

PRODUCT AND SOLUTIONS GUIDE

CoreSync Smart Building Solution

Compatible Products - Q2 2024



Connected Buildings >



For over 30 years, Molex has specialized in developing products and solutions to enable better networks. From office spaces to production lines, data centers to multi-site campuses, your network designs will perform better and last longer with Molex technology.

Our high-quality, end-to-end, structured cabling solutions connect businesses with their mission critical applications.



Transforming the way global businesses approach IT infrastructure

Partner of Choice

Molex Connected Enterprise Solutions is part of the Molex group, which is a subsidiary of Koch Industries. Molex is globally recognized in a wide range of industries, including data communications, consumer electronics, industrial, automotive, commercial vehicle and medical. We strive to develop the latest production techniques and manufacturing equipment to ensure consistent high-quality products and fast response to your requirements.

With design and manufacturing facilities and local teams around the world, we trade directly into more than 100 countries, providing a truly global solution.

Why Choose Molex?

Molex Accreditations

Our worldwide manufacturing sites are certified to the ISO 14001 environmental management system standard, which requires that a broad range of environmental processes and policies be in place to minimize environmental impact and maintain compliance with environmental regulations. All our products are certified to the relevant national and international standards

25-Year Warranty

We're proud of our own manufacturing standards, as well as the quality of work provided by our global Certified Installer network. So proud in fact, that our structured cabling products enjoys a 25-year System Performance and Application Assurance Warranty. It's simple and fuss-free, providing you with the confidence, technical excellence and long-term financial security you demand for your business.

Ecocare

As a responsible corporate citizen, we are committed to using environmentally conscious practices during the design and manufacture of our products. These environmental practices are designed to ensure that Molex is developing sustainability through environmental preservation activities.

Trust, Integrity and Support

Integrity and trust are fundamental to the Molex way of life. Our Market Led Management philosophy puts you first, configuring solutions around your specific requirements. We only develop relationships with companies who demonstrate a commitment to the same exemplary standards as us. This means you can expect the highest quality of service throughout the process and for the full lifespan of your network.

Smart building solutions >



Intelligent buildings are an effective means to increase efficiency, reduce costs and improve workspace environments.

With over 3.3 million sq ft already installed, CoreSync smart building systems are already saving energy, improving workspace environments and empowering employees for businesses around the country.

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Wireless Wall Switches



Multi-Button Interface Switch Station

The Echoflex Solutions MBI is a wireless switch station, available in 2, 4, or 8 button formats which communicate wirelessly with Echoflex lighting controllers. Each pair of buttons operates like a single paddle rocker switch driving lights ON/OFF or adjusting dimming levels on linked Echoflex lighting controllers. Linking other switch pairs from the same station to controllers in different areas provides multi-zone control from a single station.

- Wireless low profile switch station with screwless face plate
- Finger press responds with audible click, a LED blink and a switching/dimming transmission
- Range Confirmation® via tricolored LED indication
- Reliable radio reception range of 24 m (80 ft) - commercial office spaces (typical), up to 100m (330 ft) line of sight
- Battery powered by replaceable coin cell
- Flush mount with screws and anchors or double sided tape (not supplied)
- Back support plate provide for installing with a mud ring
- Can be mounted to line voltage electrical boxes. UL approved line voltage barrier is available as a separate order item (white or gray only)

Description	Vendor
Multi-Button Interface Switch Station	EchoFlex



Dual Tech Wall Switch Sensor

The Dual Tech Wall Switch Sensor (OWS-DT) is a line powered, wall mount, dual technology occupancy sensor with integrated wall switch that communicates wirelessly to Echoflex controllers. The OWS-DT-UW-120/277 is a no-neutral conductor powered device connecting to line voltage and earth ground. The OWS-DT-UW-BTY is powered by a long shelf life battery.

