



# RESOURCES

## SENSOR / WIRELESS CONTROL OPTIONS

Please consult factory regarding any sensors or control options not shown

### DRY AND DAMP LOCATION MOTION SENSORS - HIGH / LOW AISLE MOUNTING APPLICATIONS - END MOUNT

#### **MS - Motion Sensor**

- Turns light ON/OFF based on motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)
- 480V available

#### **MSSD - Motion Sensor – Step Dimming**

- Step-dims light to desired preset level (based on motion detection)
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

#### **MSPC - Motion Sensor & Photocell**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

#### **MSPCD(ADC) - Motion Sensor & PhotoCell Dimming (Auto Dim Control)**

- Variably dims output to desired preset footcandle level through photocell ON/OFF with motion detection
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

#### **MSPCD(ANL) - Motion Sensor & Photocell Dimming (Auto Night Light)**

- Variably dims output to desired footcandles through photocell
- Low setting when unoccupied (full on with motion)
- For 24 hour use
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

#### **MSPCDR - Motion Sensor & Photocell Dimming (Setup with Remote Control)**

- Field adjustable dimming sensor capabilities:
  - Step Dim (HIGH/LOW output)
  - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
  - Auto Night Light (dim to desired footcandles, LOW without motion)
- Used in conjunction with 0-10V dimming Ballast /Driver
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Adjustable ramp up and fade down time
- Fixture mounting height 8-40'
- Universal Voltage (120V-277V)
- Remote setup and adjustment with handheld wireless tool (sold separately)

#### **PCD - Photocell Dimming**

- Dims output to desired footcandles through photocell
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

#### **PCSD - Photocell Sensor and Dimming**

- Dims output to desired footcandles through photocell
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

### WET LOCATION MOTION SENSORS - HIGH / LOW AISLE MOUNTING APPLICATIONS - END MOUNT

#### **MSW(HI) - Motion Sensor Wet (HI)**

- Turns light ON/OFF based on motion detection
- High mounting height applications 15-30' / Universal Voltage (120V-277V)
- 480V available

#### **MSPCW(HI) - Motion Sensor & Photocell Wet (HI)**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- High mounting height applications 15-30' / Universal voltage (120V-277V)

#### **MSSDW(HI) - Motion Sensor – Step Dimming Wet (HI)**

- Step-dims light to desired preset level (based on motion detection)
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 15-30' / Universal Voltage (120V-277V)

#### **MSPCDW(HI) - Motion Sensor & Photocell Dimming Wet (HI)**

- Field adjustable dimming sensor capabilities:
  - Step Dim (HIGH/LOW output)
  - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
  - Auto Night Light (dim to desired footcandles, LOW Setting without motion)
- Used in conjunction with 0-10V Ballast/Driver
- High mounting height applications 15-30' / Universal voltage (120V-277V)

#### **MSPCDW(LOW) - Motion Sensor & Photocell Dimming Wet (LOW)**

- Field adjustable dimming sensor capabilities:
  - Step Dim (HIGH/LOW output)
  - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
  - Auto Night Light (dim to desired footcandles, LOW SETTING without motion)
- Used in conjunction with 0-10V Ballast/Driver
- Low mounting height applications 8-15' / Universal voltage (120V-277V)

#### **MSW(LOW) - Motion Sensor Wet (LOW)**

- Turns light ON/OFF based on motion detection
- Low mounting height applications 8-15'
- Universal Voltage (120V-277V)
- 480V available

#### **MSPCW(LOW) - Motion Sensor & Photocell Wet (LOW)**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Low mounting height applications 8-15'
- Universal voltage (120V-277V)

#### **MSSDW(LOW) - Motion Sensor – Step Dimming Wet (LOW)**

- Step-dims light to desired preset level (based on motion detection)
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-15'
- Universal Voltage (120V-277V)

#### **MSPCDRW - Motion Sensor & Photocell Dimming (Setup with Remote Control, Wet)**

- Field adjustable dimming sensor capabilities:
  - Step Dim (HIGH/LOW output)
  - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
  - Auto Night Light (dim to desired footcandles, LOW without motion)
- Used in conjunction with 0-10V dimming Ballast /Driver
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Adjustable ramp up and fade down time
- Fixture mounting height 8-40'
- Universal Voltage (120V-277V)
- Remote setup and adjustment with handheld wireless tool (sold separately)



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**HIGH FREQUENCY MOTION SENSORS - INTERNAL FIXTURE MOUNT**

**MSHPC - Motion Sensor High Frequency (Microwave) with Photocell Option**

- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture is 100% on when it detects motion and will turn off after time delay
- Selectable sensitivity and detection area
- Fixture mounting height ~30'
- Universal Voltage (120V-277V)
- Photocell is disabled by default

**MSH - Motion Sensor High Frequency (Microwave)**

- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Turns light ON/OFF based on motion detection
- Fixture mounting height ~30'
- Universal Voltage (120V-277V)

**PHOTOCELL SENSORS - FIXTURE MOUNT**

**PCS - Photocell Sensor**

- Turns light ON/OFF based on light levels
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

**PCS/SH - Photocell Sensor with Light Shield Dome**

- Turns light ON/OFF based on light levels
- Comes with Light Shield Dome
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

**LUTRON® CONTROLS AND SENSORS**

**WLC(VDO) - Lutron® Wireless Fixture Sensor**

- Need Dexal driver
- One per fixture
- Turn light on/off based on motion
- 15 minutes time delay default
- Daylight sensor provide linear response to changes in light level.
- Up to 300 sq.ft major motion coverage and 150 sq.ft. minor motion coverage based on 9' mounting height.
- Work standalone or with Vive wireless control system
- Work with driver has integrated self-powered DALI link or Lutron EcoSystem driver (additional Lutron® digital link interface required)

