



Wireless.  
Battery-less.  
Control.

Verve® Living Systems markets energy-efficiency control products that enable extraordinarily simple and affordable control of lighting, temperature, and electrical loads in new and existing residential or commercial spaces. Based on both radio frequency and energy harvesting technologies, Verve sensors are wireless and battery-less, making them cost effective and eco-friendly. Verve solutions can provide an effective return on investment through energy savings without compromising occupant comfort.

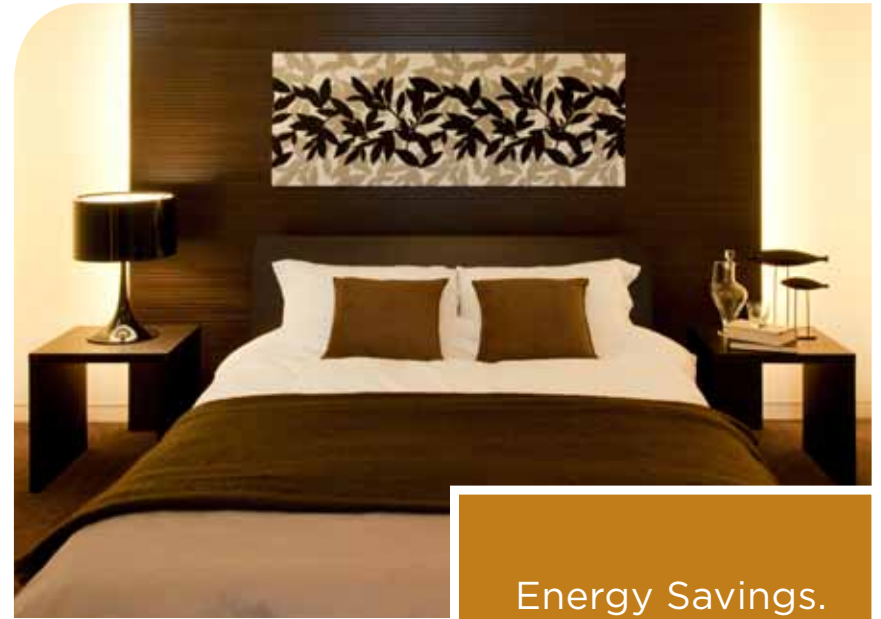
The Verve product portfolio includes products across the categories of Occupancy Detection, HVAC Control, Lighting and Load Control and Interface products. These individual components work together as an organic network to determine the occupancy state of a space and to set-back temperature and turn off lights, outlets and other electrical loads when the space is not occupied. Verve products communicate via radio frequency making them wireless, simple and non-invasive so installation and set-up can be done with in-house resources. They are also energy-harvesting and require no batteries so the need for periodic battery changes and on-going maintenance is eliminated saving both time and money.

Let us help you find the right solution for your needs. We'll even help you identify utility rebates in your area. Give us a call for more information or visit us online at [www.vervelivingsystems.com](http://www.vervelivingsystems.com).

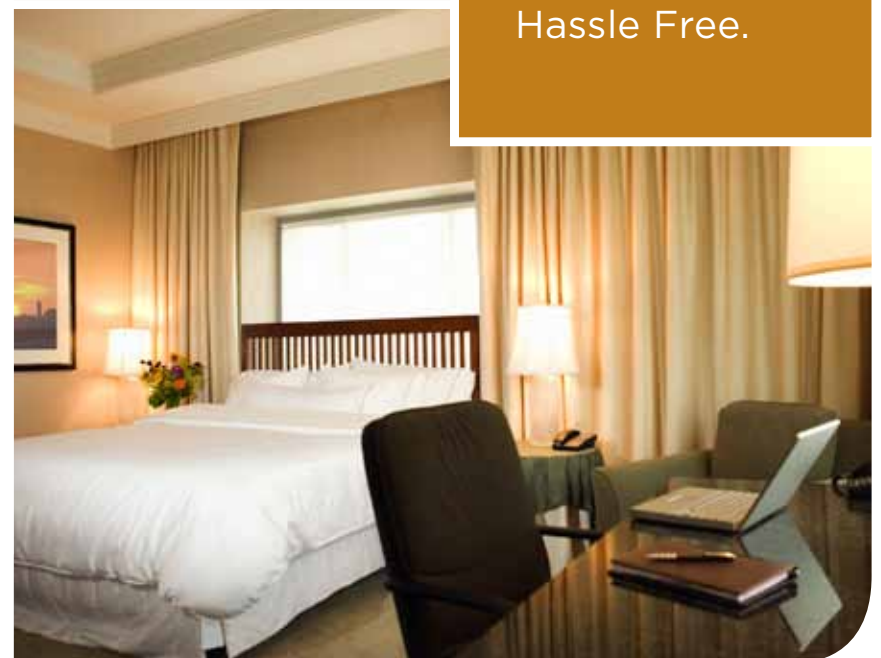
**Verve® Living Systems**

Toll free: 877-874-8774

Web: [vervelivingsystems.com](http://vervelivingsystems.com)



Energy Savings.  
Hassle Free.



