CX LIGHTING CONTROL SYSTEMS

COMMERCIAL LIGHTING CONTROL PANELS, RELAY AND SWITCHES

- LCD user interface with keypad
- Astronomical and real time clock
- Programmable dry contact inputs (dependent on panel size)
- Selectable pre-programmed scenarios
- Programmable switches for a variety of button functions

<table>
<thead>
<tr>
<th>Part #</th>
<th>Catalog #</th>
<th>UPC</th>
<th>Relay</th>
<th># of Relays</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panels</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CX082S083LM</td>
<td>CX082S083LM</td>
<td>640181200631</td>
<td>8</td>
<td>1–Pole Latching</td>
<td>120/277VAC •</td>
</tr>
<tr>
<td>CX162S163LM</td>
<td>CX162S163LM</td>
<td>640181200938</td>
<td>16</td>
<td>1–Pole Latching</td>
<td>120/277VAC •</td>
</tr>
<tr>
<td>CX242S243LM</td>
<td>CX242S243LM</td>
<td>640181201058</td>
<td>24</td>
<td>1–Pole Latching</td>
<td>120/277VAC •</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Part #</th>
<th>Catalog #</th>
<th>UPC</th>
<th>SCOR-Rating</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>Emergency Relay</td>
<td>CX21LM</td>
<td>64090739330</td>
<td>Latching</td>
<td>120/277/415VAC •</td>
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<table>
<thead>
<tr>
<th>Part #</th>
<th>Catalog #</th>
<th>UPC</th>
<th>Panel Dimming Option Card Capacity</th>
<th>Stock Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimming Card</td>
<td>CXDIMCONTRBD</td>
<td>64018170163</td>
<td>CX Dimming Option Card</td>
<td>CA GA IL NJ TX</td>
</tr>
<tr>
<td>Dimming Card</td>
<td>CXDIMCONTRBD</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CX08 Panel</td>
<td>17.0 in.</td>
<td>14.5 in.</td>
<td>4.0 in.</td>
<td>24.4 lbs.</td>
</tr>
<tr>
<td>CX16 Panel</td>
<td>24.0 in.</td>
<td>20.0 in.</td>
<td>4.0 in.</td>
<td>39.4 lbs.</td>
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<tr>
<td>CX24 Panel</td>
<td>24.0 in.</td>
<td>20.0 in.</td>
<td>4.0 in.</td>
<td>41.7 lbs.</td>
</tr>
<tr>
<td>Emergency Relay</td>
<td>5.5 in.</td>
<td>1.6 in.</td>
<td>1.5 in.</td>
<td>0.2 lbs.</td>
</tr>
<tr>
<td>Dimming Card</td>
<td>3.5 in.</td>
<td>3.5 in.</td>
<td>1.75 in.</td>
<td>0.5 lbs.</td>
</tr>
<tr>
<td>Switch</td>
<td>4.3 in.</td>
<td>1.1 in.</td>
<td>1.1 in.</td>
<td>0.2 lbs.</td>
</tr>
</tbody>
</table>
## LIGHTHAWK® PRODUCT SELECTION GUIDE

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIGHTHAWK® Dimming PIR</td>
<td>1.7in.</td>
<td>1.7in.</td>
<td>3.3in.</td>
<td>0.5lbs.</td>
</tr>
<tr>
<td>LIGHTHAWK® PIR</td>
<td>1.7in.</td>
<td>1.7in.</td>
<td>3.3in.</td>
<td>0.5lbs.</td>
</tr>
<tr>
<td>LIGHTHAWK® LHL PIR</td>
<td>1.7in.</td>
<td>1.7in.</td>
<td>3.3in.</td>
<td>0.5lbs.</td>
</tr>
</tbody>
</table>

### FEATURES

- **Easy to Install**: Yes
- **Features**: +
- **Sensing Technology**: PIR
- **Mounting**: Standard Switch Box
- **Coverage**: 1,000 Sq. Ft., 180° coverage area
- **Voltage**: 120/277VAC; 50/60Hz
- **Electrical Ratings**:
  - 120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver: 1,000W Magnetic Ballast; 1/6 HP Motor
  - 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor
  - 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor

### ELECTRICAL RATINGs

- **Minimum Load**: None
- **Operating Modes**: Occupancy (Auto-ON) / Vacancy (Manual-ON)
- **Time Delay**: 4, 8, 15, 30 mins
- **Photocell**: 10–500 foot-candles
- **Relay**: Single and Dual versions
- **Operating Environment**: Indoor
- **Occupancy and Daylight Harvesting**: Yes
- **Construction**: RhinoTuff vandal resistant lens
- **Color**: White, Ivory, Light Almond, Gray, Black
- **Certifications**: Title 24, cULus