**WLC(VRF) - Lutron® Wireless Fixture Control**

- Need Dexal driver
- One per fixture
- Wireless control module
- Work with Vive wireless control system
- Work with driver has integrated self-powered DaLI link or Lutron EcoSystem driver (additional Lutron® digital link interface required)

**PJ2-2BRL - Lutron® Pico® 2-Button Wireless Remote**

- Works with Wireless Fixture Controls
- Controls ON/OFF and dimming UP/DOWN

**WLC(FCJS0) - Lutron® Vive PowPak® 0-10V Wireless Fixture Control**

- One per fixture (external mount)
- Controls 1A of load or up to 3 drivers
- Universal Voltage (120V-277V)

**WLC(FCJSE) - Lutron® Vive PowPak® EcoSystem Wireless Fixture Control**

- One per fixture (external mount)
- Controls 1A of load or up to 3 drivers
- Universal Voltage (120V-277V)

**FC-SENSOR - Lutron® PowPak® Occupancy/Daylight Sensor**

- Turns light ON/OFF based on motion
- Recommended mounting height of 8-12'
- For dry and damp locations
- Universal Voltage (120V-277V)

**FC-VSENSOR - Lutron® PowPak® Vacancy/Daylight Sensor**

- Turns light OFF when area is vacant
- Recommended mounting height of 8-12'
- For dry and damp locations
- Universal Voltage (120V-277V)

*\*Additional Lutron® Pico® wireless remotes and accessories available. Contact the factory for more information.*



**CONTROLS AND SENSORS**

**WLC(LED RU) - EnOcean® LED Relay Zone Controller**

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

**ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount**

- Wireless single rocker switch with mounting plate
- No batteries needed

**EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount**

- Wireless double rocker switch with mounting plate
- No batteries needed

**S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool**

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

**EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount**

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

**EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount**

- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

**ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount**

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source



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**ULTRASONIC MOTION SENSORS - FIXTURE MOUNT****MSU - Motion Sensor Ultrasonic**

- Turns light ON/OFF based on motion detection
- Holds light ON at 100% for 10 minutes, after 10 minutes with no motion, light will turn OFF
- Universal Voltage (120V-277V)

**MSUSD - Motion Sensor Ultrasonic – Step Dimming**

- Full ON when motion is detected
- Holds light ON at 100% for 10 minutes
- After 10 minutes with no motion, light will dim down to 25% until motion is detected again
- Universal Voltage (120V-277V)

**MSUSDO - Motion Sensor Ultrasonic – Step Dimming-to-Off**

- Full ON when motion is detected
- Holds light ON at 100% for 15 minutes
- After 15 minutes with no motion, light will dim down to 25% for 45 minutes and then OFF, until motion is detected again
- Universal Voltage (120V-277V)

**MOTION SENSORS - BOX MOUNT****MS(LOWE) - Motion Sensor (Extra Wide Lens)**

- Turns light ON/OFF based on motion detection
- Fixture shape: cone
- Fixture mounting height: 8~10 ft, 2.4~3.0m
- Fixture coverage: 6x height
- Universal Voltage (120V-277V) / 480V available

**MS(HI) - Motion Sensor (High Bay Lens)**

- Turns light ON/OFF based on motion detection
- Fixture shape: cone
- Fixture mounting height: 15~30 ft, 4.5~9.0m
- Fixture coverage: 3x height
- Universal Voltage (120V-277V) / 480V available

**MS(LOW) - Motion Sensor (Standard Lens)**

- Turns light ON/OFF based on motion detection
- Fixture shape: round
- Fixture mounting height: 8~20 ft, 2.4~6.0m
- Fixture coverage: 2x height
- Universal Voltage (120V-277V) / 480V available

**MS(AIL) - Motion Sensor (Aisle Way Lens)**

- Turns light ON/OFF based on motion detection
- Fixture shape: arch
- Fixture mounting height: 8~40 ft, 2.4~12.0m
- Fixture coverage: 3x height
- Universal Voltage (120V-277V) / 480V available

**MSPC(LOWE) - Motion Sensor & Photocell (Extra Wide Lens)**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture shape: cone
- Fixture mounting height: 8~10 ft, 2.4~3.0m
- Fixture coverage: 6x height
- Universal Voltage (120V-277V)

**MSPC(HI) - Motion Sensor & Photocell (High Bay Lens)**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture shape: cone
- Fixture mounting height: 15~30 ft, 4.5~9.0m
- Fixture coverage: 3x height
- Universal Voltage (120V-277V)

**MSPC(LOW) - Motion Sensor & Photocell (Standard Lens)**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture shape: round
- Fixture mounting height: 8~20 ft, 2.4~6.0m
- Fixture coverage: 2x height
- Universal Voltage (120V-277V)

**MSPC(AIL) - Motion Sensor & Photocell (Aisle Way Lens)**

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture shape: arch
- Fixture mounting height: 8~40 ft, 2.4~12.0m
- Fixture coverage: 3x height
- Universal Voltage (120V-277V)

**MSPCD(LOWE) - Motion Sensor & PhotoCell Dimming (Extra Wide Lens)**

- Variably dims output to desired footcandles through photocell
- Low setting when unoccupied
- Full on with motion
- Fixture shape: cone
- Fixture mounting height: 8~10 ft, 2.4~3.0m
- Fixture coverage: 6x height
- Universal Voltage (120V-277V)

**MSPCD(HI) - Motion Sensor & PhotoCell Dimming (High Bay Lens)**

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- Variably dims output to desired footcandles through photocell
- Low setting when unoccupied
- Full on with motion
- Fixture shape: arch
- Fixture mounting height: 8~40 ft, 2.4~12.0m
- Fixture coverage: 3x height
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