambient temperature of all connected sensors.

**LOCAL** shows the ambient temperature of the **T955WH** only.

The name of the **R251W** remote sensors will show and the ambient temperature for that sensor only will be displayed.

For more information, see the **R251W** User Guide.

### Filter Change Reminder

If your installing contractor has configured the thermostat to remind you when the air filter needs changed, you will see **FILT** in the display when your air filter needs changed. **FILT** will be shown in the display after your system has run long enough to require an air filter change.

Resetting the filter change reminder: When **FILT** reminder is displayed, you should change your air filter and reset the reminder by pressing the **CLEAN** key for 3 seconds. **FILT** will leave the display when reset.



Hold down **CLEAN** for 3 seconds, to reset filter reminder.

### Temporary and Permanent Hold Feature

**Temporary hold:** The thermostat will display **HOLD** and **RUN SCHEDULE** on the bottom of your screen when you press the  $\Delta$  or  $\nabla$  key. If you do nothing, the temperature will remain at this setpoint for four hours. Your program setpoint will then replace your temporary setpoint.

**Permanent hold:** If you press **HOLD** key at the bottom of your screen, you will see **HOLD** appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the  $\Delta$  or  $\nabla$  keys.

**To return to program:** Press the **RUN SCHEDULE** key at the bottom of your screen to exit either temporary or permanent hold.



# CONTACT US AND WARRANTY INFORMATION

## Contact Us Information

### Pro1 IAQ Inc.

1111 S. Glenstone  
Suite 2-100  
Springfield, MO 65804

**Toll-free:** 1-888-Pro1iaq (776-1427)

**Toll Number (Outside the USA):** 330-821-3600

**Web:** <http://www.pro1iaq.com>

**Hours of Operation:** Monday - Friday 9 AM - 6 PM Eastern

### Warranty Registration:

Your new Pro1 thermostat has a 5 year limited warranty. You must register your warranty within 60 days of installation. You can register your new thermostat in 2 ways.

① Go to [www.pro1iaq.com](http://www.pro1iaq.com), select warranty registration and fill out a short registration form.

- or -

② Complete the form below and mail it to the address shown.

### Pro1 IAQ Warranty Registration:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Thermostat Model: \_\_\_\_\_

Date Installed: \_\_\_\_\_

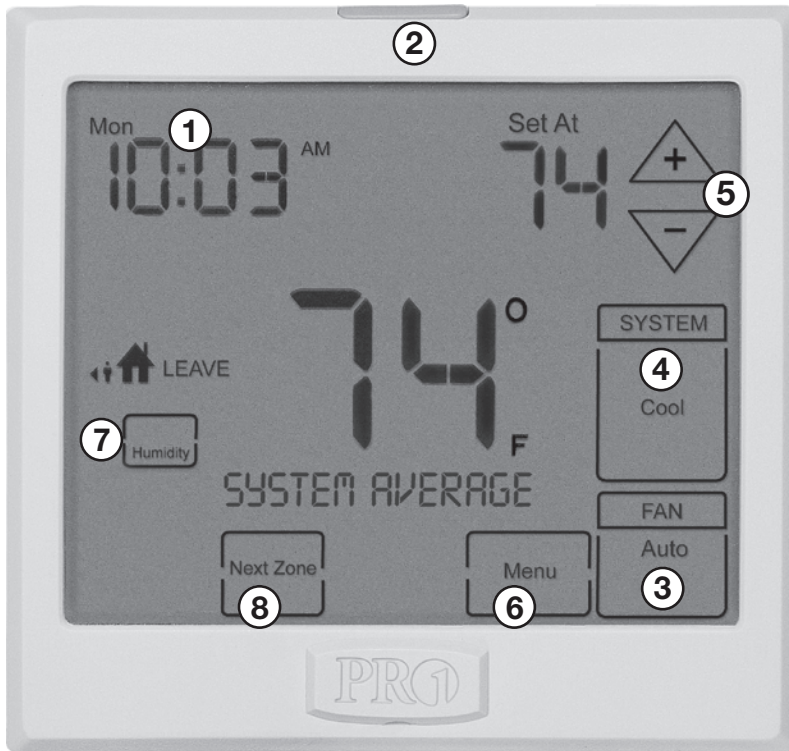
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## Easy to use controls



### Caution:

When the battery icon  appears replace your AA batteries immediately. Failure to do so may result in your heating and cooling system becoming inoperable.

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**Note:**  
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**Note:**  
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HUMIDITY KEY



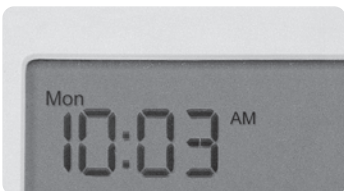
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### Important:

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





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Follow the steps below to set the current time:

1. Press **MENU**
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3. Day of the week will be flashing.  
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4. Press **NEXT STEP**
5. The current hour is flashing.  
Use the  or  key to select the current hour.  
When using 12-hour time, make sure the correct a.m. or p.m. choice is selected.
6. Press **NEXT STEP**
7. Minutes are now flashing.  
Use the  or  key to select current minutes.
8. Press **DONE** when completed



### Set 5+1+1 Program Schedule

To customize your 5+1+1 program schedule, follow these steps

#### Weekday:





1. Select **HEAT** or **COOL** using the **SYSTEM** key.  
**Note:** You have to program heat and cool each separately.
2. Press **MENU**
3. Press **SET SCHED.** Note: Monday-Friday is displayed and the **WAKE** icon is shown. You are now programming the **WAKE** time period for the weekday setting.

