

HONEYWELL CONNECTED POWER IMPRESSES IN TESTING

When Honeywell developed the Connected Power solution, we were pretty sure we were onto something groundbreaking in energy savings for any building, large or small. To test this, we reached out to a key partner to put Connected Power through its paces. The results were stunning.

Case Study



“The beta rollout of the Connected Power offering has gone exceptionally smooth and been one of the top new tech solutions we have participated with. Everything from concept to implementation has been well thought out and developed with all aspects in mind to ensure a successful roll out.”

ALEX VOLL
PRESIDENT
ACCU-TEMP COOLING AND
HEATING SYSTEMS, INC.

Honeywell

TAMING PHANTOM POWER DRAIN

Accu-Temp Cooling and Heating Systems serves HVAC customers from its location in Kitchener, in Southern Ontario. As pioneers of leading-edge building technology, they have experiences with several new tech product roll outs. And as a long-term Honeywell partner, serviced through Diamond Distributor Yorkland Controls, they agreed to give Connected Power a test run in their facilities. As a result, Honeywell and Yorkland Controls gained valuable learnings, and Accu-Temp gained energy savings, making the test a big success on both sides of the equation.

THE NEEDS

- A system that allows centralized scheduling and control of power at the outlet
- Visibility into energy use overall and at the individual receptacle
- BMS integration for total building/portfolio overview
- Overheating and fault detection at the outlet
- Strong cyber protocols for the mesh network to ensure connected outlets and hubs aren't a cyber vulnerability

THE SOLUTION

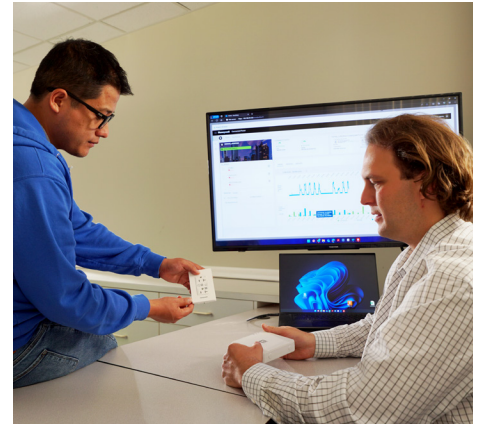
In many ways, the Accu-Temp offices are a typical application for a smart solution like Connected Power. They employ a team of technicians and project managers at workstations using multiple monitors driven from laptops. Some employees leave their laptops plugged in at the office when they leave, and there are the usual office peripheral devices plugged in which don't need to draw power during off hours.

A baseline power consumption test was run at the Accu-Temp site for a week, then Honeywell installed 29 Connected Power outlets controlled through a single Connected Power hub. All were 15 amp with the exception of one 20 amp outlet for the office printer.

The programming scheme for the test was fairly straightforward: The connected outlets were programmed to turn off from 6:00 PM to 6:00 AM, and during weekends.

THE OUTCOMES

The result in plug load energy savings, for the test week over the established baseline energy use, was a 44.36% improvement. That means lower bills and less demand on the utility. In addition the partner loved the easy dashboard visibility into overall power use, and the ability to schedule outlets and monitor their use remotely.



“Our installation went seamlessly. The anticipated energy savings were realized immediately, and the prebuilt dashboards provided ease to comprehend these savings. I'm excited to bring this offering to market and strengthen the Honeywell building technology ecosystem to meet the evolving requirements for smart, healthy, efficient, clean infrastructure.”

—ALEX VOLL

Honeywell Connected Power brings outlet-level control to your existing building management system, with the ability to schedule outlets to be turned off after hours, harnessing significant savings. You can review your total energy use at any time, and with the addition of Honeywell's cloud-based supervisor, **Remote Building Manager**, there are extended dashboards for control and analytics across multiple sites.

Building Automation

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