Guide to Energy Management Solutions
EXPERTS PREDICT that over the next 30 years, the current U.S. building stock of 300 billion square feet will change dramatically, with 52 billion square feet being demolished, 150 billion square feet remodeled and another 150 billion square feet being added.

With more than 500,000 buildings, Government agencies can lead the Nation in energy efficient building design, construction and operation. As a major consumer spending as much as $200 billion annually on products and services, Government agencies can help foster markets for emerging technologies and promote energy efficiency.
Solutions for Every Application

Your team is most likely familiar with Leviton’s trusted name. Leviton’s products are in 9 out of 10 building structures all across the U.S. On the forefront of pioneering the electrical industry over a century ago, Leviton remains a leader of electrical and energy management solutions today. With the strength of a century of experience, Leviton has the resources to sustain and support changes in energy management solutions as innovative technological advances are made.

WHY LEVITON?

Partnering with Leviton

By partnering with Leviton, you gain access to the resources, training and support to help you maximize opportunities with the most comprehensive array of products and services of any manufacturer in the industry. Leviton’s goal is simple … to provide you with the highest quality products and services that will enable you to successfully build an energy efficient world for all federal, state and local government agencies.

The Future is ON

There’s a good reason Leviton is the number one choice of builders, architects, electrical contractors, specifying engineers and other electrical professionals. Leviton products are backed by superior technical service, quality assurance, engineering, research and development, testing and the highest manufacturing standards. This combination of expertise and personal commitment has earned Leviton a worldwide reputation for quality, service and reliability.
Why Leviton?

OVER A CENTURY OF EXPERIENCE AND A REPUTATION TO BACK IT UP

Founded in 1906, Leviton Manufacturing Company began with a single electrical product – a pull-chain lampholder. Today, Leviton offers over 26,000 innovative electrical, electronic and voice and data devices through its eight business units and worldwide manufacturing facilities.

Leviton’s industry-leading R&D has resulted in a legacy of product excellence with over 600 patents to date. Leviton’s lines of high- and low-voltage product offerings enjoy unmatched market penetration with Leviton products found in 9 out of 10 buildings across the U.S.
SETTING THE STANDARD FOR SERVICE AND SUPPORT
The true mark of leadership is customer satisfaction. Leviton’s nationwide support team places technical abilities at your disposal to help engineer the best solutions possible for any application.

• Professional in-house applications engineering layout services – unmatched submittal grade layout drawing and BOM packages at no cost
• Widest distribution in the nation making Leviton products available through distributors you are likely already doing business with today
• Largest factory sales and support team – no one offers more coverage and support than Leviton
• Centralized customer service department services your needs with quick turnaround and maximum efficiency
• Strategically located warehouses throughout North America, equipped with advanced material handling technologies are interlinked by a computerized network that provides outstanding turnaround and order fill for customers
• Largest factory field service technician network with complete commissioning and engineering check-out services
• Exclusive no cost resources for design tools, continuing education, training and energy codes and standards

VISION, TECHNOLOGY AND SOLUTIONS
Equipped with the latest CAD/CAM tools, direct model-making capability and industry-leading R & D and testing facilities, Leviton’s design staff is able to quickly develop products for every industrial and commercial grade wiring device application. With the ability to make quick product changeovers, this enables Leviton to operate at the cutting edge of responsiveness.

WORLD-CLASS QUALITY
Backed by a longstanding tradition of quality and ISO 9001 certification, Leviton applies the highest quality standards to the development and manufacture of all its products. The integration of technology-based process controls ensures consistent quality while providing significant efficiencies and reducing manufacturing costs – enabling Leviton to offer its customers value as well as performance.

In-house labs perform demanding tests to ensure that all products meet or exceed the most rigorous standards. This gives Leviton the confidence to offer one of the strongest warranties in the industry - exclusive performance guarantees backed by a lifetime performance warranty and applications assurance on certified installations. That’s a statement of quality you’ll find only from Leviton.
Leviton Capabilities

OUTSTANDING SELECTION
Leviton’s team of electrical industry experts work together to maintain an outstanding selection of top-quality, easy-to-install products. Whether you require a quick and easy solution to turn the lights off based on occupancy or custom-designed lighting control systems tailored to site-specific needs, Leviton has the product or system for your application.

Self-Powered Wireless Solutions
Leviton combines occupancy sensing with wireless and self-powered technology for savings on energy, labor, material and time. With no additional wiring needed for installation, Leviton’s Wireless Occupancy Sensing Solution takes minutes to install, not hours, for quicker job turnaround times and lower labor costs. It’s the ideal solution for retrofit projects that need occupancy sensors or multi-location switching.

Installation is quick and easy. Simply replace the existing wall switch with the Wall Switch Receiver, mount the Wireless Self-Powered Occupancy Sensor and installation is complete. With no wires to run, installation costs can be as much as 50% less than conventional hardwire systems. The Wall Switch Receiver and Wireless Self-Powered Remote Switch can also be used for easy and convenient wireless multi-location switching.

- No new wiring required for installation – eliminates wiring challenges
- Self-powered – no external power or batteries required – sensor utilizes a built-in solar cell and remote switch uses kinetic energy for reduced maintenance and material costs
- Easy wireless solution for convenient multi-location switching – installs in minutes with no new wiring needed

Occupancy Sensors

Occupancy sensors offer an economical and fast solution to maximize energy savings and comply with codes. By providing automatic switching of lighting and building loads, this ensures that lights go off when not needed. Leviton offers an occupancy sensing solution for every application – wall switch, low voltage, high bay, cold storage, outdoor, wireless sensors and more.

