



Wireless HVAC Setback Module w/ on-board temperature sensing

The Verve HVAC Setback Module provides a turnkey solution for switching HVAC systems between normal operation and occupancy-driven energy saving modes. The setback module is easy-to-install and connects to the HVAC system within minutes using standard wiring practices.

CONNECTS TO PTAC UNIT /
AUTOMATES ENERGY SAVINGS
IN UNOCCUPIED GUEST ROOMS

7-minute Guest Room Retrofits
Pre-configured, pre-linked wireless retrofit kits simplify energy savings - Pro electrical labor is not typically required.

RELIABLE WIRELESS PTAC ENERGY MANAGEMENT

- ◆ Two molded buttons with LED indicator lights can be used to configure or manually control the device
- ◆ Dry contact closure provides input signal to HVAC systems for switching between setback mode and normal operation
- ◆ Compact size allows the module to be concealed within a PTAC enclosure



EHSM



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

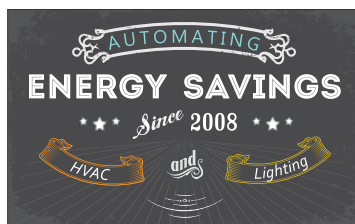
* Paybacks vary according to site-specific ROI impact variables:

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

Verve Living Systems

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 **verve**
living systems

A registered brand of ZENO Controls, LLC

HVAC Setback Module

Specifications

Wireless Range	80ft. (25m, through 4 walls or ceilings)	
Wireless Communications	EnOcean 315 MHz EnOcean 902 MHz	
Outputs	One (1) isolated normally open relay contact	
Power Supply	9-30 VAC, 12-40 VDC	
Power Consumption Quiescent	370mW @ 24VAC, 320mW @ 12VDC	
Power Consumption Active	590mW @ 24VAC, 570mW @ 12VDC	
Maximum Electrical Loads	1A @ 24 VAC/VDC	
Temperature Sensing Range	32° to 104° F (0° to 40° C)	
Temperature Sensing Accuracy	± 2.8° F @ 50° to 90° F (± 1.6° C @ 10° to 32° C)	
User Interface	(2) Buttons with LEDs for device configuration and manual control	
Dimensions	2.57" H x 1.65" W x 1.10" D (6.5cm x 4.2cm x 2.8cm)	
Operating Temperature	14° to +122°F (-10° to +50°C)	
Storage Temperature	-4° to +176°F (-20° to +80°C)	
Mounting	Attaches to HVAC enclosure via adhesive pad or 1/2" threaded nipple	
Environment	Indoor use only 32° to 104° F (0° to 44° C) 20% - 95% relative humidity (non-condensing)	
Safety Approvals	ETL (USA): UL244A ETL (Canada): CSAc22.2#14-05	
Agency Certifications	902 MHz Contains FCC: SZV-STM300U IC: 5713A-STM300U 315 MHz Contains FCC: SZV-STM300C IC: 5713A-STM300C	
Interoperable Products / EEPs (EnOcean 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	

Ordering Information

Model #	Description
EHSM-3	VWireless HVAC Setback Module w/ temperature sensing (315 MHz)
EHSM-9	Wireless HVAC Setback Module w/ temperature sensing (902 MHz)

Pre-configured Kits

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



EHSM HVAC Setback Module +
EDWS Entry Door Sensor +
EOSW Motion Occupancy Sensor



IPAC Plug-in AC Module +
IKCS Hotel Keycard Switch



IPAC Plug-in AC Module +
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.



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