### MATERIALS

- **LightHAWK® Dimming PIR**: LHDLS83–N–WH, LHDLS83–G–WH
- **LightHAWK® PIR**: LHL–IRS1–G–WH, LHL–IRS1–N–WH
- **LightHAWK® LHL PIR**: LHLS83–G–WH, LHLS83–N–WH

### PERFORMANCE

- **Coverage Pattern**: 50°, 240°, 290°, 260°, 210°, 240°, 290°, 260°, 210°
- **Stock Location**: CA, GA, IL, NJ, TX

### LIGHTHAWK® WALL SWITCH OCCUPANCY SENSOR

- Ultrasonic and Passive Infrared technologies for exceptional motion detection
- Manual–ON (Vacancy Sensor) or Automatic–ON (Occupancy Sensor) operation
- Patented IntelliDAPT® Technology
- 0–10V dimming versions available
- Built-in photo sensor for automatic daylight harvesting
- 400–5000 square-foot coverage area depending on model
- Fits standard decorator wall plate

### FEATURES

- **Self-adjusting Settings**: Yes – IntelliDAPT
- **Mounting**: Standard Switch Box
- **Coverage**: 1,000 Sq. Ft., 180° coverage area
- **Voltage**: 120/277VAC; 50/60Hz
- **Electrical Ratings**:
  - 120VAC: 800W Incandescent/ Electronic Ballast/ LED Driver: 1,000W Magnetic Ballast; 1/6 HP Motor
  - 277VAC: 1,800W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor
  - 347VAC: 1,500W Magnetic Ballast/ Electronic Ballast/ LED Driver: 1/6 HP Motor

### OPERATING MODES

- **Occupancy (Auto-ON) / Vacancy (Manual-ON)**
- **Time Delay**: 4, 8, 15, 30 mins
- **Photocell**: 10–500 foot-candles
- **Relay**: Single
- **Operating Environment**: Indoor
- **Occupancy and Daylight Harvesting**: Yes
- **Construction**: RhinoTuff vandal resistant lens
- **Color**: White, Ivory, Light Almond, Gray, Black
- **Certifications**: Title 24, cULus

### MATERIALS

- **LightHAWK® Dimming PIR**: LHDLS83–N–WH
- **LightHAWK® PIR**: LHL–IRS1–G–WH, LHL–IRS1–N–WH
- **LightHAWK® LHL PIR**: LHLS83–G–WH, LHLS83–N–WH
WASP
FIXTURE MOUNT OCCUPANCY SENSORS

- Bluetooth® programming via controlHUBB App
- ON/OFF Control & 0–10V dimming modes
- Tri-level set points
- Cloning of sensor settings
- Patented Intelliscap® technology showing real-time occupancy data
- Multiple daylight harvesting modes

**Part #** | **Catalog #** | **UPC** | **Coverage** | **Mounting** | **Voltage** | **Bluetooth®** | **Stock Location** | **Trade**
--- | --- | --- | --- | --- | --- | --- | --- | ---
WSP25KAVN | WSP25KAVN | 640180200839 | See Lens Options* | Grid Mount | 120/277/480V AC | – | – | –
WSP25KAV | WSP25KAV | 640180200419 | See Lens Options* | Surface Mount | 120/277/480V AC | – | – | –
WSP25KAVX | WSP25KAVX | 640180200457 | See Lens Options* | Surface Mount | 240V DC | – | – | –
WSP25KAV24V | WSP25KAV24V | 64018015621 | See Lens Options* | Surface Mount | 240V DC | – | – | –
WSP25KAV48V | WSP25KAV48V | 64018012576 | See Lens Options* | Grid Mount | 120–480V AC | Yes | – | –
WSP25KAV48V | WSP25KAV48V | 64018012576 | See Lens Options* | Grid Mount | 120–480V AC | Yes | – | –
WSP25KAV | WSP25KAV | 64018012576 | See Lens Options* | Grid Mount | 120–480V AC | Yes | – | –
WSP25KAVX | WSP25KAVX | 64018012576 | See Lens Options* | Grid Mount | 120–480V AC | Yes | – | –
WSPLWOSM24V | WSPLWOSM24V | 640181719621 | See Lens Options* | Surface Mount | 24V DC | – | • | –
WSPLWOSM24V | WSPLWOSM24V | 640181719621 | See Lens Options* | Surface Mount | 24V DC | – | • | –
WSPDBEMUNV | WSPDBEMUNV | 640181728579 | See Lens Options* | End Mount | 120–480V AC Yes | • | – | –
WSPDBSMUNV | WSPDBSMUNV | 640181728630 | See Lens Options* | Surface Mount | 120–480V AC Yes | • | – | –
WSPDBSM24V | WSPDBSM24V | 640181728609 | See Lens Options* | Surface Mount | 24V DC Yes | • | – | –
WSPDLWOBSM24V | WSPDLWOBSM24V | 640181729477 | See Lens Options* | Surface Mount | 24V DC Yes | • | – | –

* Lenses sold separately.