NAFTA compliant/Buy America

Leviton also offers a line of occupancy sensors that meet NAFTA and Buy America requirements. Leviton’s wide variety of NAFTA compliant occupancy sensors offers a sensor to meet any application. Choose from wall switch, low voltage, dual relay, multi-technology, wireless sensors and more.

Relay Control Systems

Leviton’s Z-MAX™ Plus and EZ-MAX™ Plus Relay Control Systems offer stand-alone and fully integrated building-wide solutions for spaces where centralized lighting control, programming and monitoring are required. Control multiple loads automatically for energy management, security and outdoor lighting. Z-MAX combines a revolutionary super-long-life relay circuit and astronomical time clock (ATC) with effortless programming, contractor-friendly wiring and modular relay cards to provide a single integrated cost-effective solution in place of separate time clock, cabinet, terminal blocks and contactors to reduce labor, material and maintenance costs. The Z-MAX Plus and EZ-MAX Plus line also incorporates occupancy sensors, photocells, low-voltage switches and digital switches for a comprehensive energy management solution.

Daylight Harvesting Systems

Daylight harvesting technology maintains a programmed level of light by precisely adjusting the output of a room’s luminaires to compensate for ambient light levels. Leviton’s miniZ Intelligent Daylight Harvesting System uses photocells to measure the ambient light and then automatically dims or brightens to achieve a user-programmed level of light. The miniZ also offers an alternative to dimming with bi-level or multilevel switching where luminaires in different zones are switched on and off based on ambient light levels. By taking advantage of natural lighting, daylight harvesting can reduce electricity bills as much as 60%. In addition, miniZ controls occupancy sensors and provides manual switching control.
Dimming Systems

One of the easiest ways to reduce electricity consumption is via a combination of dimmers and task lighting. Not only do dimmed lights draw less electricity, they produce less heat— and that can reduce cooling costs, which can really add up in warmer climates. As a general rule: the more you dim, the more you save. Dimming also enables bulbs to last longer resulting in less maintenance costs.

DIMENSIONS® D4000 ARCHITECTURAL LIGHTING CONTROLS

The Dimensions D4000 line puts total lighting control at your fingertips, combining ease of operation, configuration and installation. The product offering includes scalable products for every need from stand-alone systems to complete network environments. To comply with energy code requirements, the Dimensions D4000 line can also be integrated with a wide range of occupancy sensors and daylighting systems.
Intelligent Ballast and Lighting Control System

The Sector Intelligent Ballast and Lighting Control System combines occupancy sensing, daylight harvesting and flexible dimming lighting control in one conveniently integrated system to easily save time, money and energy while complying with codes. This topology-free, polarity-free system allows the entire network to be installed using the same wiring for all components and accessories making it one of the easiest lighting control systems to install. All components are on a single bus, with accessories connected to the network, not the ballast.

Sector offers the ultimate flexibility in design, installation and configuration using a central drag and drop GUI interface. A patent-pending address system allows simple ballast identification to the lighting plan for rapid commissioning, reconfiguration and maintenance. For increased energy savings at a minimum cost, advanced Sector Ballasts are dimmable from 100% to 1% in 1% increments. For added user satisfaction, workspace lighting can even be controlled right from their desktop with an individual Personal Dimming Option (PDO).

The Sector family of products provides a scalable solution that offers maximum flexibility and coverage in any application. From a single room to a campus of buildings in retrofit or new construction projects, Sector makes your lighting control system easy to install, easy to design and easy to maintain.
1. Dimensions D4000 Multi-zone & Dimming Controller for scene control.

2. Wireless Self-Powered sensor – no batteries or external power required.

3. Sector intelligent ballasts offer distributed fluorescent energy management control with point-and-click ease.

4. miniZ System makes daylight harvesting simple & cost effective.

5. Multi-technology Wall Switch with manual and automatic modes.

6. Occupancy Sensor ensures lights go on whenever someone occupies hallway.

7. High-Bay Occupancy Sensors mounted to fixtures for a simple, energy-saving retrofit.

8. Networked Z-MAX Plus Cabinet for building schedules and integrated control.

9. Outdoor Occupancy Sensor/Photocell ensures lights remain off in daytime.
Unmatched Service & Support

LEVITON IS THERE DURING EVERY STEP OF THE PROCESS

There is much more to making lighting more energy efficient than just installing a simple device or two. System design, product selection, installation and service: it needs to all come together. That’s where Leviton service and support options come in. Leviton helps you design your system and make the right product selections so you can create and build a system that does exactly what you want it to do while meeting codes and standards and saving energy. Leviton’s industry experts are here to support you every step of the way. No other manufacturer offers you as much service and support as Leviton.

Save time and energy in your design process by utilizing Leviton’s exclusive no cost design services and resources at www.leviton.com/ESP.

• **Unmatched occupancy sensor layout services** – submit your CAD files via the Online Portal and Leviton will supply professional grade submittal package drawings and a comprehensive List of Equipment
• **Occupancy sensor layout tools** – easily project coverage areas and create your own CAD layouts
• **ASAP Lighting Control Designer Software** – quickly design, specify and enter orders in minutes with this point and click design and BOM generating software
• **Dollars & Sensors software** – uses a DOE savings database to produce immediate energy savings potential, payback and ROI reports when you use Leviton occupancy sensors
• **ez-Learn online training programs** - 365/24/7 training

ONE CALL PUTS ALL THESE SERVICES AT YOUR FINGERTIPS.

Let Leviton help you take advantage of your potential energy-saving opportunities. To discuss the solutions that Leviton can offer to promote and expand your efforts in your commitment to an energy efficient government, contact Leviton at 503-404-5555 or email ESPhelp@leviton.com.