HUBBELL CONTROL SOLUTIONS
PRODUCT PORTFOLIO
Hubbell Control Solutions’ advanced systems and lighting controls offer a comprehensive portfolio of simple, scalable and seamless solutions for indoor and outdoor applications from a single partner. Our advanced lighting control technologies provide intuitive and flexible deployment options to meet code, enhance comfort, increase energy savings and improve operating efficiency for enterprises of any size.

Hubbell Control Solutions’ product suite includes distributed and centralized, wired and wireless systems, luminaire integrated sensors, color tuning controls, panels, occupancy sensors, photocell sensors, and emergency relays.

### Platform Selection Guide

Hubbell Control Solutions’ four platforms provide the flexibility to meet the application needs, code compliance and budget requirements for any project.

<table>
<thead>
<tr>
<th>Platform Features</th>
<th>Attributes</th>
<th>NX Distributed Intelligence™</th>
<th>PowerHUBB™ Lighting &amp; Control</th>
<th>wiSCAPE™ Lighting Control SiteSync Lighting Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>Distributed</td>
<td>Centralized</td>
<td>Distributed</td>
<td>Distributed</td>
</tr>
<tr>
<td>Deployment</td>
<td>Standalone</td>
<td>Network</td>
<td>Network</td>
<td>Network</td>
</tr>
<tr>
<td>Application Space</td>
<td>Interior / Exterior</td>
<td>Interior</td>
<td>Interior</td>
<td>Interior</td>
</tr>
<tr>
<td>Wired Connectivity</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Wireless Connectivity</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>On-Fixture Controls</td>
<td>(Exterior Only)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>In-Fixture Controls</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Room Controllers</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Networked Building Controls</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Basic Code Compliance</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Occupancy Sensing</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Daylight Harvesting</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Zone Control</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Scheduling</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>0-10V Dimming</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SpectraSync™ Color Tuning</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>3rd party Integration (AV, Shade, HVAC)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>BMS Integration (M/BACnet)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Application Programming Interface (API)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Analytics</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Enterprise Services</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Mobile Application (Commissioning)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Windows® Client Application</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Web-Browser Application</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Only supported with On-Fixture Control Module and with select parking garage luminaries.*

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Hubbell Control Solutions’ advanced systems and lighting controls offer a comprehensive portfolio of simple, scalable and seamless solutions for indoor and outdoor applications from a single partner. Our advanced lighting control technologies provide intuitive and flexible deployment options to meet code, enhance comfort, increase energy savings and improve operating efficiency for enterprises of any size. Hubbell Control Solutions’ product suite includes distributed and centralized, wired and wireless systems, luminaire integrated sensors, color tuning controls, panels, occupancy sensors, photocell sensors, and emergency relays.
NX is designed for buildings, rooms and luminaire-based applications with a comprehensive portfolio of panel, room-based and in-fixture controllers, sensors and human interfaces as well as support for Building Automation Systems.

Scalable
NX supports indoor and outdoor applications, wired, wireless and hybrid networked lighting control deployments, and enables emerging applications such as Hubbell Lighting’s SpectraSync™ Color Tuning Technology and SpectraClean™ Antimicrobial Lighting Technology.

Versatile
NX Distributed Intelligence™ platform delivers a seamless lighting control solution for both indoor and outdoor spaces. NX is capable of operating from standalone fixture and room control applications to networked building deployments. NX operates using wired, wireless and hybrid connectivity with native BACnet™ support.

Truly Intelligent
The Hubbell Control Solutions’ NX Distributed Intelligence lighting control platform is the first of its kind to utilize a distributed network architecture (DNA) which provides users with unmatched system reliability, scalability and simplicity.

Simple and Intuitive
NX provides occupants with nearly unlimited lighting control possibilities and is designed to self-configure, automatically meeting energy code requirements as devices are connected.

Intelligent Lighting for Connected Buildings and Spaces
Hubbell Control Solutions’ NX Distributed Intelligence™ platform delivers a seamless lighting control solution for both indoor and outdoor spaces. NX is capable of operating from standalone fixture and room control applications to networked building deployments. NX operates using wired, wireless and hybrid connectivity with native BACnet™ support.

For additional solutions possible with NX please visit www.hubbellcontrolsolutions.com to view our Vertical Market Application Guides.
Hubbell Control Solutions’ PowerHUB™ platform provides building owners and lighting practitioners with a fully integrated, end-to-end, PoE network leveraging the Internet of Things (IoT) to future-proof buildings through a highly scalable, digital ceiling platform. PowerHUB’s enterprise technology provides a clear path for cost-effective smart building deployments, delivering the best ROI in the industry.

One Company, One Platform, Limitless Possibilities

PowerHUB software can scale from basic lighting control to advanced cloud-based analytics. The analytics provide building automation integration and IoT application development to deliver smart building solutions that help improve decision making, and the bottom line.

Actionable Intelligence

PowerHUB software can scale from basic lighting control to advanced cloud-based analytics. The analytics provide building automation integration and IoT application development to deliver smart building solutions that help improve decision making, and the bottom line.