Ordering Example: WSPDBEMUNV Sensor + WSP–L360–WH Lens

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OMNI® DUAL TECHNOLOGY

CEILING SENSOR

- Ultrasonic and Passive Infrared technologies for exceptional motion detection
- Smart IntelliDAPT® Technology eliminates false triggers
- 500–2000 Sq. Ft. coverage area per sensor (depending on model)
- Optional relay and photocell control

**Part #** | **Catalog #** | **UPC** | **Technology** | **Coverage** | **Voltage** | **Stock Location** | **Trade**
--- | --- | --- | --- | --- | --- | --- | ---
OMNIDT500 | OMNIDT500 | 640181402660 | Passive Infrared & Ultrasonic | 180°, 300 Sq. Ft | 240V DC | – | •
OMNIDT500RP | OMNIDT500RP | 640181402714 | Passive Infrared & Ultrasonic | 180°, 300 Sq. Ft | 240V DC | – | •
OMNIDT1000 | OMNIDT1000 | 640181402769 | Passive Infrared & Ultrasonic | 180°, 1000 Sq. Ft | 240V DC | – | •
OMNIDT1000RP | OMNIDT1000RP | 640181402813 | Passive Infrared & Ultrasonic | 180°, 1000 Sq. Ft | 240V DC | – | •
OMNIDT1000BP1277 | OMNIDT1000BP1277 | 640181411938 | Passive Infrared & Ultrasonic | 180°, 1000 Sq. Ft | 120/277V AC | – | •

US Major Motion
US Minor Motion
OMNIDT2000 Range

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OMNI® PIR
CEILING SENSOR

- Ultrasonic and Passive Infrared technologies for exceptional motion detection
- Smart Intelligent™ Technology eliminates false triggers
- 550–2000 Sq. Ft. coverage area per sensor (depending on model)
- Optional relay and photocell control

POWER PACKS
UNIVERSAL VOLTAGE POWER PACKS

- Automatic voltage detection
- Electrical load switching capability; maximum of 20 Amps
- Regulated 24V DC current
- 150mA output short circuit protected
- Plenum rated
- Mounts inside or outside a junction box

UL924
AUTOMATIC LOAD RELAY

- Meets NEC Article 700 requirements for emergency lighting
- Dual voltage, 120 or 277V operation
- Normally open contacts for emergency lighting
- Normally closed contacts for 0–10V dimming override
- Provision for remote test button or fire alarm interface
- Multi-color function LED
- Suitable for use in return air plenums
### WALLBOX DIMMERS

#### PRESET & ROCKER SLIDE DIMMERS

- Separate ON/OFF switch that preserves the selected brightness level
- Provide single pole (one location) or 3-way two location (lighting control
- Slim, compact housing fits easily into a standard wallbox
- Suitable for multi-gang installations
- Built-in radio, TV interference filter

| Part #  | Catalog #  | UPC       | Dimming Voltage | Stock Location |
|---------|------------|-----------|-----------------|----------------|----------------|
| RSD70–L–VL | RSD70–L–VL | 640181726971 | 0–10V 1200VA @ 120V AC, 1500VA @ 277V AC | CA GA IL NJ TX |
| RSDM6–L–WL | RSDM6–L–WL | 640181726988 | 0–10V 1200VA @ 120V AC, 1500VA @ 277V AC | CA GA IL NJ TX |
| RSDM6–L–WL | RSDM6–L–WL | 640181726995 | 0–10V 1200VA @ 120V AC, 1500VA @ 277V AC | CA GA IL NJ TX |
| RSD06–L–VL | RSD06–L–VL | 640181727008 | 0–10V 600W @ 120V AC, 300W @120V AC Dimmable LED and CFL | CA GA IL NJ TX |
| PSD70–L–VL | PSD70–L–VL | 640181727015 | 0–10V 1200–1500VA @ 120/277V AC | CA GA IL NJ TX |

### LOW VOLTAGE SWITCHES

#### MOMENTARY WALL SWITCH STATIONS

- Mounts to standard single-gang box
- Version with 0–10V dimming control
- Works with all HCS Control and Auxiliary packs

<table>
<thead>
<tr>
<th>Part #</th>
<th>Catalog #</th>
<th>UPC</th>
<th>Switch Type</th>
<th>Dimming Voltage</th>
<th>Stock Location</th>
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</thead>
<tbody>
<tr>
<td>LVSM01</td>
<td>LVSM01</td>
<td>640181100269</td>
<td>No Momentary</td>
<td>0–10V</td>
<td>CA GA IL NJ TX</td>
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<tr>
<td>LVO3–M–VL</td>
<td>LVO3–M–VL</td>
<td>640181723055</td>
<td>0–10V</td>
<td>Momentary</td>
<td>3</td>
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<tr>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1in.</td>
<td>1.5in.</td>
<td>4.1in.</td>
<td>0.2lbs.</td>
</tr>
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