



# Verve Wireless WiSPER Thermostat (24V or 120V-277V)

WiSPER = Wireless Integrated Sensing & Programmable Energy Reduction

The Verve WiSPER Thermostat has a guest-friendly LED display and large control panel icons that ensure easy setup and an intuitive operation for the user. The thermostat enables intelligent control of heating, cooling and circulation.

**AUTOMATE ENERGY SAVINGS  
W/OUT TAKING GUEST ROOMS  
OUT-OF-INVENTORY**

### Fast Installations -

Pre-linked and pre-configured wireless guest room retrofit kits enable immediate energy savings.

Reduce Utility Spending  
while Heightening Your  
Guests' Experience

- ◆ Supports customizable wireless setback control of temperature based on occupancy
- ◆ Built in menu features wide array of settings to enhance customization and improve system compatibility
- ◆ Integrated port enables rapid cloning and deployment of customized settings in facilities with multiple thermostats
- ◆ Compatible with 24VAC as well as 120VAC - 277VAC multi-stage conventional or heat pump systems



VTST



Wireless communications are based on the EnOcean standard & interoperable with the entire family of Verve & ZENO Controls.

#### Payback Numbers from Verve-automated Hotels in the USA

Average Payback Period = 1.85 years\*

Average Energy Savings / Year (100-room hotel) = \$11,650\*

Visit [VerveLS.com](http://VerveLS.com) for ROI (return-on-investment) data & energy monitoring results from hotels that employed wireless controls to save energy.

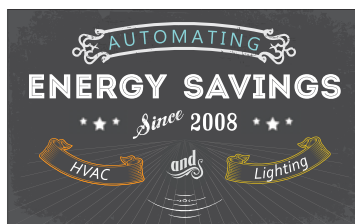
\* Paybacks vary according to site-specific ROI impact variables:

>>> Cost of electricity, climate, local utility rebates, occupancy rates, HVAC system type, etc.

## Verve Living Systems

(312) 874-6440

[saveEnergy@verveLS.com](mailto:saveEnergy@verveLS.com)



 **verve**<sup>™</sup>  
living systems

A registered brand of ZENO Controls, LLC

# Verve Plug-in Wireless AC Module Specifications

Wireless Range	80ft. (25m, through 4 walls or ceilings)
Wireless Communications	EnOcean 315 MHz EnOcean 902 MHz
Input Voltage	Low Voltage: 18V to 30V AC/DC Line Voltage: 120 - 277VAC
Load Rating	24V: 1.5 amps per circuit, 120V: 2.0 amps (pilot duty); 1/6 HP fan load
Temperature Monitor Range	32°F to 99°F (0°C to 37°C)
Temperature Setpoint Range	40°F to 90°F (5°C to 32°C)
Sampling Rate	Every 5 seconds
Accuracy	+/- 1°F
Fan Control	Selectable - Auto Cycle, Low, Medium, High, Economy, OFF
Compatible HVAC System Types	PTHP (up to 4 Heat, 2 Cool stages) PTAC (up to 2 Heat, 2 Cool stages) 2 Pipe Fan Coil with/without Auxiliary Heat 4 Pipe Fan Coil
Dimensions	4.77" H x 6.35" W x 1.17" D (121.22mm x 161.22mm x 29.60mm)
Mounting	Wall mounted or mounted to the 1 gang electrical switch box
Agency Certifications	24V: FCC, IC 120V: UL, FCC, IC
Interoperable Products / EEPs (EnOcean Equipment Profiles)	<b>Product Name (EEP #)</b> Rocker Pad Switch (F6-02-02) Key Card Switch (F6-04-01) Door/Window Sensor (D5-00-01) Temperature Sensor, 0 - 40° C (A5-02-05) Occupancy Sensor (A5-07-01, A5-07-02, A5-07-03) Central Gateway (A5-38-08)-
Warranty	5 years



## Pre-configured Kits

Sample Wireless Kits  
(go on-line for more configurations)



VTST Wireless Thermostat +  
EDWS Entry Door Sensor +  
EDWS Motion Occupancy Sensor



VTST Wireless Thermostat +  
IKCS Hotel Keycard Switch



VTST Wireless Thermostat +  
IKCS Hotel Keycard Switch +  
EDWS Outside Door/Window Sensor +  
IRTS Remote Temperature Sensor

### Forward Compatible



upgrade anytime with ZENO gateways,  
software &/or InnPoint® front-end.



## Ordering Information

Model #	Description
VTST-024-3	Wireless Thermostat (24V Low Voltage, 315 MHz)
VTST-LNE-3	Wireless Thermostat (120-277V Line Voltage, 315 MHz)
VTST-024-9	Wireless Thermostat (24V Low Voltage, 902 MHz)
VTST-LNE-9	Wireless Thermostat (120-277V Line Voltage, 902 MHz)

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