Acuity Brands Controls

The right control solution for every application, every performance requirement, every budget—every lighting system.

Acuity Brands Controls offers multi-layered control solutions ranging from occupancy sensors and twist-and-lock photocontrols to the most sophisticated systems used to manage entire buildings and campuses.

Whether your design goals prioritize energy savings, user comfort, flexibility, future reconfigurability or simple code compliance, our highly-experienced sales engineers are ready to connect you to the right solution.

For the most demanding projects, our project management team is ready to help with any facet of the job—from design to construction to aftermarket support.

That’s the Acuity promise: control with confidence.

**Sensor Switch**
- Occupancy sensors and power packs
- Self-calibrating daylighting controls
- Roadway and outdoor photocontrols
- Stand-alone programmable relay panels

**Lighting Control & Design**
- Centralized control systems
- Distributed dimming and switching, including XPoint fixture-level control
- Graphic control software
- Remote lifetime programming support

**Synergy** Lighting Controls
- Architectural dimming systems
- Native BACnet® controls supporting dimming and switching
- Simple integration with DALI-based control systems
- Wallbox dimmers and scene controls

**SIMPLY5®**
- Intelligent fluorescent dimming ballasts and LED drivers
- Full suite of accessories including manual controls, photosensors and occupancy sensors
- Optional RELOC® modular wiring to simplify and accelerate installation

**ROAM®**
- Wireless photocontrol and dimming for roadway and outdoor lighting
- Remote monitoring, control and diagnostics

**nLight®**
- Controls architecture for intelligently combining occupancy-based, time-based, daylight-based and manual lighting controls—dimming and switching
- Web-based SensorView™ management software
Showcasing daylight harvesting capabilities from Acuity Brands Controls products, the Santa Monica Public Library received a LEED Gold Rating from the US Green Building Council.
Controls Selection Guide

Acuity Brands Controls offers three major types of controls. Select the products that match your requirements.

Component-Based Lighting Controls

Component controls can provide significant energy savings and require little or no programming. Usually available as a stocking item, component-based controls are field configured.

- Competitive pricing
- Simple installation
- Limited or no commissioning
- Extremely fast payback

Occupancy sensors, pg. 6.
Daylighting sensors (dimming and/or switching), pg. 10.
Power/relay packs for sensors, pg. 9.

Photocontrols for roadway, off roadway and site lighting, pg. 12.
SwitchPak® programmable relay panel, pg. 13.
Fluorescent wall dimmers, boosters and scene controls, pg. 25.
System-Based Lighting Controls

System controls offer a higher level of functionality than component controls. Multiple devices can be configured to work together to maximize energy savings, simplify user requirements and provide site-specific solutions. The function of switches, sensors and other devices are configurable through programming. This allows the system to meet changing space and occupant needs.

- Extremely flexible
- Increased energy savings
- More user-friendly
- Building-wide controls simplify maintenance

Centralized Systems
Also called panel-based systems, centralized systems include relay panels, dimming panels, hybrid (combined switching and dimming) panels, smart breaker panels and associated accessories. Ideal for controlling large areas (site, retail, warehouse) or applications where “high voltage” controls are located centrally for maintenance or security.

Distributed Systems
Distributed systems bring intelligence to the space being controlled. This can shorten wiring runs while offering a new level of energy savings and occupant satisfaction. It also allows multiple controls to more seamlessly work together on a room-by-room basis.
Sensor Switch

Industry-leading technology in occupancy sensor and daylighting controls.

For over 20 years, Sensor Switch has been a respected leader in the lighting control industry. Our occupancy sensors and photocell products utilize the most advanced technology in the industry, while still being simple to install and easy to use.

**Better Performance Through Advanced Detection Technology**
- Patented PIR/Microphonics™ dual technology detects occupant’s motions and/or the sounds they make. This provides better detection than sensors using two separate technologies that only detect occupant motion.
- Superior passive infrared (PIR) performance allows for more energy-saving settings (e.g., 10 min. vs. 15 min. time delay) to be utilized without fear of false offs.
- Immune from conditions that typically cause false ons, such as a person walking by an office space or non-occupant motion within a space.

**Unmatched Ease of Installation and Use**
- Reversible line and load connections—impossible to wire backwards.
- All digital push-button programming—no analog dials/pots/dip switches or tools required to change settings.
- No sensitivity adjustments required—install and forget.
- Self-calibrating photocells—save time and eliminate callbacks.

**Additional Product Family Capabilities**
- Advanced photocell and full range dimming options.
- Low-temperature/high-humidity resistance.
- Integrated bi-level switching.
Application Experience
Sensor Switch products have been installed in virtually every place where people work, learn and play. Our experience and wide breadth of sensor and photocell products ensure we can provide a reliable solution for any application or building type.

