



## VENSTAR'S WIRELESS TEMPERATURE SENSORS KEEP PIZZAREV STORES COMFORTABLE WITH 900° OVENS

### CHALLENGE:

#### Keep Customers and Employees Comfortable Near 900° Pizza Ovens

Jonathan Castillo, maintenance manager for PizzaRev, was challenged to find an affordable, energy-efficient smart thermostat to keep the PizzaRev customers and team comfortable in stores that are using hot, 900-degree pizza ovens. The heat generated by the ovens was making it a challenge to keep the stores at comfortable temperatures without incurring a huge energy bill. He also faced the challenge of store employees turning the temperatures down to 62 degrees and leaving it running all night.

Castillo wanted to install wireless temperature sensors that would enable better management of energy usage and cut costs while keeping the stores at a comfortable temperature. He wanted to be able to remotely manage and control temperatures over WiFi® using mobile devices. It was also important for the solution to be able to expand with the fast-growing pizza chain.

### SOLUTION:

#### Venstar's Wireless Temperature Sensors and ColorTouch Thermostats

The PizzaRev team chose Venstar's Wireless Temperature Sensors and ColorTouch® thermostats to gain the following benefits:

- **Comfortable Environment** – Despite the 900 degree ovens, PizzaRev stores kept a comfortable 71 degrees with the use of Venstar's Wireless Temperature Sensors.
- **Accurate Readings** – Having the Wireless Temperature Sensors in several locations allows for a more accurate average temperature reading.
- **Automatic Alerts** – In conjunction with Venstar's Free Skyport™ Cloud Services, alerts are emailed to Castillo if the Wireless Temperature Sensors sense that temperatures are warmer than the programmed setpoints, so he can investigate to see if there is an issue with the HVAC equipment to help eliminate unnecessary repair calls.
- **Reduced Service Calls** – When a store manager calls and says the store is too hot, Castillo can remotely check the temperature as reported by the Wireless Temperature Sensor and decide if a service call is warranted.
- **Install Anywhere** – Because the Wireless Temperature Sensors are battery-operated, they can be installed anywhere, and no wiring is needed. Installation takes minutes rather than hours.
- **Remote Management** – Castillo can now remotely monitor and control the ColorTouch thermostats with mobile devices over Wi-Fi using Venstar's Free Skyport™ Wi-Fi Services and Free Skyport Mobile App.



### About VENSTAR'S WIRELESS TEMPERATURE SENSORS

Venstar's Wireless Temperature Sensor helps save energy while improving indoor comfort. It can be used as a remote sensor in four ways:

- To control air temperature for a specific location
- To average the temperature across the entire location
- To monitor specific locations such as walk-in freezers, refrigerators or wine cellars
- To measure supply air or return air and send email alerts if any issues

Easy to set up with Venstar's Configurator App, the Wireless Temperature Sensor can be used indoors or outdoors with the on-board sensor or an external sensor, such as the included duct sensor. It is compatible with Venstar's ColorTouch® and Explorer™ thermostats.

- Access to Energy Usage History – Gaining valuable data about current and past energy usage enables Castillo to properly program thermostats for the most efficient HVAC equipment usage.
- Remote Access – Castillo has remote access to information from the Wireless Temperature Sensors and can control the ColorTouch thermostats using Venstar’s free Skyport Cloud Services using Apple® iOS and Android™ smart phones or tablets.

“Venstar’s Wireless Temperature Sensors and ColorTouch thermostats give us the ability to remotely manage and control energy usage and costs at our stores while keeping our customers comfortable,” Castillo said.

## Results:

### Venstar Helps Keep PizzaRev Stores Comfortable

Despite pizza ovens set at 900 degrees, the PizzaRev stores remain comfortable for customers and team members with the help of Venstar’s Wireless Temperature Sensors and ColorTouch smart thermostats. According to Castillo, the chain has lowered energy costs by 20 percent using Venstar’s energy management solutions.

Since installing and programming Venstar’s Wireless Temperature Sensors and ColorTouch thermostats, Castillo said they have had very few complaints about the stores being too hot. “The comfort of our stores is very important to us, so we appreciate being able to remotely program and control the temperature using Venstar’s Skyport Mobile App,” he said.

*“The well-being of our customers and team members is very important to us, so we appreciate being able to maintain a comfortable environment with the use of Venstar’s energy management solutions.”*

*– Jonathan Castillo, PizzaRev*

Castillo also appreciates being able to monitor the run time of each piece of HVAC equipment from the ColorTouch thermostats or remotely using the Free Skyport Mobile App. By evaluating the thermostat’s energy usage history, he can predict run trends and future energy usage, which has enabled him to modify the schedule for each HVAC unit to minimize the time it is running and further reduce energy usage. He can even monitor how frequently the HVAC equipment needs servicing, which helps reduce sub-contractor costs.

Castillo said, “Venstar’s solutions enable me to ensure that our customers and team members are comfortable while helping reduce energy usage and cut energy costs.”



Trent Richards, Facilities-Construction Manager - Maintenance Manager  
PizzaRev

## About PizzaRev

Founded in Los Angeles in 2012, PizzaRev is a “build-your-own” fast-casual pizza concept that has reinvented the way America eats its favorite food. Guests are empowered to fully customize a personal-sized 11-inch pizza with more than 30 artisanal toppings for one price. Pizzas are fired in a 900-degree, stone-bed oven that produces a crispy Roman-style pizza in just three minutes. PizzaRev currently operates more than 45 locations with more than 200 additional franchises under development.

## About Venstar

Founded in 1992, Venstar Inc. is a leading thermostat and energy management system (EMS) manufacturer, known for providing value to its customers via ease of use and installation, proven cost savings, improved energy efficiency, quality and reliability. Venstar is one of the largest thermostat suppliers in the world and designs and produces Venstar-branded products, as well as OEM thermostat products for the biggest names in HVAC. Venstar’s Surveyor is a leading energy management system, typically saving small-box retailers 25-35 percent of their energy costs, which translates to tens of millions of dollars in savings each year and dramatic reductions in CO2 emissions. Surveyor currently controls the energy usage of 25,000+ retail locations across the United States, Canada, Puerto Rico and Mexico.

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