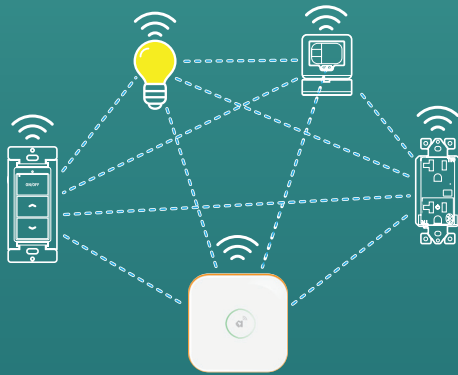


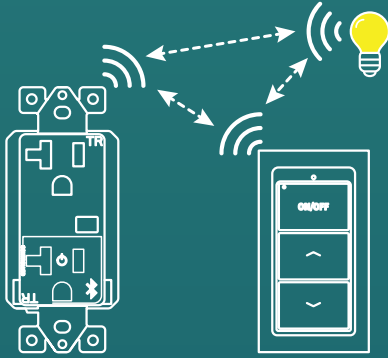
INSIGHT



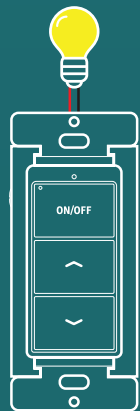
NETWORKED



LOCAL ROOM-BASED



BASIC, STANDALONE



Make Your Building Smarter with Autani

Transform your building into an intelligent, energy-efficient environment with Autani. Our platform seamlessly integrates lighting, HVAC, and other critical systems into a wireless digital backbone. With advanced sensors and analytics, we provide real-time insights to optimize operations, enhance efficiency, and align with your strategic business goals.

Keilton+autani: Smarter Buildings, Smarter Decisions

By integrating our lighting controls platform with Autani's industry-leading energy management, reporting, and control solutions, we elevate your existing infrastructure into a dynamic, responsive system. Our technology is designed to be flexible, scalable, and resilient—ensuring your building adapts to operational demands while driving cost savings and improving performance.

Key Benefits:

- **Lower Operating Costs** – Reduce energy consumption and streamline operations for significant cost savings.
- **Enhanced Comfort & Air Quality** – Create a healthier and more comfortable indoor environment.
- **Proactive Maintenance** – Predict and prevent equipment failures to improve safety and reliability.
- **Optimized Space Utilization** – Leverage occupancy data to make informed decisions about space management.
- **Customer Traffic Insights** – Use real-time analytics to enhance staffing efficiency and customer engagement.

Intelligent Adaptation for Smarter Operations

Autani enables real-time decision-making across:

- ✓ **Energy Management** – Maximize efficiency and sustainability.
- ✓ **Asset Maintenance** – Extend equipment life and reduce downtime.
- ✓ **Space Planning** – Improve utilization and resource allocation.
- ✓ **Customer Engagement** – Enhance user experiences through data-driven insights.

By making buildings smarter, Autani helps organizations reduce costs, mitigate risks, and connect infrastructure performance to long-term strategic objectives. Invest in intelligent automation today and build resilience for the future.

★ **Building Automation and utility savings is just the beginning of what Autani can bring to your business. Smart devices and controls unlock business insights that can have far greater savings implications.**



Energy Saving Strategies

- Daylight Harvesting**
 Dim indoor and outdoor lighting when daylight is available. **5-25% LIGHTING SAVINGS**
- Local Dimming Control**
 Permit occupants to lower the light level below the high-end trim for comfort and additional savings. **10-20% LIGHTING SAVINGS**
- High-End Trim | Institutional Tuning**
 Set the maximum light level based on customer requirements in each space to prevent overlighting. **10-30% LIGHTING SAVINGS**
- System Metering and Monitoring**
 Add revenue grade metering for measurement, verification, and system monitoring to identify changes in energy performance. **REAL-TIME KNOWLEDGE**
- Occupancy / Vacancy Sensing**
 Turn lights on when occupants are in a space and off when they vacate the space. **10-40% LIGHTING SAVINGS**
- Demand Management**
 Manage lighting and HVAC electrical loads to limit ratchet charges and periods of peak demand pricing. **10-40% DURING PEAK PERIODS**
- HVAC Control**
 Manage smart thermostats and sensors to implement temperature setback of HVAC equipment based upon occupancy or timeclock. **10-25% ELECTRIC COOLING AND HEATING SAVINGS**
- Plug Load Control**
 Manage control of select plug loads for Energy Code Compliance and the elimination of phantom loads when the building is not occupied. **10-50% CONNECTED ELECTRIC LOAD SAVINGS**
- Automatic Scheduling & Timeclock**
 Implement automatic shut off of indoor and outdoor lighting systems, including astronomical timeclock for outdoor lights to maximize energy savings. **10-25% LIGHTING SAVINGS**

Keilton + autani

Solution Brochure


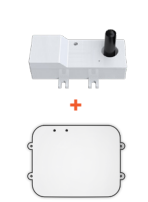
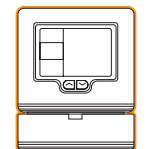
Intelligent Building Network Architecture

Seamless and Scalable Wireless Backbone for Smarter, Connected Facilities: The Autani EnergyCenter Platform

Autani's EnergyCenter building management platform transforms your facility into an intelligent, energy-efficient ecosystem. By integrating indoor and outdoor lighting systems, managed thermostats, and other critical infrastructure, EnergyCenter creates a seamless, wireless network of user-friendly controls—accessible anytime, from anywhere.

At the heart of Autani's wireless mesh network are key components that ensure real-time data collection, optimization, and extended coverage:

Product Recommendations

	<p>Autani Manager The central intelligence hub that collects, aggregates, and analyzes building-wide data for improved efficiency. Also the coordinator for Zigbee communication to thermostats.</p>
	<p>CR05.A0 + RTR.A0 CR05 Antennas – Act as Bluetooth communication nodes, ensuring a robust and responsive network for each Keilton+autani Zone. RTR Routers – Expands wireless reach by linking multiple CR05 gateways, delivering full-facility coverage and uninterrupted connectivity.</p>
	<p>T32P Thermostat T32P Wireless Thermostat is capable of integration with Autani's EnergyCenter Platform. The T32P Thermostat is a direct replacement for many existing thermostats.</p>

With EnergyCenter, buildings become more responsive, cost-effective, and future-ready—empowering smarter operations and sustainable performance.

Light Controllers

Controllers



Switches



Sensors



Adapters



Plugload



Demand Response / Electrical Load Shedding

Per 2021 IECC C406.4

Upon notification of a demand response signal, the building [automatically] or [manually] implements the following during the entire duration of the event via the EnergyCenter software:

- Maximum light level set to [50%] in all essential spaces.
- Non-essential space lighting is turned off.
- Non-essential controlled electrical receptacles are turned off.
- Essential controlled electrical receptacles are monitored with alerts set at [10 amps] to notify facilities management of excessive loads and their location.
- Electrical meters connected through BACnet will report electrical load consumption and provide status alerts every [15 minutes] via the EnergyCenter software during the event.
- Precisely adjust thermostat setpoints—decrease heating thresholds or increase cooling levels to enhance efficiency. Strategically switch select units to 'off' mode to further optimize energy usage and overall performance.