- Private offices
- Open offices
- Restrooms
- Hallways
- Classrooms
- Warehouses
- Lobbies

Call Now: 1-800-727-7483
For more information, refer to the Sensor Switch resources: www.acuitybrandscontrols.com/ssi
Sensor Switch catalog
### Standard / Extended 360° Sensors

<table>
<thead>
<tr>
<th>Mount Type</th>
<th>Standard Range</th>
<th>Extended Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling Mount</td>
<td><img src="image1" alt="Standard Range 360° Lens" /></td>
<td><img src="image2" alt="Extended Range 360° Lens" /></td>
</tr>
<tr>
<td>Fixture Mount</td>
<td><img src="image1" alt="Standard Range 360° Lens" /></td>
<td><img src="image2" alt="Extended Range 360° Lens" /></td>
</tr>
<tr>
<td>Recessed Mount</td>
<td><img src="image1" alt="Standard Range 360° Lens" /></td>
<td><img src="image2" alt="Extended Range 360° Lens" /></td>
</tr>
</tbody>
</table>

**Standard Range Application**
- Best choice for small motion (e.g. hand movements) detection from ceiling
- Private offices
- Open office areas

**Extended Range Application**
- Best choice for large motion (e.g. walking) detection from ceiling
- Corridors
- Rooms with low-ceiling heights

**Features & Options**
- Ceiling mount, recessed mount and fixture mount
- Low voltage or line voltage (single or 2-pole)
- PIR or dual technology (PIR/Microphonics) detection
- Dimming and/or photocell (single or dual zone)
- Auxiliary low-voltage relays
- Low-temperature/high-humidity resistance

[www.acuitybrandscontrols.com/ssi-cm](http://www.acuitybrandscontrols.com/ssi-cm)
[www.acuitybrandscontrols.com/ssi-cmextend](http://www.acuitybrandscontrols.com/ssi-cmextend)
## Decorator Wall Switch Sensors

<table>
<thead>
<tr>
<th>White</th>
<th>Almond</th>
<th>Ivory</th>
<th>Gray</th>
</tr>
</thead>
</table>

### Application
- Easiest solution for retrofitting existing rooms
- Replaces existing toggle switch
- Ideal for private offices

### Options
- Line-/low-voltage, PIR/dual technology, single/2-pole, photocell, vandal-resistant lens, low-temperature resistant, high-humidity resistant

### Features
- Small motion detection up to 20 ft. (6.10 m)
- Adjustable time delay
- Multiple operating modes
- Push-button programmable
- No minimum load
- Reversible wiring on line-voltage units

### Power Packs and Slave Packs

### Application
- Powers low-voltage sensors
- Switches line-voltage loads

### Features & Options
- Relay contact protection ensures long life
- Plenum rated
- Single or 2-pole
- Mini packs also available

---

www.acuitybrandscontrols.com/ssi-dws
www.acuitybrandscontrols.com/ssi-pp

---

Call Now: 1-800-727-7483

For more information, refer to the Sensor Switch resources:
www.acuitybrandscontrols.com/ssi
Sensor Switch catalog
Wide View / Hallway Sensors

Wide View Application
- Small motion detection up to 40 ft. (12.19 m)
- Large motion detection up to 70 ft. (21.34 m)
- Ideal for classrooms

Hallway Application
- Large motion detection up to 130 ft. (39.62 m)
- Enclosure enables mounting between 8 to 10 ft. (2.44 to 3.05 m)
- Applied in pairs

Features & Options
- Corner and wall mount or ceiling mountable with bracket (WV BR)
- Low voltage or line voltage (single or 2-pole)
- PIR or dual technology (PIR/Microphonics) detection (wide view only)
- Photocell, auxiliary low-voltage relay; low-temperature/high-humidity resistance

Daylighting Control Sensors

Ceiling Mount
- Automatic on/off switching
- Automatic dimming control
- Combination on/off and dimming control

Fixture Mount
- Functions stand-alone or with occupancy sensors
- Push-button programmable
- Low voltage or line voltage
- 0-10 VDC dimming with adjustable max./min. levels
  - Auto set-point calibration
  - Fully digital control
  - Single zone or dual zone

Recessed Mount
- Functions stand-alone or with occupancy sensors
- Push-button programmable
- Low voltage or line voltage
- 0-10 VDC dimming with adjustable max./min. levels

www.acuitybrandscontrols.com/ssi-wvhs
www.acuitybrandscontrols.com/ssi-dlt
High Bay Sensors

Application
- Several coverage patterns (360°, aisleway, end-of-aisle)
- On/off control of T5/T8 fluorescent lighting
- HID bi-level fixture control with start-to-high option
- Ideal for factories, warehouses and gymnasiums

Features & Options
- Ceiling mount, recessed mount and fixture mount
- Low voltage or line voltage (single or 2-pole)
- 120/277 VAC, 347 VAC, 208/240 VAC, 480 VAC
- Occupancy-controlled high/low dimming
- On/off photocell
- Low-temperature/high-humidity resistance

www.acuitybrandscontrols.com/ssi-hbay

Call Now: 1-800-727-7483
For more information, refer to the Sensor Switch resources:
www.acuitybrandscontrols.com/ssi
Sensor Switch catalog
DTL photocontrols offer the absolute highest quality at an extremely competitive price.