# Get the energy savings you want, with the ease you need.

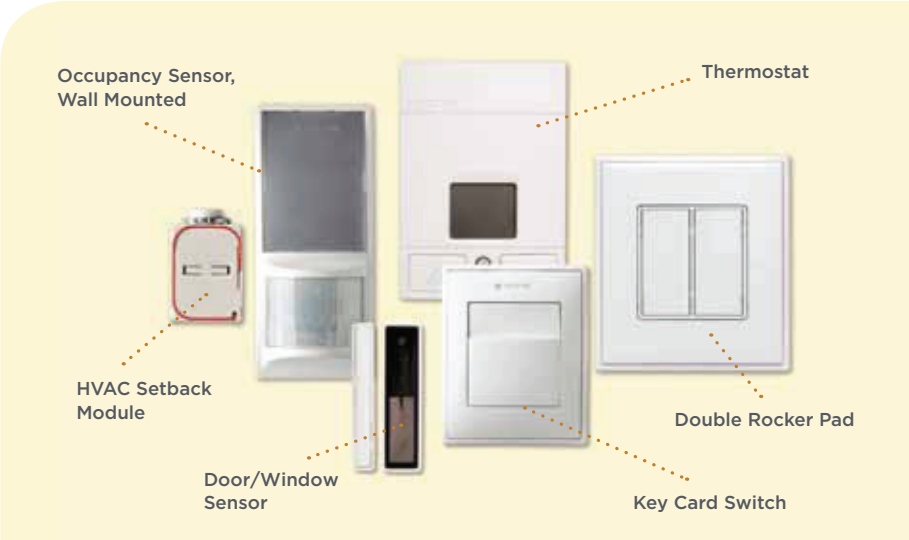
Your guests want comfort. You want to save energy. With Verve® Living Systems, it's easy to have both. Verve wireless sensors and controls provide affordable solutions for controlling HVAC units, lights and electrical devices when rooms are unoccupied.

**Real energy savings.** Verve products provide simple, yet effective ways to conserve energy and lower utility costs. Occupancy sensors determine when the room is unoccupied and send a signal to set back the HVAC system and turn off lights and miscellaneous electric devices - automatically reducing energy consumption.

**Easy to install and maintain.** Verve products can typically be installed in minutes, meaning rooms don't have to be taken out of inventory. The wireless sensors and controls can be installed without running additional wiring or damaging walls. And, because there are no batteries to change, on-going maintenance can be eliminated.

**Fits any budget.** Because Verve products are wireless, they dramatically reduce the cost and complexity of installation—in both new and existing properties. A wide range of solutions are available, allowing you to install a complete energy saving system or target specific needs.

**Uncompromised guest comfort.** Your guests' comfort is a top priority. While in the room, guests are able to control the HVAC system, lights, and other electrical devices. Once they leave the room, Verve sensors send a signal to the control devices to set back the HVAC in the room and allow the room to return to the desired temperature quickly when the guest returns.



Occupancy Sensor, Wall Mounted

HVAC Setback Module

Door/Window Sensor

Thermostat

Key Card Switch

Double Rocker Pad

Occupancy based controls are designed to be inconspicuous and efficient. Redundant sensing can be achieved by combining wall sensors, ceiling sensors, or door/window sensors for the highest degree of accuracy, especially in dual-occupancy scenarios.

## Save Energy and Reduce Costs

- \$2,196** The average hotel spends \$2,196 per room on energy costs each year.\*
- x 40%** Heating and cooling represent almost 40% of the electricity and more than half of the natural gas used by hospitality.\*
- x 35%** An energy management system (EMS) can save 35-45% in energy costs without compromising guest comfort.\*
- \$307** Savings per year per room, based on a conservative 35% energy savings factor.

Verve® Living Systems solutions for HVAC control typically range from \$125-\$280 per room.

\* Source: [http://www.energystar.gov/index.cfm?c=business.bus\\_upgrade\\_manual](http://www.energystar.gov/index.cfm?c=business.bus_upgrade_manual), Chapter 12, pages 2 and 15