Wireless Hotel Energy Setback Module

Automated Energy Savings for Hotel PTAC Units

The Verve Energy Setback Module provides a turnkey solution for switching HVAC systems between Comfort Mode (occupied) and Energy Savings Mode (unoccupied). The setback module is easy-to-install and connects to the HVAC system within minutes using standard low voltage wiring practices.

Custom. Smart
Verve Code Inside

CONNECTS TO PTAC UNIT / AUTOMATES ENERGY SAVINGS WHEN GUESTS ARE AWAY

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

VHSM

QUIETLY ABATE PTAC ENERGY SPENDING 365/7/24

- Embedded temperature sensing / Guest Room Refresh functionality supported when operating in Energy Savings Mode
- 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 Energy Savings Mode (unoccupied) and Comfort Mode (occupied)
- Compact size allows the module to be concealed within a PTAC enclosure
- Ships pre-linked and pre-configured to support custom hotel applications

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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AUTOMATING ENERGY SAVINGS Since 2008 HVAC and Lighting

verve living systems

Hotel Energy 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
VHSM-3	Wireless Hotel Energy Setback Module (315 MHz)
VHSM-9	Wireless Hotel Energy Setback Module (902 MHz)

Pre-configured Kits

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

VHSM Energy Setback Module +
EDWS Entry Door Sensor +
EOSW Motion Occupancy Sensor

VPAC Plug-in AC Module +
IKCS Hotel Keycard Switch

VPAC 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.

Modbus · BACnet · TCP / IP · Mobile

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