- **Energy savings.** Extremely responsive to daylight levels, commonly saving an additional $10-15 per sensor per year compared to our competitors. Our Part Night sensors can save over $50 per year by switching lights off in the middle of the night when they are not needed (site or off-roadway only).
- **Rugged.** Lowest return rate in the industry with an average life of 7-10 years.

- **Extend the life of your lights.** Our products can increase ballast and lamp life by limiting voltage spikes, preventing cycling and eliminating day burners.
- **The right sensor for your next project.** We offer a large line of sensors; many are factory adjustable to meet a variety of customer requirements.
- **Multiple voltages:** 120/240/277/480/347, UL and CSA Listed

---

**Swivel**

- Commercial buildings
- Wall-Paks

**Button**

- For decorative fixtures

www.acuitybrandscontrols.com/ssi-dtl3

---

**Solid State (for LED fixtures)**

- Advanced surge protection and fail-off to prevent day burning
- Perfect for LED fixtures

www.acuitybrandscontrols.com/ssi-dtl1

---

**Part Night**

- Turns fixtures off halfway through night to save energy

www.acuitybrandscontrols.com/ssi-dtl4

---

**Locking Type**

- Roadway
- Infrastructure
- Commercial

www.acuitybrandscontrols.com/ssi-dtl2

---

**Diagnostic for High Pressure Sodium**

- Detects and disables HPS lamps by failing-on to prevent damage

www.acuitybrandscontrols.com/ssi-dtl5
SwitchPak Lighting Control Panel

Think Building your Contactor Panel is Less Expensive? Think Again.

This relay panel does it all: 8 relays, 8 (contact closure) switch inputs, 8-channel, 365-day/astro time clock — all at a very competitive price.

- No “network” set up is needed — each panel has its own time clock
- Intuitive time clock programming
- Manual control (override) of each relay right from the panel
- Ideal for energy code compliance — schedule on/off times and use the inputs for up to 8 (after-hours) override switches
- Title 24 certified and complies with all local and national energy codes

SwitchPak is shipped preassembled from our factory and is available as a stocking item from many local distributors.

Any low-voltage override switch is acceptable. Or use any of the Synergy contact closure switches (pg. 24).

www.acuitybrandscontrols.com/ssi-spak

Application Features

- Ideal for energy code compliance (and energy savings) for any of these small footprint applications:
  - Retail stores
  - Parking lots
  - Small commercial spaces

Features & Options

- NEMA 1 hinged-locking enclosure
- Eight single-pole 20A lighting relays
- Optional: 2-pole 30A lighting relays
- UL/CUL Listed
- Manual override of relays
- Easier to program than a time clock

Call Now: 1-800-727-7483

For more information, refer to the Sensor Switch resources:
www.acuitybrandscontrols.com/ssi
Sensor Switch catalog
Lighting Control & Design

Scalable switching and dimming controls. Completely engineered solutions.

No more complex choices about which “level” of system to use—the GR 2400 system accommodates any size project—one integrated system.

Cat. 5 patch cable with RJ45 connectors link up to 127 devices including low-voltage switches, photocells and other accessories in any order. This feature, plus the factory programming, cuts installation time.

www.acuitybrandscontrols.com/lcd-gr2400sys
Lighting Control Systems

All panels may be configured as DTC (master) or remote and may be linked to other panels with Cat. 5. Free lifetime remote programming with factory installed modem practically eliminate contractor call-backs. Panels arrive network-ready. UL 916 and CUL Listed. All panels are available as DMX 512 panels, may control mixed voltages and have a dual-voltage power supply (120/277V or 347V).

**Blue Box LT Relay Panel**

Known as the “contractor panel,” this cost-effective digital upgrade for lighting contactors and time-clocks. Eliminate expensive line-voltage cabling for override switches and photocells.

**Unique Features:**
- 14 optional contact closure inputs
- Digital photocell input
- Manual override panel

**Three Enclosure Sizes:**
- LT-4: 2 or 4 relays
- LT-8: 4 or 8 relays
- LT-16: 8 or 16 relays

**GR 2400 Relay Panel**

The GR 2400 Relay Panel is our most popular panel with its compact footprint and easy programming features.

**Unique Features:**
- Manual override of individual relays or entire panel
- Optional pre-wired integration with surge suppressors or to our SilverBullet sub-branch circuit current limiters

**Two Enclosure Sizes:**
- Up to 32 relays
- Up to 48 relays

**SmartBreaker Smart Breaker Panel**

The SmartBreaker Panel uses solenoid-operated thermal-magnetic breakers. Combine over-current protection and lighting control in a single package.