- A microphone is used to detect human activity even around corners, ensuring lights stay on
- Wall mount with 180° angle of detection
- Integrated rocker switch with ON, OFF and dimming capability
- Provides immediate response to motion even in a dark room
- Sensitivity adjustment (high, medium or low) to avoid nuisance triggering
- Sends occupied and vacancy telegrams
- Walk-Test feature allows installers to test operation and installation location
- Reliable radio reception range of 24 m (80 ft) - commercial office spaces (typical), up to 100m (330 ft) line of sight
- Vandal resistant lens

Description	Vendor
OWS Wall Switch Sensor	EchoFlex

Wireless Wall Switches



USB Cubicle Controller

Echoflex's ERUSB-C is a wireless Passive Infrared (PIR) occupancy sensor with an integrated switch in a small package. It is perfect for cubicle switch station applications. Powered through a USB connection and mounting at desk level or on a cubicle partition wall, the ERUSB-C detects motion and transmits the occupancy status via a radio telegram.

- The cubicle switch station can be linked to any of Echoflex's line of embedded controllers or receivers
- The built-in toggle switch allows manual override when used with Echoflex's SmartSpace

Description	Vendor
USB Cubicle Sensor	EchoFlex

Wireless Sensors



Dual-Tech Vacancy / Occupancy Sensor

The Echoflex Dual-Tech Vacancy/Occupancy Sensor (RVS-D or RCS-D) are ceiling mount 360 degree dual technology wireless sensors. Optimized for spaces with ceiling heights of 8 to 10 feet, the RVS-D/RCS-D provide automatic OFF control of lights meeting today's strictest energy codes. The combination of passive infrared (PIR) and audio sensing technologies ensures positive occupant detection so lights stay ON when needed.

- Wireless dual-tech solar powered vacancy (RVS-D) or battery powered occupancy (RCS-D) sensors
- Sleek low-profile design for architectural design acceptance
- Passive audio detection of human activity with range of 18 feet diameter keeps the lights on when needed
- Integrated Range Confirmation® via tricolored LED indication
- Walk test mode allows installers to test occupancy detection to ensure full motion range coverage
- Sensitivity adjustment of PIR or audio to prevent nuisance triggering
- Ceiling mount with 360° angle of PIR detection, for small or larger spaces
- Mounting options include integrated magnets for T-Bar Ceilings, wire straps for ceiling tiles, screw mount, or double sided tape
- Reliable radio reception range of 24 m (80 ft.) - commercial office spaces (typical), up to 100m (330 ft.) line of sight
- Available in 902 MHz and 868MHz frequencies

Description	Vendor
Dual-Tech Occupancy Sensor	EchoFlex

Wired Dimming Module



Mx-USR-L3 Lighting Control Module

EcoSpec® Linear Dimming Control Module plenum rated (LDCM-PL) takes a 0-10V dimming signal and a fixed line voltage input and converts it to a reverse phase dimmed output for up to 1000W with a 277V load and 450W on a 120V load. One LDCM can be used per run up to the maximum wattage. The LDCM-PL is rated to directly mount to a junction box in a plenum space for easier installations and to meet building requirements.

- Dims ELV Only Fixtures With 0-10V
- Simple Installation
- Direct J-Box Mount
- 120V and 277V Compatible
- Auto-Sensing voltage switch
- 450W @120V, 1000W @277V
- Plenum Rated
- One LDCM per fixture run

Description	Vendor
Linear Dimming Control Module for ELV output	Ecosense

Wired Wall Switches



PIR Wall Switch Occupancy Sensor

The PW-100-24 passive infrared (PIR) low voltage wall switch sensor can turn lights OFF and ON based on occupancy. It is characterized by high sensitivity to small and large movements, appealing aesthetics, and a variety of features.

- Detection Signature Processing eliminates false triggers and provides immunity to RFI and EMI
- Zero-crossing for long relay life
- Vandal resistant lens combines precise coverage with durability
- Choice of Manual-ON or Auto-ON operation
- Selectable walk-through mode turns lights off three minutes after the room is initially occupied if no motion is detected after the first 30 seconds
- Test mode allows quick and easy adjustments

Description	Vendor
PIR Wall Switch Occupancy Sensor, 24V, Grey	Legrand



Dual Tech Wall Switch Sensor

3 Amp, 125 Volt, Single-Pole, Doorjamb w/Jamb Box Switch, Single Circuit Momentary, Normally-ON, Commercial Grade - Brass

- Metal Pushbutton
- Metal Jamb Box
- ONLY Doorjamb Switch that meets UL Requirements
- Environmental: Flammability UL-94, V2 Rating
- Operating Temperature: -40° C to 120° C

Description	Vendor
1865 Door Jamb Switch	Leviton



Decora Plus Rocker Switch

3 Amp, 24 Volt, Decora Plus Rocker, Double-Throw Ctr-OFF Momentary Contact, Single-Pole AC Quiet Switch, Commercial Grade, Self-Grounding, Back & Side Wired.

