



Self-powered, Wireless Hotel Keycard Switch

The Verve Hotel Keycard Master Switch is a self-powered wireless control that detects occupancy in hotel guest rooms. The keycard switch communicates with other in-room devices and reduces HVAC & lighting utility spending by enabling energy-saving comfort modes when guest rooms are left unoccupied.

INSTALL ENERGY SAVINGS WITHOUT TAKING ROOMS OUT-OF-INVENTORY

7-minute Guest Room Retrofits

-- Verve wireless retrofit kits ship pre-linked & pre-programmed specific to hotel specifications.

-- Most Verve energy saving wireless installations do not require professional electrical labor.

Predictable, Field-validated Energy Savings

- ◆ Keycard slot accommodates any standard hotel keycard.
- ◆ **Self-powered!** No batteries / No line-power needed. The IKCS powers itself each time a keycard is inserted or removed.
- ◆ Installations are fast-&-simple - Verve wireless systems bypass the installation barriers presented by hard-wired solutions. Guest rooms can be retrofitted in as little as 7 minutes by hotel staff.
- ◆ Master wireless switch maximizes **guest comfort** by providing a single point of wireless control for the whole guest room.



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



IKCS

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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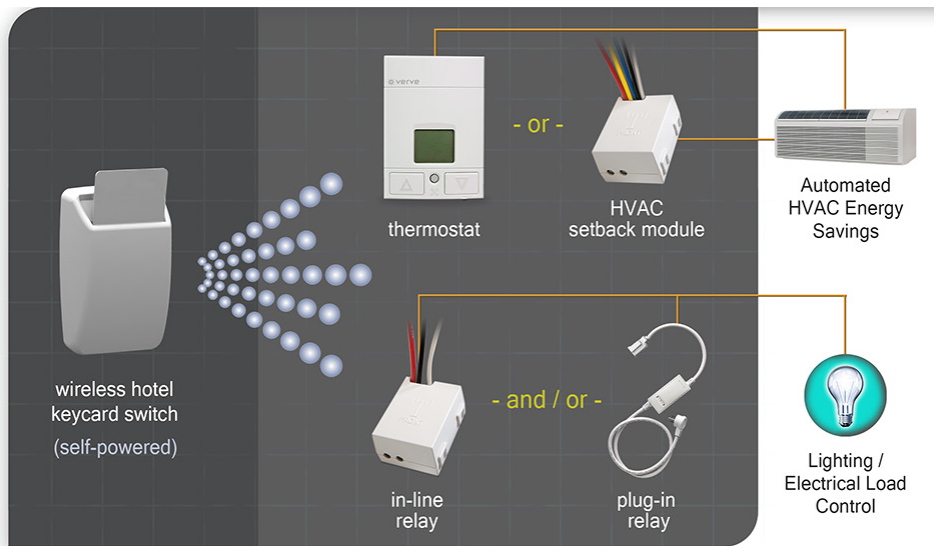
A registered brand of ZENO Controls, LLC

Hotel Keycard Switch

Specifications

Wireless Range	80ft. (25m, through 4 walls or ceilings)	
Wireless Communications	EnOcean 315 MHz EnOcean 902 MHz	
Power Supply	Mechanical energy harvesting (power is generated by the motion of keycard insertion and removal)	
Inputs/Outputs	Slot for standard hotel keycard (2.125" W x 3.375" H x 0.034" D) Radio Frequency (RF) transmitter	
RF Transmission	On keycard insertion & removal	
EnOcean Equipment Profile (EEP)	F6-04-01	
Dimensions	4.64" x 3.05" x 1.04" 118mm x 77.4 mm x 26.6 mm	
Environment	Indoor use only 32° to 131° F (0° to 55° C) 5% to 95% relative humidity (non-condensing)	
Agency Certifications	902 MHz	Contains FCC: SZV-PTM33xU IC: 5713A-PTM33xU
	315 MHz	Contains: FCC: SZV-PTM33xC IC: 5713A-PTM33xC
Warranty	5 years	

Sample Wireless Energy Management Systems



Ordering Information

Model #	Description
IKCS-3	Verve Wireless Hotel Keycard Switch (315 MHz)
IKCS-9	Verve Wireless Hotel Keycard Switch (902 MHz)

Pre-configured Kits

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



EHSM HVAC Setback Module +
IKCS Hotel Keycard Switch



IPAC Plug-in AC Module +
IKCS Hotel Keycard Switch +
IRTS Remote Temperature Sensor



VTST Wireless WiSPER Thermostat +
IKCS Hotel Keycard Switch +
EDWS Outside Door/Window Sensor

Forward Compatible

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



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