**Unique Features:**
- 65,000 AIC @ 120VAC
- 14,000 AIC @ 277VAC
- Up to 42 controllable breakers
- 1-, 2- & 3-pole breakers
- Up to 480V
- Up to 100k AIC (series rating)
- Main breakers or MLO

www.acuitybrandscontrols.com/lcd-panels
Distributed Controls

The MicroPanel allows the successful integration of manual control, occupancy sensors and daylight harvesting in a multi-level lighting environment such as an office, classroom or even aisle lighting in a daylit warehouse.

**Features:**
- Programmable inputs for 4 or 8 contact closure inputs for occupancy sensors or contact closure wall switches
- 4 or 8 analog inputs for photocells or slider dimmers
- Up to 16 scenes
- Compact size

**MicroPanel-iDH (Daylight Harvesting)**
The MicroPanel-iDH offers up to 4 or 8 relays for the ultimate in distributed switching control.

**MicroPanel-iDim**
The MicroPanel-iDim offers up to 4 or 8 (0–10V) dimming outputs to control dimming ballasts—ideal for distributed daylight dimming.

www.acuitybrandscontrols.com/lcd-panels
Fixture-Level Controls

For Retrofit or New Construction
The XPoint Relay provides all the features of a networked relay without the panel. Mount on an individual fixture, at the head of a row of fixtures, in a junction box to control a 30A circuit or anything in between—giving you precise control exactly where you need it.

Ideal for new construction or for retrofitting an existing facility, the XPoint allows for infinite reconfiguration of up to 96 lighting groups.

XPoint Router
Each XPoint Router may have up to two ports. Each port may have up to 128 modules (two-relay modules gives you 256 relays per port) configured into as many as 48 zones per port.

Available in Three Configurations:
- XP1: One 30A relay
- XP2: Bi-level control with two 30A relays
- XDim: 30A relay with 0-10V dimming output

www.acuitybrandscontrols.com/lcd-panels

Call Now: 1-800-345-4448
For more information, refer to the Lighting Control & Design resources:
www.acuitybrandscontrols.com/lcd
Lighting Control & Design product catalog
SnapLink Relays

With 30A contacts @ 277VAC and a Short Circuit Current Rating of 18,000 amps @ 277V, the SnapLink latching relay may be the most rugged lighting relay available. Upon loss of normal power, the normally-closed latching contacts automatically close, ideal for control of emergency loads.

Rated 250,000 cycles at full load.

N/C Contact Ratings:
30A @ 277V ballast, HID
20A @ 347V ballast and 120V Tungsten

Optional Relay Configurations:
- Normally-open latching
- Double pole, NO or NC (600V)
- Double throw 20A @ 277V

www.acuitybrandscontrols.com/lcd-snaplink

Link-To Cards

Link-To Building Automation
Johnson®, Metasys®, BACnet®, Trane® Tracer Summit and Modbus

Link-To PC/Ethernet
Intranet or internet link from computer to lighting controls. Standard comm port (RS-232) to GR 2400 network. Optional USB input.

MetaServer and UpLink
Link up to 255 digital buses. Digital web server provides internet/computer access. Run-time and event-loggin stored in flash memory.

Other Link-To Cards
Link-To Analog, Digital or DMX 512. DigiLink interface offers 14 dry contact closure inputs for conversion to system-wide commands. T-Link is a 100% digital interface to intelligent thermostats, with remote controllability of up to 32 units per interface.

www.acuitybrandscontrols.com/lcd-link2

Accessories

<table>
<thead>
<tr>
<th>Occupancy Sensor</th>
<th>Rocker DigitalSwitch</th>
<th>Outdoor Photosensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Passive infrared • Microphonics upgrade • Adjustable time delay • Global load control</td>
<td>• 100% digital • Traditional look • Switching, dimming, scenes</td>
<td>• 100% digital • 14 trigger points • Global control for multiple zones</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chelsea DigitalSwitch</th>
<th>KnightsBridge DigitalSwitch</th>
<th>SlimLine Photosensor</th>
<th>Key DigitalSwitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 100% digital • 1-6 engraved buttons • Pilot and locator lights • Switching, dimming, scenes • Remote enable/disable</td>
<td>• 100% digital • 1-6 buttons • Pilot and locator lights • Switching, dimming, scenes</td>
<td>• 100% digital • 0.310” diameter footprint • Ideal for direct mount to fixtures</td>
<td>• 100% digital • 1 engraved key input • Pilot light • Captive or non-captive key</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wireless Switch and Photosensor</th>
<th>SwitchBolt DigitalSwitch</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• 100% digital • Flush or wall mount • EnOcean-enabled</td>
<td>• 100% digital • Wet-resistant • Vandal-resistant • Optional pilot light</td>
<td></td>
</tr>
</tbody>
</table>

www.acuitybrandscontrols.com/lcd-link2
Unity Software

Unity 2.0 Lighting Control Software
Unity Lighting Control Software bundles design (specification), programming and management of a lighting control system into a single software package. It’s free and requires no formal training.