Simple and Flexible Deployment

A Power over Ethernet installation reduces material and labor cost by using a single Cat5e/6 connection for power and communication. This plug-and-play, low-voltage cabling approach greatly simplifies the installation process, saving time, minimizing safety risk and helps to alleviate recurring costs for skilled labor.

Enhanced Energy Savings

Greater energy savings can be realized by implementing PowerHUB’s advanced energy management tools, automation access and open Application Programming Interface (API) to drove scalable and aggressive control strategies across the building environment. Further reduction in energy consumption can be gained by using dashboards to visualize trends and measurements for optimizations and improved efficiencies.

Code Compliance Made Easy

PowerHUB delivers a system designed to meet the latest requirements of ASHRAE, IECC and Title 24 energy codes. Utilizing its robust software tools and embedded device intelligence, PowerHUB provides a simple and customizable means to meet project requirements while delivering additional energy savings.

Hubbell Control Solutions’ wiSCAPE™ outdoor lighting management system delivers wireless control solutions to maximize energy savings and enhance safety for parking lots to campuses and cities. With a fully integrated, end-to-end platform and robust software suite to manage, monitor and measure lighting assets, wiSCAPE provides an immediate path to improved operational efficiencies.

Delivers Peace of Mind and a Better Bottom Line

wiSCAPE’s intuitive enterprise software suite offers real-time asset management to advance customizable map views and dashboards to help improve operational efficiencies. This is accomplished over a highly secure network using the latest in advanced security measures and encryption to ensure data is handled safely.

Unparalleled Scalability and Flexibility

wiSCAPE provides the ability to monitor, manage, and meter a limitless number of lighting assets to deliver optimized deployment solutions that can be adjusted without impact to infrastructure.

Open Connectivity

Compliant with open standard network technologies and industry protocols, wiSCAPE’s connected devices integrate seamlessly and reliably with 3rd party systems to deliver additional application solutions.

Versatile Operation with Peace of Mind

wiSCAPE’s intuitive enterprise software suite offers real-time asset management to advance customizable map views and dashboards to help improve operational efficiencies. This is accomplished over a highly secure network using the latest in advanced security measures and encryption to ensure data is handled safely.

Invaluable Insights

Data insights generated by wiSCAPE’s advanced energy management tools, utility-grade metering, 24/7 diagnostic reporting, and/or configurable alert notifications, can be used to implement control strategies and preventive measures that improve the bottom line.

Platform Snapshot

<table>
<thead>
<tr>
<th>Space Type</th>
<th>Architecture</th>
<th>Deployment</th>
<th>Connectivity</th>
<th>Integration Options</th>
<th>Advance Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior</td>
<td>Distributed</td>
<td>Network</td>
<td>Wireless</td>
<td>BACnet™ Enterprise</td>
<td>API, Analytics</td>
</tr>
</tbody>
</table>

Take Control of the Outdoors and Enhance Safety and Improve Operational Efficiencies

Diagram Key

- wiSCAPE Express
- Cloud/ Premise
- wiSCAPE Enterprise
- LAN/WAN
- Gateway
- Wireless Smart Relays
- Wireless In-Fixture Controls - Parking Lot
- Wireless In-Fixture Controls - Parking Deck
- Wireless In-Fixture Controls - Campus
- Wireless On-Fixture Controls - Roadway
- wiSCAPE Wireless Passive Infrared Sensor
- Viper

Figure
Simple, Reliable, Affordable

SiteSync Lighting Control delivers flexible control strategies for reducing power consumption and minimizing maintenance costs while delivering the right light levels with a simple and affordable wireless solution. With SiteSync Lighting Control's pre-programmed approach, installation becomes a quick and easy process, greatly reducing the complexity, time, and cost compared to typical field commissioning.

**Design Flexibility**
- User-defined dimming schedules, for each day of week and up to 24 special dates.
- Supports multiple complex dimming schedules using real or astronomical time.
- Motion detection support using master and satellite grouping.
- Lumen maintenance compensation.
- Automatic adjustment for Daylight Savings Time.

**System Capabilities**
- Distributed intelligence - removes need for web access, central controller or gateway.
- Semi-autonomous wireless mesh network provides peace of mind with cyber-safe and reliable architecture.
- No recurring fees for service, support or licenses.
- Offers advanced security options for encryption and channel selection.

**Installation Simplicity**
- Factory pre-commissioning removes complexity and reduces time and cost.
- Luminaires are tagged for quick and easy identification.
- Simply set date and time to complete install process.
- Modify schedules in the field at any time using software.

**Embedded Intelligence**
- Semi-autonomous design allows for independent operation.
- Local flash memory for data retention.
- On-board machine clock.
- Backup solid state battery for date and time retention.
- Built-in 2.4 GHz radio (8 channels).

Connected Lighting Made Easy

**Specify**
- Provide Hubbell Lighting with completed pre-commissioning worksheet.
- Luminaires are shipped pre-commissioned from the factory.
- Each luminaire arrives on site with an identification label.
- Use SiteSync software to broadcast current date and time.

