



W150W  WIRELESS REPEATER

A trained, experienced technician must install this product.

Carefully read these instructions. You could damage this product or cause a hazardous condition if you fail to follow these instructions.

Applications Guide

The wireless repeater extends the signal range of many of PRO1's wireless products. When the W150W receives a coded wireless signal, it repeats it to extend the wireless range of the device.

RF Frequency

916 MHz

Power Type

Hardwire (Common Wire)
24V AC (18-30V)

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Important Communication Mode Note:

When using this product, any and all components/devices of the system that contain a selectable communication mode (FSK/ASK Jumper Pin Switch), **MUST** be set to ASK.

Una versión española de este manual puede ser descargada en www.pro1iaq.com

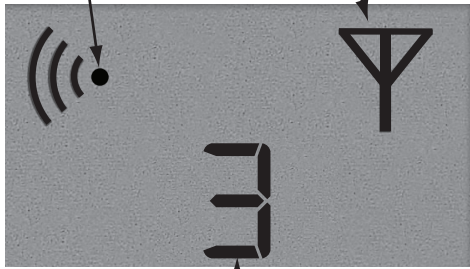
Need Help?

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)

Getting to know the W150W Module

Transmit symbol indicates repeating signal.

Antenna symbol indicates received signal.



REFERENCE NUMBER indicates the current repeater mode.

When the W150W receives a wireless signal to repeat, the **Recieved Symbol** will flash. After a few seconds the Red Indicator Light ① and the **Transmit Symbol** will flash. Indicating a repeated signal.



- ① **Red Indicator Light**
- ② **LCD**
- ③ **Module Button**

1. When powered, the set Device Reference Number appears on the LCD. To Determine the Device Reference Number needed, see the chart below.

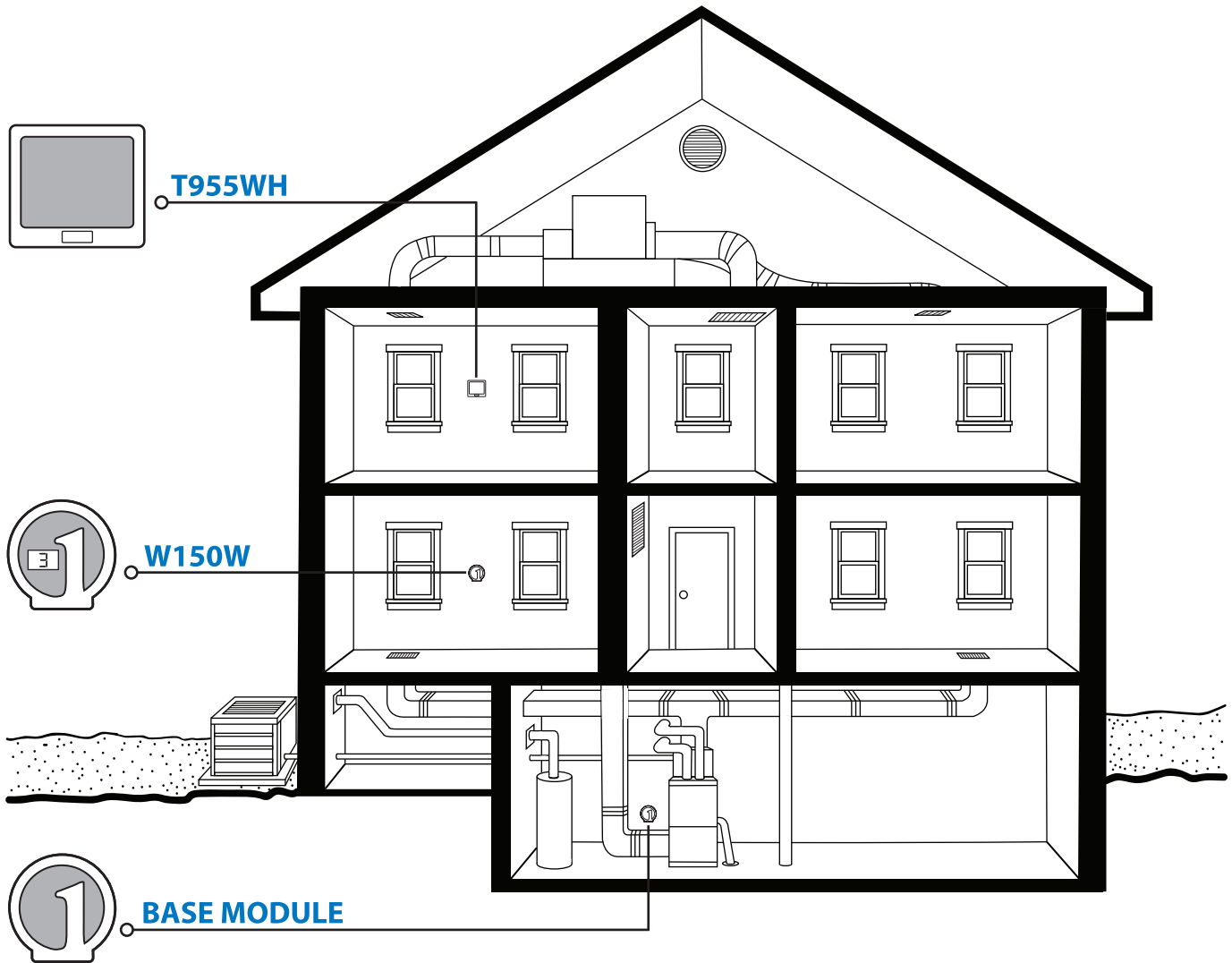
2. To enter **Reference Number** selection mode, press the **Module Button** ③. The Reference Number will start flashing. While flashing, press Module Button again to select Reference Number needed. Once desired number is selected--stop. The number will quit flashing in 5 seconds and the Device Reference Number is set.