- Momentary Contact CTR OFF
- Single-Pole Double-Throw
- Operating Temperature: -40° C to 65° C

Description	Vendor
Decora Plus Rocker Switch	Leviton

Wired Wall Switches



Low Voltage Wall Switch

- Attractive, architecturally pleasing design
- Momentary or latching button action
- 1-4 buttons with or without LED
- Mounts to standard single-gang box
- California Title 24 compliant
- Low voltage device: 24 VDC
- Five-year limited warranty

Description	Vendor
Low Voltage Wall Switch	Hubbell



LightHAWK® Dual Technology Wall Switch Sensor*

With a coverage area of up to 1,000 square feet and 180° of detection, the LightHAWK® Dual Technology Wall Switch Sensor combines ultrasonic (US) and passive infrared (PIR) technologies for unequaled motion detection.

**Note: LHMTS1-24V model only*

- Digital dual technology: Ultrasonic and Passive Infrared
- IntelliDAPT® self-adaptive technology; no manual adjustment required
- Single and dual relay models for on/off switching
- Occupancy (auto-ON) and Vacancy (manual-ON) operating modes
- 1,000 square-foot, 180° coverage area
- RhinoTuff lens
- 120/277VAC, 347VAC and 24VDC models
- Zero Arc Point Switching

Description	Vendor
LightHAWK® Dual Technology Wall Switch Sensor	Hubbell



Mystique Contact Closure Switch

Can be used for almost any application that requires a button for control. Two-wire momentary switch.

- Elegant button design
- Drop in replacement for older switches
- 1 G ang configuration has a screwless cover
- Multiple button and LED configurations available:
 - One, two, three, four, or eight buttons per gang
 - One, two, three, four, or eight LEDs per gang
- Multiple station and LED colors available
- Engravable caps
- Comes as a complete unit, which includes the cover

Description	Vendor
Mystique Contact Closure Switch	Touch Plate

Wired Wall Switches



Ultra Series Wall Switch

The Ultra Series wall switch incorporates designer style with an excellent button feel and response. It is an exceptional solution for a wide variety of applications. Its sleek appearance can blend into any décor. The Ultra is a great option to upgrade existing low voltage wall switches or to install in new applications.

- Available in configurations of 1, 2, 3, 4, 5, 6, 8, 10, and 12 buttons, with and without LEDs
- Laser Engraving and Multi-Gang options are available
- The Ultra Series is available as a Digital Station as well
- This model can be tailored to digital 2-Wire, 5-Wire, BACnet, & DMX low-voltage lighting systems

Description	Vendor
Ultra Series Wall Switch	Touch Plate



5000 Series Wall Switch

The 5000 Series Wall Switch is a practical & elegant low voltage switch solution. Its attractive design, medium-sized rectangular buttons, topped with a screwless cover make the 5000 series an appealing choice for a variety of applications. The 5000 series Contact Closure Wall Switch is compatible with ALL of Touch-Plate's 2-wire systems both past & present.

Description	Vendor
5000 Series Wall Switch	Touch Plate



Royal Series

Large and easy to press buttons. Ideal complement to any low voltage system. Ideal for upgrades of existing low voltage systems. Can be used for almost any application that requires a button for control.

- 1 Gang configuration has a metal screwless cover
- Engravable button caps
- Comes as a complete unit, which includes the cover

Description	Vendor
Royal Contact Closure Switch	Touch Plate



Decora Plus Rocker Switch

The sharp, chic look of the adorne® Push Switch allows you to turn lights on and off with a simple push-button motion. Use this device on its own to control a light or fixture from a single location, or pair with a second switch or dimmer to control a single light source from two locations. Made exclusively for use with screwless Wall Plates from the adorne® Collection, sold separately.