Unity uses a powerful design engine to quickly lay out complete lighting control systems using easy point-and-click features.

- Set up relay panels, switches, photocells, time schedules—any aspect of a system
- Output your design to AutoCAD®, including job-specific single-line drawings, panel and switch schedules and specs

Program and Manage
- Real-time status and control of relays and switches
- Program/adjust lighting controls, including clock schedules and switch functions
- Remotely adjust photosensor trip points
- Run diagnostics for troubleshooting

www.acuitybrandscontrols.com/lcd-unity

Unity GX Advanced Graphical Control
While Unity comes with a graphical management package, Unity GX takes graphical control of lighting controls to the next level.

- Easily import graphics (CAD files, photos, etc.) and quickly map them out for real-time status and control of any zone
- Pan and zoom for control of larger footprint applications
- Advanced time scheduling and seamless integration to Unity
- Settings may be saved to disk and uploaded at any time in the future
- Use DataLogger to optimize and schedule lamp changes

www.acuitybrandscontrols.com/lcd-gx

Call Now: 1-800-345-4448
For more information, refer to the Lighting Control & Design resources: www.acuitybrandscontrols.com/lcd
Lighting Control & Design product catalog
Synergy

Highly configurable controls and architectural dimming for applications small to large.

Wall dimmers, scene controllers. All BACnet® native.

MLX: network system controller

MLS: Stand-alone system controller

www.acuitybrandscontrols.com/synergy-mlx

www.acuitybrandscontrols.com/synergy-mls
Up to 60 zones per MLX Controller (see Synergy Catalog for more detailed specs).

SYRS EXT DS Control Stations

Top Diagram

- Stand-alone and network ready
- Bi-level switching
- 2 photosensor inputs
- 2 occupancy sensor inputs
- 2 relay outputs to control dual relay power pack

Bottom Diagram

- Stand-alone and network ready
- Full range (0-10 volt) dimming
- 1 photosensor inputs
- 1 occupancy sensor inputs
- 1 relay output to control power pack

Notes:

1. Self-calibrating daylighting sensor.
2. Power pack by Sensor Switch available in several configurations:
   - Single relay
   - Dual relay (bi-level)
3. PDT (passive dual technology) wide-view occupancy sensors by Sensor Switch.
   This provides better detection than sensors using two separate technologies that detect only motion.

Call Now: 1-800-533-2719

For more information, refer to the Synergy resources:
www.acuitybrandscontrols.com/synergy
Synergy Lighting Controls catalog
System Design

Synergy (MLX) systems can mix both centralized (panels) and distributed (SYRS EXT) controls into a single system.

Centralized Panels

1. Select Your Controller

Provides user interface, display, clock and programmable logic for a Synergy lighting control system and a means to set up lighting control functions, including manual switching, manual and preset dimming, schedules, astronomic time control, photosensor, switching and daylighting harvesting.

MLS = Stand-alone system controller
MLX = Network system controller

2. Select Your Power Module  (or select breaker panel and skip this step)

Relay Module — NEW!
8 single-pole relays with zero-cross switching, plus 8 switch and 2 analog input terminals.

Relays with Breakers
Comes with either 6 120V or 4 277V branch circuit breakers.

Tap Feed Lug Option and Multi-Pole Relays
Allows enclosures to share a single main feed up to 400A, 3-phase. Multi-pole relays include up to 4 30A contactors with 2-, 3- or 4-poles each.

Constant Breaker Module
Up to 4 or 6 circuit breakers per module with a main input power lug and sub-feed power lug per module.

Dimmer Module
6 universal load digital dimmers suitable for 120V/277V incandescent, fluorescent, low voltage, neon, cold cathode and non-dim loads.

DALI Control Module
Network controllers and power supplies for 3 DALI networks.
3. Select Your Enclosure or Controllable Breaker Panel

Synergy lighting control panels come in 120/277V feed.

<table>
<thead>
<tr>
<th>Size</th>
<th>Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>Up to 2</td>
</tr>
<tr>
<td>Medium</td>
<td>Up to 4</td>
</tr>
<tr>
<td>Large</td>
<td>Up to 6</td>
</tr>
</tbody>
</table>

Controllable Breaker Panel + Enclosure

<table>
<thead>
<tr>
<th>Size</th>
<th>Breakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>Up to 12</td>
</tr>
<tr>
<td>Medium</td>
<td>Up to 24</td>
</tr>
<tr>
<td>Large</td>
<td>Up to 42</td>
</tr>
</tbody>
</table>

4. Select Your Accessories

Accessories

Whether it be contact closures, occupancy sensors (by Sensor Switch), switches, wall stations, preset control stations or a host of additional devices, the last step is to choose the accessories for your system (pg. 24).

