

Overview

The WiStat WR is a ZigBee wireless, battery or line-voltage powered digital thermostat, designed to work with the WiPoint WR or WiPoint Mini to control a variety of HVAC appliances. The WiStat WR lets you instantly retrofit your existing HVAC infrastructure without disruptive and expensive rewiring.

Product Highlights

Battery Powered

The WiStat WR can run on two standard AA batteries for up to four years, providing flexible installation, and low maintenance. As part of the WiSuite Environmental Automation system, the WiStat WR can alert maintenance staff when batteries get low. The WiStat can also be powered via available line voltage.

Two-way Wireless Communication

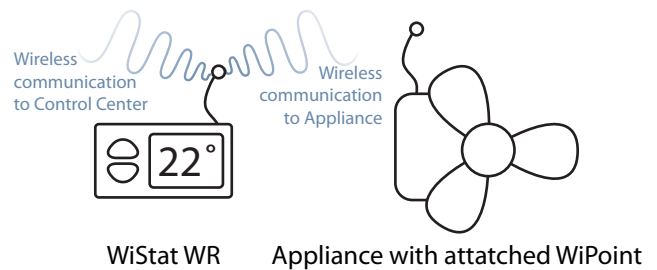
The WiStat WR features a WiSE250 ZigBee module, allowing wireless communication both to and from the WiPoint-enabled appliance, and the WiSuite Control Center for fully automated, centralized control.

Easy to Install

Two pieces with quick connector. Back plate can be wired and electronics added later.

Intelligent Control

- Built-in auto changeover
- Automatic compressor short cycle protection
- Average sensing capability
- Safety and User limits



Power Specifications

Temperature Range	45° to 88° F
Differential	1.2° F
Load Rating	2A
Input	2AA Batteries or 24V AC
Battery Life	Approx 3.5 years
Wiring Connections	Screw type terminals
Material	PC/ABS

Control Specifications

Single Set Point
Variable dead band between 1 and 5 degrees

Compatibility

Supports PTAC, FANCOIL, heat pump, and more
1,2,3 Speed Fan
Single and Dual Stage Heat/Cool
Auto Fan, and Auto Changeover
C and F Modes
Conforms to North American and EU mounting requirements

RF Characteristics

Powered by **WiSE250**

Outdoor LOS range	250m
TX Power	Up to 5dBm
RX Sensitivity	-95 dBm (1% PER)
Frequency	ISM 2.405 - 2.480 GHz
Data Rate	250 Kbps