Reference Number	Device the Signal is coming from	TO	Device the Signal is traveling to
1	Not used at this time	----	----
2	Indoor or Outdoor Remotes (R251W, RZ251W, R250W, RZ250W)	TO	Wireless Thermostat (T955WH, Z955W)
3	Thermostat (T955WH)	TO	Equipment Base Module
4	Thermostat (Z955W)	TO	Equipment Base Module
4	Thermostat (Z955W)	TO	Damper Module (Z260W)
4	Thermostat (T631W-2)	TO	Equipment Base Module

Wireless Module - Installation

Wireless Range

Range between the W150W module and the devices to be repeated is approximately 100 feet with no obstructions and approximately 50 feet in standard residential construction. Place the W150W Repeater somewhere between communicating devices to repeat the wireless signal and extend the range.



PRO1 Tip

Do not install the wireless module in locations:

- Where temperature could exceed 120°F.
- Where exposed to rain or snow.
- Where exposed to extreme hot or cold.

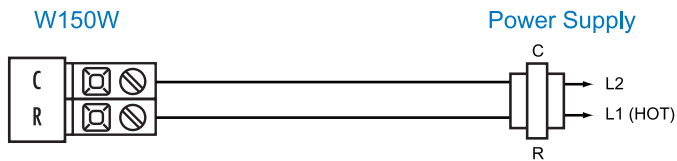
NOTE: The wireless modules are NOT weatherproof.

Note:

The W150W Reference Number is set to 3 in this example.

Wiring Module to Power Supply

The W150W must be hardwired (C and R terminals connected to 24VAC power).



Caution: Electrical Hazard

Failure to disconnect the power before beginning to install this product can cause electrical shock or equipment damage.



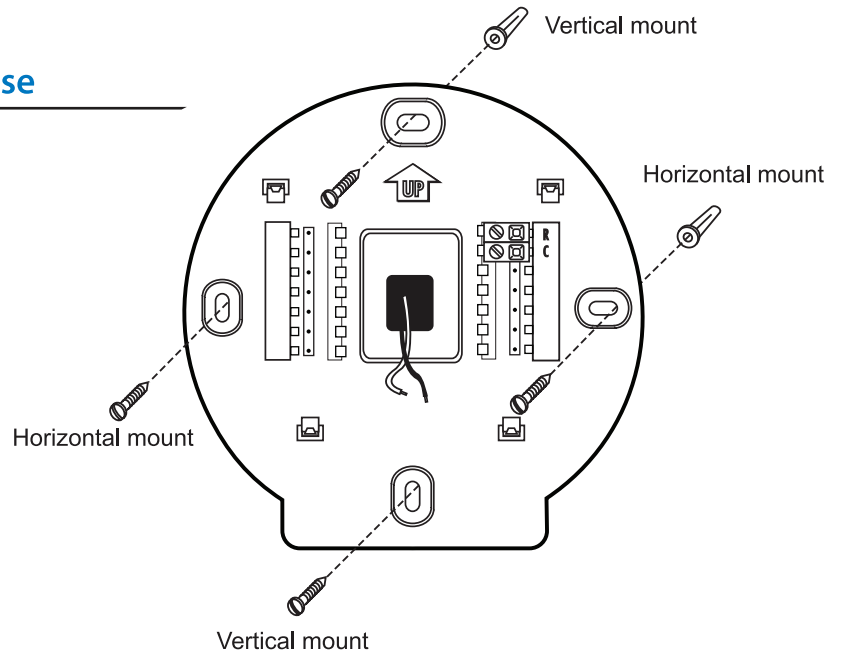
Warning:

All components of the control system and the thermostat installation must conform to Class II circuits per the NEC code.

Mounting the wireless module subbase

For vertical mount put one screw top and one screw bottom.

For horizontal mount put one screw left and one screw right.



Mount the Wireless Modules

Align the 4 tabs on the subbase with corresponding slots on the back of the wireless modules. Then push gently until the wireless repeater snaps in place.

Note:

The wireless modules can be wired from the back or the bottom.

Specifications

Power source	18 to 30 VAC, NEC Class II, 50/60 Hz for hardwire (common wire)
Operating ambient	+32°F to +122°F (0° to +50°C)
Operating humidity	90% non-condensing maximum
Frequency	916 MHz
Dimensions	4.4"W x 4.4 "H x .75"D

Contact Us

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

Warranty Registration:

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

- ① Go to 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: _____

Thermostat Model: _____

Address: _____

Date Installed: _____

City: _____

Complete form and mail to:

State: _____

Pro1 IAQ Inc.

Zip: _____

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