**Install**
- Simply install, set date and time.
- Once installation is complete, SiteSync Lighting Control starts working to:
  - Deliver significant energy savings.
  - Maximize the life of lighting assets.
  - Decrease maintenance-related costs.
  - Create a safer environment.

**Save**
- Enjoy the immediate benefits of SiteSync Lighting Control.

**Diagram Key**
- Hubbell Windows
- Passive Infrared Sensor
- SiteSync Bridge
- SiteSync Software
- Wireless In-Fixture Control - Parking Lot A
- Wireless In-Fixture Control - Building Exterior
- Wireless In-Fixture Control - Parking Lot B
- Viper
- Matrix
- LNC3

Specify with Design Flexibility
Simply Install, Set Date and Time
Enjoy the Immediate Benefits of SiteSync
Lighting Control Panels

CX Commercial Lighting Control Panels

The CX Panel has a diverse set of programming capabilities allowing for manual or scheduled switching and dimming from 4 to 24 lighting loads. Designed to be a low-cost alternative to high-cost lighting control systems, while offering more options than a time clock and contactors, the CX Panel offers maximum flexibility to a wide range of small to medium commercial projects such as gas stations, convenience stores, retail stores and schools.

Key Features:
- 4 Relay Panel sizes: 4, 8, 16 and 24
- Four types of relays – 20A/1P (NO), 20A/2P (NO and NC) (14K SCCR) and 30A/1P latching (18K SCCR)
- Optional dimming control of 0-10V drivers and dimmable ballasts
- LCD user interface with keypad
- Programmable inputs accept low voltage switches, photocells, or motion sensors
- Program uploads via removable SD card

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Sensor and Relays

Hubbell Control Solutions (HCS) offers one of the industry’s broadest selections of Occupancy/Vacancy Sensors. Utilizing the embedded IntelliDAPT™ technology, HCS Sensors analyze the controlled area to make automatic adjustments in both sensitivity and timing settings for optimal performance, energy savings and maintenance-free operation.

LightHAWK® | Intelligent Occupancy/Vacancy Wall Switch Sensors
- Ultrasonic (US) and Passive Infrared (PIR) technologies for unequalled motion detection
- Manual-ON (Vacancy Sensor) or Automatic-ON (Occupancy Sensor)

OMNI® | Intelligent Occupancy/Vacancy Ceiling Mount Sensors
- US and PIR technologies for unequalled motion detection
- 500-2,000 square-foot coverage area per sensor (depending on model)

WASP™ | Occupancy Sensors for High/Low Mount and Outdoor Use
- US and PIR technologies for unequalled motion detection
- Built-in photo sensor for automatic daylight harvesting

Daylight Harvesting Controls
- Open and Close loop photo sensors available
- Indoor and Outdoor options
- Photo sensors for standalone and network solutions utilizing HCS controls

Emergency Relays
- UL924 applications for shunt or bypass
- UL1008 applications for local transfer
- Includes 0-10V dimming applications
Our Experience
Hubbell Control Solutions offers customers a wide variety of services, a wealth of field experience and the highest quality products. We are committed to the same level of quality when providing services including layouts, training and system start-ups to our customers.

Solutions
From the first contact through the final system adjustment, Hubbell Control Solutions Technical Sales and Service personnel adhere to the highest level of professionalism and responsiveness. Because we value our customers so highly, we ensure that they receive full corporate support throughout every phase of a sale. Our service organization offers the convenience of a variety of services: on-site troubleshooting, maintenance contracts for periodic system checks, on-site start up and check out to maximize system performance.

Service & Support capabilities:
- Sensor Layout and Tuning
- Onsite Startup
- Telephone Startup
- Onsite Performance-Verification Walkthrough
- Customer Site Solution Training
- Onsite Support
- Remote Diagnostics
- Onsite Programming

Phone and Online Support
While it is our goal to provide you with intelligent, simple and scalable control solutions, customer experience level and project complexity may necessitate additional support during the design development, construction and post-occupancy stages of a project.

The Hubbell Control Solutions support team is available for consultation to evaluate multiple control scenarios to identify the ideal lighting control device or system to meet energy code requirement and customer criteria. Additionally, our team of friendly and experienced professionals is enabled to assist on-site personnel, such as installation contractors, 3rd party integrators, certified field technicians and facilities personnel, to quickly resolve issues and provide additional support.

Technical Service Center:
(800) 888-8006

Design Service
Our team of lighting control system design professionals are available to provide sensor layouts, networked system design services and 3rd party integration support for new and retrofit projects. Our goal is to provide you with on-time and accurate delivery of design deliverables optimized for your specific application, compliant with local building codes and project specifications.

On-site Support
Hubbell Control Solutions offers on-site support service to ensure your project goes smoothly. While Hubbell Control Solutions products are designed with simplicity in mind, some projects may benefit from a Field Service Engineer (FSE) to perform an onsite pre-installation walk-through, after-hours and remote startup assistance, occupant training, sensor tuning, preset programming and other pre/post-occupancy services.

For additional resources view our Technical Services Catalog

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