

MODUS
SmartBAY™
Wireless control system



The right amount of light.
**Where you need it,
when you need it.**

The **MODUS SmartBAY™ Wireless Control System** is a state-of-the-art, intelligent lighting control solution that features a wireless mesh (WPAN) control design allowing dimming based on traffic and occupancy detection to deliver the right amount of light—where you need it, when you need it—for incredible ROI and energy savings.

This standalone, 2.4 GHz wireless control system complies with the IEEE 802.15.1 standard and features a small form factor, rotatable sensor detection pattern to minimize blind spots, adjustable ramp-up/ramp-down timing for a smooth consumer experience, 3-year warranty, and the quality and reliability you've come to expect from SloanLED.

- Sensors can be spaced up to 5.5 m (18 ft) radius from parent luminaire with detection pattern of 8 m (26 ft) radius when at 4.3-4.9 m (14-16 ft) installed heights; and control nodes up to 4.9 m (16 ft) apart on a single canopy with the ability to create zones for multiple canopies or large canopies/installations
- Broad area coverage pattern
- Detection height designed for typical fuel canopies
- Easy installation and toolless pattern alignment
- Integrates seamlessly with pre-installed PDL3 MODUS fixtures

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for more information.



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Sensor

The MODUS SmartBAY™ Wireless Control System sensor is a passive infrared (PIR) technology sensing device, powered by the MODUS SmartBAY controller (P/N 601000). PIR technology is an industry standard for detecting moving objects by their heat signature and comparing to background thermal levels. Lights are enabled in the zoned WPAN network. Movement detection is a mesh broadcast to other controllers within the defined local grouping.

The sensor is easily installed in the underside of canopies, soffits, existing PDL3 MODUS fixtures, and other applications where traffic over-watch is maximized. Pattern alignment is toolless.

- Broad area coverage pattern
- Detection height designed for typical fuel canopies
- Easy installation and toolless pattern alignment



Controller

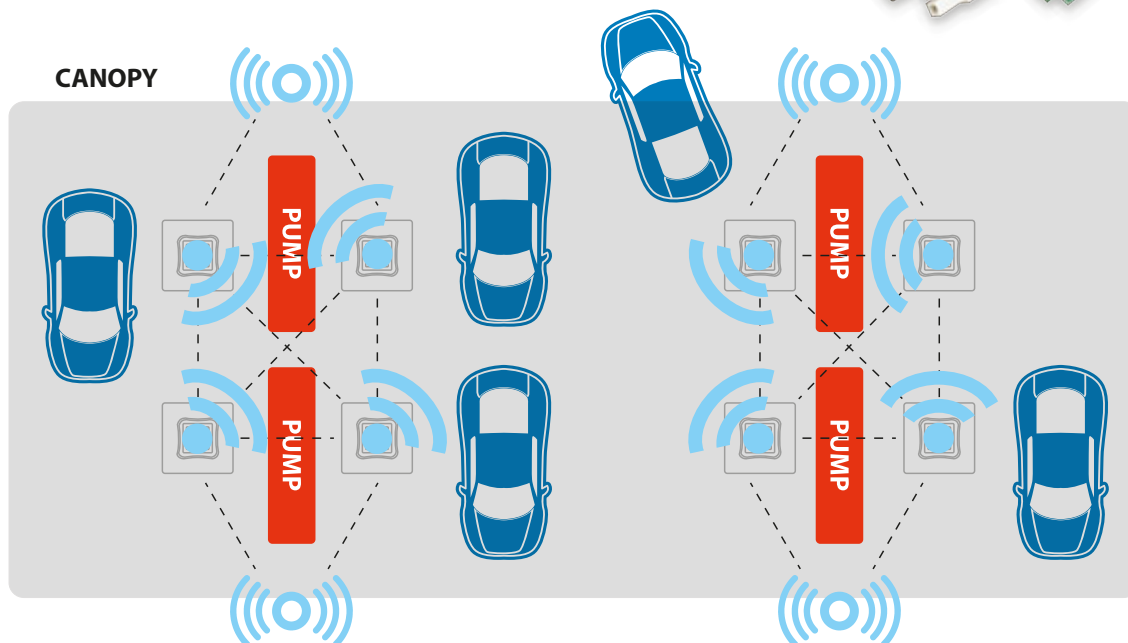
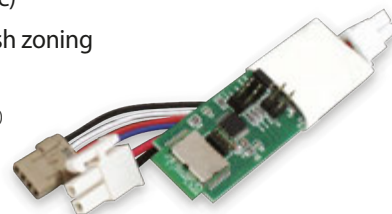
The MODUS SmartBAY™ Controller converts PDL3 MODUS fixtures into wirelessly responsive luminaires.

Control functionality includes pre-programmed ramp-up/ramp-down parameters, configurable zoning, and the ability to mesh a virtually infinite number of fixtures. A 701986 PIR sensor can be attached to any controller.*

Movement detection from a "parent" sensor and controller pairing is mesh broadcast to other controllers within the defined local grouping. The IEEE802.15.1 WPAN network enables all light in the zone area. Zoning is as simple as jumper selection, configurable while in the field – eight (8) zones can be independently specified on the controllers to selectively acts as zones. Maximum system input power is jumper selectable to three levels.

- Typical applications: Fuel station canopies, school lunch canopies, high-bay warehousing
- Wireless mesh technology (WPAN) compliant to IEEE 802.15.1
- Factory programmed On/Off/dimming profiles (brand specific available)
- Supports multiple mesh zoning

* Only controllers that have the same factory applied customer number (601000-X, "X" is the customer number) communicate wirelessly in a mesh.



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Specifications subject to change without notice.