SYRS - Distributed Controls

1. Select Dimming or Bi-level Switching

Wallstation Distribution Controllers

- Controls can be stand-alone or up to 60 per MLX bus
- SYRS-EXT for dimming (3-button)
- SYRS-EXT DS for bi-level switching (4-button)

2. Select Power Packs

Power Pack

- Select single-pole or double-pole power packs (pg. 9).

3. Select Automatic Controls

Automatic Controls

- SYRS supports both occupancy sensors and daylighting sensors

Call Now: 1-800-533-2719

For more information, refer to the Synergy resources:
www.acuitybrandscontrols.com/synergy
Synergy Lighting Controls catalog
## Accessories

<table>
<thead>
<tr>
<th>LVPS: Low-Voltage Override Switch</th>
<th>LVKS: Low-Voltage Key Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provides durable and attractive solution to override lights controlled by Synergy lighting controls systems. This decorator-style switch uses standard decorator wallplates for single or multi-gang applications. A pilot light is provided for both switches so it can be used as a single switch for on or off.</td>
<td>Provides a reliable, durable and secure means to override lighting. Switches are supplied with pigtail connectors for low-voltage wire connections. Use with Synergy or SwitchPak lighting control panels.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SYRS EXT: Wallstation Distributed Controller</th>
<th>SYRS: Digital Remote Wallstation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ideal for applications which require manual and automatic control of fluorescent or HID lighting equipped with compatible 4-wire (0-10V) electronic dimming ballasts. Microprocessor provides local on/off, manual dimming, auto-daylight harvesting dimming and stand-alone/networked operation.</td>
<td>Provides a convenient means to add push-button controls for on/off, preset, raise/lower, partition control or other user interface to a Synergy lighting control system. IR option adds an infrared receiver for use with the SYWR wireless remote transmitters.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSPL: SweepSwitch</th>
<th>LVDS: Low-Voltage Decora Paddle Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provides individual local line-voltage override control of lighting in time-based control schemes. Can be used manually to turn lighting on and off in the normal manner. Resets itself automatically to the off position in response to a programmed power interruption signal provided by the lighting control panel.</td>
<td>The LVDS momentary switches and the DSA wallplates (belonging together) provide a durable low-voltage switch solution with a standard strap-mount form factor and designer styling. DSA wallplates are offered in a variety of sizes and finishes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SYWR: Infrared Wireless Transmitter</th>
<th>SYA: 2-, 3- and 4-Pole Multi-Pole Contactor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used for wireless remote control of lighting functions in a Synergy system. Operates with optional infrared receiver on the SYRS digital remote wallstation. The 17-button hand-held programmer version is useful for preset dimming control.</td>
<td>Synergy 2-, 3- and 4-pole lighting contactors install in a Synergy enclosure via the accessory mounting plate and provide integral control of multi-phase lighting loads.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SQCS: Preset Control Station</th>
<th>DEQ LC/DEQ LCDS: Remote Mount Distributed Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual dimming and preset lighting control for architectural dimming applications. Can daisy-chain together with SYRS Wallstations and distributed controllers for multi-location control.</td>
<td>Integrates a localized zone of fluorescent lighting equipped with compatible 4-wire electronic dimming ballasts into a Synergy system. Provides on/off, dimming and automated daylight dimming control for a single lighting zone.</td>
</tr>
</tbody>
</table>

Visit: [www.acuitybrandscontrols.com/synergy-search](http://www.acuitybrandscontrols.com/synergy-search) and type in the product code (bold text above).
Architectural Dimming (for 1-8 Circuits/Zones)

SQMPDC cabinet dims up to 4 circuits per cabinet.

SQ IDC dims 4 circuits. Controls up to 8 circuits and supports up to 3 remote push-button accessory stations.

RDM power extender

Preset control

Remote station

Dimmer pack

www.acuitybrandscontrols.com/synergy-dpack

Wallbox Dimmer

For large capacity loads use a remote dimming module. RDMs can dim loads with larger capacities than the ISD dimmer.

RDM power extender (optional)

ISD Wallbox dimmer

DSD Wallbox dimmer

Wallbox controls load directly.

www.acuitybrandscontrols.com/synergy-dimmers
SIMPLY5

Intelligent ballasts, local dimming, daylight harvesting, occupancy sensors — no commissioning. It’s that simple.

**SIMPLY5 System**

The SIMPLY5 open topology allows switches and sensors to snap together at the closest junction. SIMPLY5 intelligent ballasts are embedded in each luminaire. Optional RELOC modular wiring reduces installation time and eliminates wiring errors.

**Traditional System**

Traditional systems require significant line- and low-voltage cabling, on-site commissioning and extensive programming.

*SIMPLY5 lighting intelligence technology is enabled in the following brands and products:*
Maximize energy savings, simplify installation and increase occupant satisfaction.

