Occupancy and Vacancy Motion Sensors

That Can Be Used to Comply with 2019 California Title 24, Part 6, Indoor Device Requirements and 2017 NEC®

Leviton offers many products that help lower electrical costs and add convenience to everyday living. Replacing standard switches with sensors helps to reduce energy consumption by ensuring that lights are never left on for an extended period of time.

Residential indoor lighting requirements in the State of California have changed and finding a sensor that meets these new specifications can be challenging. Fortunately, Leviton offers compliant solutions for new construction and retrofit applications.

NEW CONSTRUCTION/ADDITIONS (For permits filed after 1/1/2020)

CHALLENGE

Residential new construction in the State of CA must meet 2019 Title 24 energy code requirements for Indoor Lighting as well as the NEC 2017.

- 2019 California Title 24 now allows an occupancy sensor to meet the vacancy requirements
  - If occupant sensor is installed, it must be configured to manual-ON operation
  - If occupant sensor is installed, it shall not be capable of conversion by occupants from manual-ON to automatic-ON functionality
- NEC 2017 prohibits current on the equipment grounding conductor during normal operation

SOLUTION

All Leviton Occupancy and Vacancy Sensors comply with 2019 California Title 24 can be used to also meet the requirements of NEC 2017 for new construction.

- Neutral required for installations in new construction
- 180° field of view, 900 sq. ft. coverage
- Suitable for bathrooms, garages, laundry rooms and utility rooms
- DOS02, DVS02 are single pole only. DOS05/DVS05 are single/pole or 3 way and DOS15, DVS15 are single pole or 3-way/multi-location when used with a DD0SR switch companion. Also, multi-sensor with two DOS15 or DVS15 sensors
- For use with LED, CFL, Incandescent, Magnetic Low Voltage, Electronic Low Voltage, Fluorescent Ballast or Motor loads

RETROFIT/REPLACEMENT CONSTRUCTION

CHALLENGE

Residential retrofit construction may not have a neutral in the wallbox.

NEC 2017 exceptions:

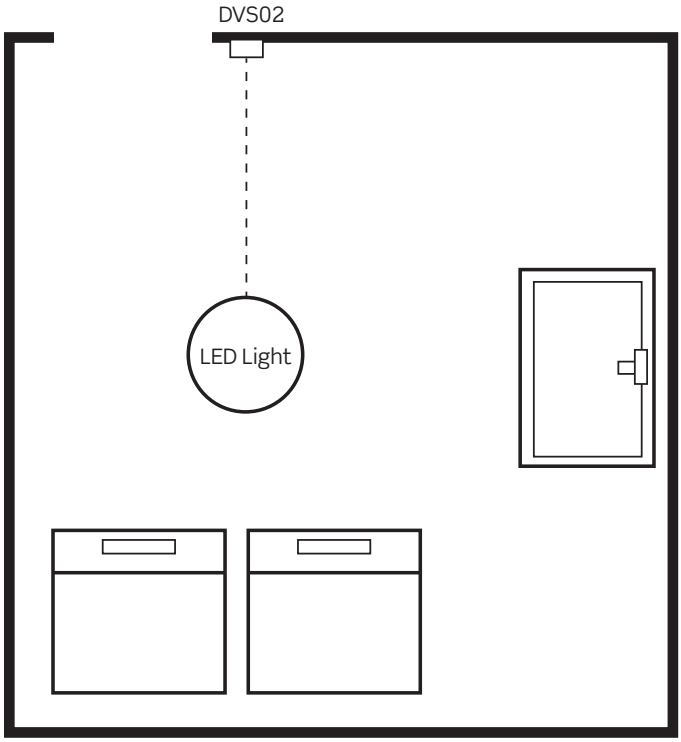
- For replacement in already installed places (allowable to sell and replace)
- Retrofit: allowed, but will be limited to 5 devices per branch circuit conductor and 25 per feeder conductors

SOLUTION

All Leviton Occupancy and Vacancy Sensors can be used to replace an existing wall switch.

- 180° field of view, 900 sq. ft. coverage
- Suitable for bathrooms, garages, laundry rooms and utility rooms
- Single pole or 3-way
- For use with LED, CFL, Incandescent, Fluorescent Ballast or Motor loads
- DOS15 and DVS15 require a neutral wire for installation

SAMPLE OF LAUNDRY ROOM



WHAT YOU WILL NEED TO ORDER

New Construction/Additions or Retrofit with Neutral in the wallbox	
	DVS02, DVS05 or DVS15 Vacancy Sensors DOS02, DOS05 or DOS15 Occupancy Sensors DD0SR switch companion can be used with DOS15 or DVS15 for 3-way or multi-location applications An additional DOS15 or DVS15 sensor can be used for multi-sensor application

Retrofit/Replacement Construction with no Neutral in the wallbox	
	DVS02 or DVS05 Vacancy Sensors DOS02 or DOS05 Occupancy Sensors

Leviton Manufacturing Co., Inc.
Tech Line: 1-800-824-3005
Mon-Fri 8am-10pm EST, Saturday 9am-7pm EST, Sunday 9am-5pm EST
For 24/7 product support visit **www.leviton.com/support**

Visit our Website at: www.leviton.com/motionsensors

© 2022 Leviton Manufacturing Co., Inc. All rights reserved.
All trademarks are the property of their respective owners.