

SENSING CONTROL | Line Voltage Ceiling Mount
Provolt™ Self-Contained Sensors — Daylight Harvesting Capable Models

The Leviton Provolt™ Series of Occupancy Sensors features self-contained line-voltage occupancy sensors and photocells in one unit. The integrated design alleviates the need for separate power pack, occupancy sensor and photocell wiring, making it a low-cost and efficient energy management solution for new construction and retrofits. For true Daylight Harvesting applications, integrated photocells provide consistent Daylight Design Levels by actively switching the connected load(s) ON and OFF in response to available natural light to maximize energy savings. The Provolt™ Series also includes a line of vacancy sensors that feature self-contained line-voltage vacancy sensing technology.

Features and Benefits

- Includes occupancy sensing, daylight harvesting, and manual-ON/auto-OFF override control in a single unit
- Provides additional energy savings with true daylight harvesting capabilities
 - Occupancy sensor models include an angled light pipe and flat light pipe for open loop and closed loop daylight harvesting applications
 - Auto-Calibration - photocell intelligently measures light levels to determine optimal daylight design levels for closed loop applications
- Switching Control of LED drivers
- Models include single or dual relay
- Dual relay modes include: auto-ON/auto-OFF, manual ON/auto-OFF, auto-ON/manual-ON, fan control, stairwell control, step dimming — alternating daylighting levels, step dimming — load 1 primary
- Auto-adapting — time delay and sensitivity are continually adjusted to room occupancy pattern
- Output short circuit protection — protection against low voltage wiring errors
- BMS input/emergency override
- Industry-exclusive self-configuring local manual switch input supports momentary and maintained switches — no special control stations required
- Industry-exclusive “fail-safe” circuitry assures lights ON to meet life safety requirements
- Industry-exclusive High Inrush Stability (H.I.S.) technology for unmatched durability and service
- Mechanically held 10A latching relay provides dependability and robust performance for all load types
- Zero-crossing circuitry for extended life of the relay
- Simplified commissioning
- Visual LED status indicators
- Easily replaceable lenses are color-coded for contractors and end-users to identify from the ground:
- Integrated photocell tested to less than 1fc accuracy
- Tested to exceed 2 million switching cycles under standard loads
- Passed rigorous NEMA 410 testing for electronic ballast rating
- Meets energy code requirements for CA Title 24 2013, UL 773A (Occupancy Standard), UL 924 (Emergency Equipment), cUL Listed, CE, NOM Certified, RoHS, and NY LLC48 Compliant

N

Energy Management

Provolt™ Self-Contained Ceiling Mount Occupancy Sensors — Daylight Harvesting Capable

Description	Cat. No.	Coverage	Color	Input Voltage, Rating
Provolt™ Line Voltage Ceiling Mount PIR Occupancy Sensor w/Integrated Photocell, High-Density Lens installed, Mid-Range Lens included	ODC04-IDW	450SF	W	120V, 50/60Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor
Provolt™ Line Voltage Ceiling Mount PIR Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range Lens included	ODC15-IDW	1500SF	W	230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount U/S Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC05-UDW	500SF	W	120V, 50/60Hz 8A Electronic Ballast, 800W/VA, Tungsten Ballast, Mid-Range Lens included, 1/4 HP Motor
Provolt™ Line Voltage Ceiling Mount U/S Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC10-UDW	1000SF	W	230V, 50Hz 6A/6AX, Electronic Ballast, 1200VA, 1/3 HP Motor

Continued on next page

SENSING CONTROL | Line Voltage Ceiling Mount

Continued from previous page

Provolt™ Self-Contained Sensors — Daylight Harvesting Capable Models

Provolt™ Self-Contained Ceiling Mount Occupancy Sensors — Daylight Harvesting Capable

Description	Cat. No.	Coverage	Color	Input Voltage, Rating
Provolt™ Line Voltage Ceiling Mount U/S Occupancy Sensor w/ Integrated Photocell, Extended Range Lens installed	ODC20-UDW	2000SF	W	277V, 50/60Hz 5A, Electronic Ballast, 1200W/VA, Tungsten Ballast, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount Multi-Technology Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	ODC05-MDW	500SF		230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount Multi-Technology Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range Lens included	ODC10-MDW	1000SF		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount Multi-Technology Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range Lens included	ODC20-MDW	2000SF		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor

Provolt™ Dual Relay Self-Contained Ceiling Mount Occupancy Sensors — Daylight Harvesting Capable

Description	Cat. No.	Coverage	Color	Input Voltage, Rating
Provolt™ Line Voltage Ceiling Mount PIR Dual Relay Occupancy Sensor w/Integrated Photocell, High-Density Lens installed, Mid-Range Included	O2C04-IDW	450SF	W	120V, 50/60Hz 8A, Electronic Ballast, 800W/VA, Tungsten Ballast, 1/4 HP Motor
Provolt™ Line Voltage Ceiling Mount PIR Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range included	O2C15-IDW	1500SF		230V, 50Hz 6A/6AX, Electronic Ballast, Magnetic Ballast, 1200W/VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount U/S Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	O2C05-UDW	500SF		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount U/S Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	O2C10-UDW	1000SF		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount U/S Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	O2C20-UDW	2000SF		277V, 50/60Hz 5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Provolt™ Line Voltage Ceiling Mount Multi-Technology Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed	O2C05-MDW	500SF		
Provolt™ Line Voltage Ceiling Mount Multi-Technology Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range included	O2C10-MDW	1000SF		
Provolt™ Line Voltage Ceiling Mount Multi-Technology Dual Relay Occupancy Sensor w/Integrated Photocell, Extended Range Lens installed, Mid-Range included	O2C20-MDW	2000SF		

N

Energy Management