<table>
<thead>
<tr>
<th>Simple Digital Wall Controls</th>
<th>Intelligent Junction Box (IJB)</th>
</tr>
</thead>
</table>
| • Continuous dimming with 7 preset user levels from 100-3%  
• Low-voltage device  
• Class 1 or 2 wiring  
• Architectural finish | • Routes power for room  
• No programming required  
• Controls up to 100 SIMPLY5 ballasts, wall stations and sensor connectors |

www.acuitybrandscontrols.com/s5-wc  
www.acuitybrandscontrols.com/s5-ijb

<table>
<thead>
<tr>
<th>Sensor Connector</th>
<th>Intelligent Ballasts</th>
</tr>
</thead>
</table>
| • Used to connect a low-voltage photosensor and/or occupancy sensor  
• Includes “Tee Connector” for ease of installation | • Low power density easily achieved  
• Continuous dimming for daylight harvesting control and load shedding  
• Contractor-friendly design |

www.acuitybrandscontrols.com/s5-sc  
www.acuitybrandscontrols.com/s5-blst

<table>
<thead>
<tr>
<th>Light Energy Manager</th>
<th>Optional RELOC Wiring</th>
</tr>
</thead>
</table>
| • Network time clock  
• Link hundreds of rooms  
• Interface with BAS | • Reduces overall labor cost: switches, sensors and fixtures quickly snap together  
• Includes all power and control wiring in a single cable |

www.acuitybrandscontrols.com/s5-lem  
www.acuitybrandscontrols.com/s5-reloc

**Occupancy and Daylighting Sensors:**

Select any of the low-voltage occupancy sensors from Sensor Switch. Daylight harvesting control sensors for SIMPLY5 are available for self-calibrating full-range dimming control.

**Call Now: 1-888-888-0002**

For more information, refer to the SIMPLY5 resources:

www.acuitybrandscontrols.com/simply5  
SIMPLY5 Lighting Intelligence catalog
ROAM

Wireless control and monitoring for outdoor fixtures.

ROAM (Remote Operations Asset Management) is a patented and award-winning system that enables lighting system owners and operators to remotely monitor, control and measure performance of fixtures wirelessly, while maximizing energy and operational cost savings.

ROAM features individual fixture and group control, continuous dimming and automated scheduling for special events. Continuous monitoring capabilities notify owners and operators of fixture malfunctions and other conditions that will lead to premature fixture failure such as:

- Lamp, ballast or driver malfunction
- Burning during the day
- Lamp cycling
- Low wattage/excessive power

In addition ROAM is a comprehensive asset management system, providing an audit of fixture locations and attributes. ROAM also includes a work order management module to facilitate more efficient repairs.

ROAM-enabled lighting systems typically:

- Reduce fixture outages by 90% or more
- Reduce operational and maintenance costs by up to 60%
- Eliminate 100% of visual patrols
- Save thousands of dollars in energy costs each year with flexible, customer-specified continuous dimming levels
Communicating Photocell
- Compatible with any NEMA locking-type photosensor
- Self-registering, self-healing mesh network
- Patented diagnostics

ROAM Gateway
- Manages up to 5,000 nodes
- Flexible, wireless communication to the network operations center, supporting the ROAM web portal

Secure ROAM Web Portal
- Passcode-protected access to system information
- Collection of historical performance data to measure equipment and service performance
- Ability to schedule and control lights

For more information on ROAM products visit: www.acuitybrandscontrols.com/roam

Call Now: 1-800-442-6745
For more information, refer to the ROAM resources: www.acuitybrandscontrols.com/roam
ROAM product catalog
nLight
Networked controls: Infinite possibilities.

Efficiency. Simplicity. Flexibility. Economy.
nLight is a revolutionary approach to lighting control that turns sensors and manual controls into a digital network of intelligent control devices, expanding options while reducing cost.

By incorporating all controls into a single layer using an elegant wiring solution, centralized equipment is often eliminated and installation is simplified.

- Rooms can self-commission and operate stand-alone or can be linked together and in both cases offer a high degree of programmable flexibility
- Occupancy sensing, scheduling, daylight harvesting, manual dimming and switching controls can be easily integrated into a single network of interoperable control devices, maximizing energy savings
- After installation, SensorView™ (web-based management software) enables remote system configuration from scheduling to individual device settings, while reporting real-time information that can be used for energy analysis and maintenance

From a single room to global control of entire buildings, nLight offers the right level of lighting control at an optimal level of flexibility, simplicity and economy.
Example Control Profiles

Profiles modify the operational modes and/or device settings according to a schedule in order to optimize occupant convenience or energy usage.

