

# 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.

RETROFIT W/ WIRELESS & AUTOMATE ENERGY SAVINGS IN VACANT GUEST ROOMS

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

### Automate Energy Savings While Guests are Away!

- 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 multistage conventional or heat pump systems





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

#### Pavback 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 for ROI (return-on-investment) data & energy monitoring results from hotels that employed wireless controls to save energy.

# Verve Living Systems

(312) 874-6440 saveEnergy@verveLS.com



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

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

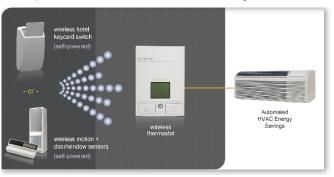


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# Verve Plug-in Wireless AC Module Specifications

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 (En- Ocean Equipment Profiles)	Product Name (EEP #) 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

#### Sample Wireless Automation Systems



#### Add-ons:

Outside Door/Window Sensor

Remote Temperature Sensor

## 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)





VTST Wireless Thermostat +



IKCS Hotel Keycard Switch



upgrade anytime with ZENO gateways,

ZENO





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