

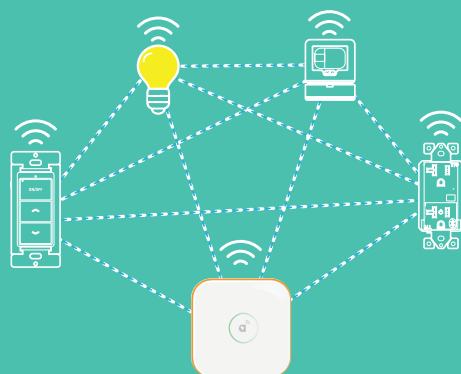
INSIGHT

Keilton  
+ autani



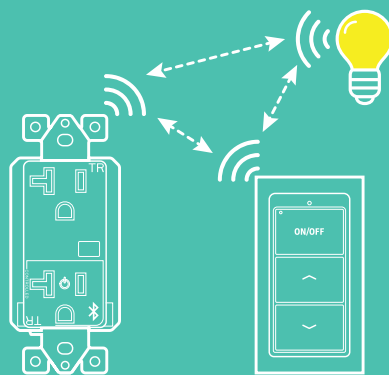
NETWORKED

Keilton  
+ autani



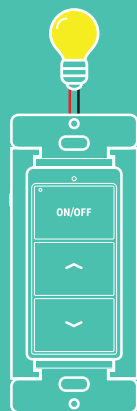
BASIC, LOCAL ROOM-BASED

Keilton.



BASIC, STANDALONE

Keilton.



Make Your Building Smarter with Autani

The Autani platform integrates lighting, HVAC and other systems into a wireless digital backbone. Advanced sensors and analytics provide the data foundation to optimize operations and align with business goals.

Keilton+autani makes your existing building smarter by integrating the Keilton lighting controls platform with Autani's proven energy management, reporting, and control platform. Our systems are flexible, adaptable, and resilient, aligning your business goals with the operational demands of your building infrastructure, which ultimately impacts your bottom line.

Key benefits:

- Reduced expenses through energy savings and efficient operations
- Enhanced comfort and air quality
- Proactive maintenance for safety
- Visibility into occupancy patterns and space utilization
- Customer traffic insights to inform staffing

Real-time adaptation of building controls improves decision making across:

- Energy management
- Asset maintenance
- Space planning
- Customer engagement

By making buildings smarter, Autani builds resilience into operations. This allows organizations to reduce costs, mitigate risks, and connect infrastructure performance to strategic objectives.

★ **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**

LiteTrace

Keilton  
+ autani

autani  
building controls

Keilton + autani  
Product Brochure

# Building Network Overview

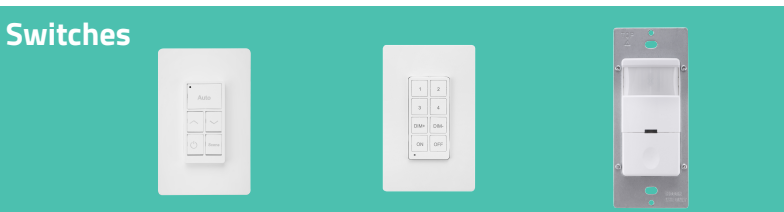
## Wireless Smart Building Backbone Via Integrated Systems

Autani's EnergyCenter building management platform upgrades the entire facility, from indoor and outdoor lighting systems to standalone thermostats, with an energy efficient network of user-friendly controls that can be accessed anytime, from anywhere. Autani's wireless mesh network is primarily built from these components. The Autani Manager collects and aggregates data throughout the building, while the CR05s act as wireless gateways within the building. When combined with an RTR, multiple CR05s extend wireless coverage throughout the entire facility.

### Product Recommendations

	<p><b>Autani Manager</b></p> <p>These are essentially mini-Managers that allow multiple zones and fixtures to have a more local hub. This prevents any lags from distance to the Manager and allows for more fixtures to be controlled in a designated area.</p>
	<p><b>CR05.A0 + RTR.A0</b></p> <p>CR05 and RTR devices work in conjunction with the Manager to bring Bluetooth lighting controls into your network. Additionally, they extend the range of the wireless communications, which is especially useful when bridging between multiple floors or outdoor lights.</p> <p>Use the RTR and CR05 to position antennas for energy monitoring, offsite schedule changes, and remote monitoring.</p> <ul style="list-style-type: none"> <li>Bluetooth network per CR05 may not exceed a radius of 100ft</li> <li>Bluetooth network per CR05 may not exceed 4 hops wireless mesh</li> </ul>
	<p><b>T32P Thermostat</b></p> <p>T32P Wireless Thermostat is capable of integration with Autani's Energy Center Platform. The T32P Thermostat is a direct replacement for many existing thermostats.</p>

### Light Controllers



# 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.