**Lobby Profile**
- Auto-on with first occupant
- Permanent on (no offs due to vacancy) during working hours
- Reduces lighting levels during peak daylight
- Return to occupancy-based sensing during any non-working hours

**Private Office Profile**
- Ceiling mount occupant sensors with manual on/auto off
- Custom time delays based on occupant requirements
- User-selected dim levels via “WallPods”
- Includes lumen maintenance and daylight dimming with photosensor

**Open Office Profile**
- Manual-on with first occupant
- Permanent on status during working hours
- Occupant control after hours (or lunch hour)
- Shortened time-delays during late-night guard walk-through of facility

**Restroom Profile**
- 2-Pole sensor controls light and fan separately: lights-off after vacancy, fan runs for extended time
- Maximize lamp life: minimum time settings, save more energy than simply increasing delay time
- PDT sensors “see” and “hear” into stalls and prevent false offs

**Classroom Profile**
- Inboard/outboard switching or dimming
- Simple and intuitive scene control: presentation mode and teacher override of automatic settings (programmable)
- Self-calibrating daylight harvesting, with manual override—daylight harvesting can be automatically disabled at dusk

Call Now: 1-800-727-7483
For more information, refer to the nLight resources:
www.acuitybrandscontrols.com/nLight
nLight design guide and catalog
Product Line Overview

WallPods®
- Single-gang, decorator-style wall stations that provide manual control
- On/off, on/off/dim or scene control
- Available with/without line-voltage switching relay and/or 0-10 VDC dimming output
- Buttonless touch controls

www.acuitybrandscontrols.com/nlt-wpod

Sensors
- Full line of occupancy sensors and photosensors
- Low voltage or line voltage
- PIR or dual technology PIR/Microphonics
- Remotely controllable and upgradeable
- Integrated RJ45 ports

www.acuitybrandscontrols.com/nlt-sensors

Power Pack
- Switches line-voltage loads
- Powers nLight devices via Cat. 5 bus
- 120/277 VAC standard, 208/480 VAC and dimming, slave pack versions available
- Integrated RJ45 ports, status LED and programming push-button
- Available with 2-pole or 0-10V dimming

www.acuitybrandscontrols.com/nlt-pp

Bridge
- Routes information between lighting zones and system Gateway
- Redistributes power between zones
- Optional ZigBee® wireless capability
- 4 or 8 port (RJ45) device mounts to 4” x 4” junction box
- Supports up to 128 devices per port

www.acuitybrandscontrols.com/nlt-brg
SensorView Software

- Provides global control of lighting system
- Shows detailed screens with real-time lighting and occupancy status
- Creates scheduled lighting control profiles
- Compiles event logs, device inventory and lighting run-time reports
- Enables remote programming for every individual sensor

www.acuitybrandscontrols.com/nlt-ssv

Gateway

- Stores lighting control profiles and contains system time clock
- Provides local control point and Ethernet network access point
- Stylish, low-voltage, two-gang device
- Backlit LCD screen with buttonless touch controls
- Optional ZigBee® wireless capability

www.acuitybrandscontrols.com/nlt-gtw
Room Applications

For more diagrams, download the nLight design guide and catalog:
www.acuitybrandscontrols.com/nlt-catalog

Wiring Key

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. 5</td>
<td>(2) Line Voltage (Class 1)</td>
<td>(2) Low Voltage (Class 2)</td>
</tr>
</tbody>
</table>
For more diagrams, download the nLight design guide and catalog:
www.acuitybrandscontrols.com/nlt-catalog

**Wiring Key**

- **A**: Cat. 5
- **B**: (2) Line Voltage (Class 1)
- **C**: (2) Low Voltage (Class 2)
- **Z**: ZigBee® Wireless
nLight: The Future

nLight-enabled relay panels and dimming controls. One platform: Infinite possibilities.

The fusion of LC&D, Synergy, Sensor Switch and ROAM, under the Acuity Brands Controls umbrella, enables the most innovative minds in lighting control to come together.

Similarly, the individual products of these companies will fuse together via a single core technology—nLight.

These nLight-enabled devices will then combine to create lighting control systems with infinite control, energy savings, convenience and lighting quality possibilities.

The possibilities really are infinite. And, best of all—you have one group—Acuity Brands Controls that support all of it. You need it? We will make it happen.

nLight software allows for sophisticated control options.
Call Now: 1-800-727-7483
For more information, refer to the nLight resources:
www.acuitybrandscontrols.com/nlt-datasheet
nLight design guide and catalog
Service and Support

From design and engineering help to lifetime programming, Acuity Brands Controls backs every solution with the industry’s leading services and support.

Offering the industry’s best lighting control solutions is not enough. Acuity Brands Controls brings together more than 200 dedicated sales and service professionals in 3 locations throughout the United States to also offer our customers the best sales and technical support.

Acuity Brands Controls’ Engineering Assistance Group provides design assistance for new construction, renovation and retrofit projects. From general consultation to supplying detailed specifications and drawings, we work directly with specifiers and owners to identify and develop ideal solutions based on unique application needs. We then ensure our solutions are properly shipped and working at the job site.

Select projects may also qualify for advanced construction management services, including on-site training, job-walks and coordination of trades.

A successful lighting control solution in every project: That’s our promise and only Acuity Brands Controls can keep it.
Acuity Brands Controls is ready to help with specifications, quotations, submittals, technical support and, if needed, project management. We also offer a complete retrofit sales and support package, including energy audits and proposals.