- Installs in 15 minutes or less, fitting into an existing electrical box. No new wiring required for typical installation
- Available in a range of contemporary colors and finishes

Description	Vendor
adorne® Push™ Switch, White	Legrand

Wired Sensors



Partition Sensor

The Wattstopper Partition Sensor uses an infrared transmitter/receiver pair to detect partition opening and closing and, in conjunction with other Architectural Dimming products, coordinates lighting and shade preset functions in areas such as partitioned meeting rooms or ballrooms. When used with the unique partitioning programming features of Design Center and the divide and combine widget on the Equinox touchscreens, the Partition Sensor allows for automation of partitioned spaces and visual indication of room lighting and shade status.

- Uses visible and infrared light sources for high reliability
- Flexible and easy mounting and wiring. Power supply included
- LED photoelectric switch for controlling partitioned spaces
- Range between transmitter and receiver is 65' (20m) for mounting versatility
- Use with the Divide and Combine widget built into Equinox touchscreens and Design Center software

Description	Vendor
Partition Sensor	Legrand



Dual Technology Ceiling Mount Sensor

The LOS-CDT Series dual technology ceiling-mount sensors can integrate into Lutron® systems or function as stand-alone controls using a Lutron® power pack. The technology eliminates manual sensitivity and timer adjustments during installation and over the life of the product.

- Intelligent, continually adapting sensor
- Ultrasonic (US) combined with Passive Infrared (PIR) sensing provide high sensitivity, high noise immunity, and excellent false tripping immunity
- Suited for complex environments that are difficult to control with single-technology sensors
- Snap-locks to ceiling-mounted cover plate
- Non-Volatile Memory: settings saved in protected memory are not lost during power outages
- 500 ft² to 2000 ft² (46 m² to 186 m²) coverage when mounted on an 8 ft to 12 ft (2.4 m to 3.7 m) ceiling
- Affords choice of turning lights off or dimming to a preset level in the unoccupied state when integrated with a Lutron® system

Description	Vendor
Dual Technology Ceiling Mount Sensor	Lutron®



OMNI® Low Voltage Ultrasonic and PIR Ceiling Sensor

The sensor combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. This dual technology provides accurate turn-ons while virtually eliminating false-offs. This sensor features Hubbell Controls' patented IntelliDAPT® technology, which makes all the sensor adjustments automatically. Throughout the product's lifespan, IntelliDAPT software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT technology provide a maintenance free install and forget operation.

- Compatible model: OMNI-DT2000-RP
- IntelliDAPT® self-adaptive technology - no manual adjustment required
- All-digital dual technology ultrasonic (US) and passive infrared (PIR) sensor
- Non-volatile memory for sensor settings
- Low voltage device: 24VDC
- 500–2,000 square-foot coverage area (depending on model)
- Optional relay and photocell control
- 5 year warranty

Description	Vendor
OMNI® Low Voltage Ultrasonic and PIR Ceiling Sensor	Hubbell

Wired Sensors



LightOWL® Dual Technology Wall Mount Sensor

The LODT combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. Designed specifically for areas where ceiling sensors are not appropriate, this sensor features Hubbell Building Automation's patented IntelliDAPT technology, which makes all the sensor adjustments automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT provide a maintenance-free "Install and Forget" operation.

- IntelliDAPT self-adaptive technology - no manual adjustment required
- All-digital dual technology (ultrasonic [US] and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 1,600 square-foot coverage area
- Optional relay and photocell control
- Optional Quick to Install (QTI) connector
- UL and cUL listed
- 5-year warranty

Description	Vendor
LightOWL® Dual Technology Wall Mount Sensor	Hubbell



WASP™ Occupancy Sensor

The WASP™ Occupancy Sensor is specifically designed for ON/OFF control of high bay fixtures in warehouse, distribution centers and similar facilities. The WASP™ sensor is also available for low mount applications when using the appropriate lens. The sensor is available in end mount and surface mount versions with either single or dual outputs.

- Digital Passive Infrared (PIR) sensor
- Multiple (single and dual) output versions
- Unique Smart Cycling for improved lamp life
- End mount and surface mount versions
- Interchangeable high/low area detection lens options (sold separately)
- Low voltage and line voltage models available
- Daylight sensor for daylight harvesting applications
- Low temperature/water-tight/indoor-outdoor versions

Description	Vendor
WASP™ Occupancy Sensor	Hubbell

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