#### Additional step if R251W indoor remote sensor is connected.



The **T955WH** master thermostat will either average all sensors (system average) or only use one sensor for the system ambient temperature (priority). The default setting is **SYSTEM AVERAGE**, which means all sensors are averaged to create the system average ambient temperature reading. The **NEXT ZONE** key can be pressed to change the priority. The system information area of the display shows the priority.

*For Example:* There is an **R251W** connected and it is named **REMOTE 1**. If the **NEXT ZONE** key is pressed until **REMOTE 1** is shown, then the **REMOTE 1** ambient temperature reading will be used exclusively for that time period. All other sensors will be ignored.

4. Time is flashing. Use the  or  key to make your time selection for the weekday **WAKE** time period. Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key.
5. Press **NEXT STEP**
6. The setpoint temperature is flashing. Use the  or  key to make your setpoint selection for the weekday **WAKE** period.
7. Press **NEXT STEP**
8. Repeat steps 4 through 7 for weekday **LEAVE** time period, for weekday **RETURN** time period, and for weekday **SLEEP** time period.

#### Saturday:

9. Repeat steps 4 through 7 for Saturday **WAKE** time period, for Saturday **LEAVE** time period, for Saturday **RETURN** time period, and for Saturday **SLEEP** time period.

#### Sunday:

10. Repeat steps 4 through 7 for Sunday **WAKE** time period, for Sunday **LEAVE** time period, for Sunday **RETURN** time period, and for Sunday **SLEEP** time period.

### Set 7 Day Program Schedule

To customize your 7 day program schedule, follow these steps:

#### Monday





1. Select **HEAT** or **COOL** using the system key. You have to program heat and cool each separately.
2. Press **MENU**
3. Press **SET SCHED**  
**Note:** Monday is displayed and the **WAKE** icon is shown. You are now programming the **WAKE** time period for the Monday setting.

#### Additional step if R251W indoor remote sensor is connected.



The **T955WH** master thermostat will either average all sensors (system average) or only use one sensor for the system ambient temperature (priority). The default setting is **SYSTEM AVERAGE**, which means all sensors are averaged to create the system average ambient temperature reading. The **NEXT ZONE** key can be pressed to change the priority. The system information area of the display shows the priority.

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5. Press **NEXT STEP**
6. The setpoint temperature is flashing. Use the  or  key to make your setpoint selection for the Monday **WAKE** period.
7. Press **NEXT STEP**
8. Repeat steps 4 thru 7 for Monday **LEAVE** time period, for Monday **RETURN** time period, and for Monday **SLEEP** time period.

#### Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

Repeat steps 4 thru 7 for the remaining days of the week.

## Next Zone (Only if R251W is connected)

The **NEXT ZONE** key cycles through all sensors connected to your wireless system.

**SYSTEM AVERAGE** shows the average ambient temperature of all connected sensors.

**LOCAL** shows the ambient temperature of the **T955WH** only.

The name of the **R251W** remote sensors will show and the ambient temperature for that sensor only will be displayed.

For more information, see the **R251W** User Guide.

## Filter Change Reminder

If your installing contractor has configured the thermostat to remind you when the air filter needs changed, you will see **FILT** in the display when your air filter needs changed. **FILT** will be shown in the display after your system has run long enough to require an air filter change.

Resetting the filter change reminder: When **FILT** reminder is displayed, you should change your air filter and reset the reminder by pressing the **CLEAN** key for 3 seconds. **FILT** will leave the display when reset.



Hold down **CLEAN** for 3 seconds, to reset filter reminder.

## Temporary and Permanent Hold Feature

**Temporary hold:** The thermostat will display **HOLD** and **RUN SCHEDULE** on the bottom of your screen when you press the  $\Delta$  or  $\nabla$  key. If you do nothing, the temperature will remain at this setpoint for four hours. Your program setpoint will then replace your temporary setpoint.

**Permanent hold:** If you press **HOLD** key at the bottom of your screen, you will see **HOLD** appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the  $\Delta$  or  $\nabla$  keys.

**To return to program:** Press the **RUN SCHEDULE** key at the bottom of your screen to exit either temporary or permanent hold.

# CONTACT US AND WARRANTY INFORMATION

## Contact Us Information

### Pro1 IAQ Inc.

1111 S. Glenstone  
Suite 2-100  
Springfield, MO 65804

**Toll-free:** 1-888-Pro1iaq (776-1427)

**Toll Number (Outside the USA):** 330-821-3600

**Web:** <http://www.pro1iaq.com>

**Hours of Operation:** Monday - Friday 9 AM - 6 PM Eastern

### Warranty Registration:

Your new Pro1 thermostat has a 5 year limited warranty. You must register your warranty within 60 days of installation. You can register your new thermostat in 2 ways.

① Go to [www.pro1iaq.com](http://www.pro1iaq.com), select warranty registration and fill out a short registration form.

- or -

② Complete the form below and mail it to the address shown.

### Pro1 IAQ Warranty Registration:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Thermostat Model: \_\_\_\_\_

Date Installed: \_\_\_\_\_

**Complete form and mail to:**

### Pro1 IAQ Inc.

1111 S. Glenstone  
Suite 2-100  
Springfield, MO 65804