

Passive infrared (PIR) motion sensor switch

| | |
|-----------------|--------------|
| Project Name: | Prepared By: |
| Project Number: | Date: |
| Catalog Number: | Type: |

Description

Single Relay, No Neutral
 120V/AC
 Incandescent, Halogen, CFL, LED, MLV, ELV
 Fluorescent, Motor (1/6 HP)

Design features

- Convenient installation and test mode for set-up
- Adjustable, built-in light level sensor (OS306U)
- Selectable time delay
- California Title 20 compliant (VS306U)
- For use with incandescent lamps, halogen fixtures, electronic and magnetic fluorescent, CFL, LED electrical motor loads
- Single-pole or 3-way wiring
- Manual OFF push button
- Color-matched, reinforced lens is tamper-resistant
- Fits any decorator wallplate
- Occupancy switch provides Automatic ON/Automatic OFF (OS306U)
- Vacancy switch provides Manual ON/Automatic OFF (VS306U)
- No neutral required for installation



OS306U



VS306U

Table 1. Wire Leads – Wall Mount

| Catalog No. | Description | Coverage Area | Color Suffix |
|-----------------------------------|---|---------------------------------------|---------------------|
| <input type="checkbox"/> OS306U__ | 180° Passive Infrared Occupancy Sensor Switch | 450 sq. ft. major motion (41.8 sq. m) | A, BK, GY, LA, V, W |
| <input type="checkbox"/> VS306U__ | 180° Passive Infrared Vacancy Sensor Switch | 450 sq. ft. major motion (41.8 sq. m) | A, BK, GY, LA, V, W |

Compliances, specifications and availability are subject to change without notice.



Powering Business Worldwide

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Applications

Eaton Wiring Devices' stylish passive infrared wallbox sensor provides a convenient energy saving lighting control alternative for 120V applications. The sensor includes light level sensing capability to further enhance the energy savings by preventing automatic control of the lights when the ambient light level is sufficient. This sensor is easily installed in any standard wallbox to control most lighting loads and is available in six colors.

Table 2. Specifications

| Catalog No. | OS306U & VS306U Series |
|--------------------------------------|---|
| Device Type | Passive Infrared Wall Mount Occupancy Sensor, OS306U & VS306U |
| Wiring Type | Pre-stripped wire leads |
| Testing & Code Compliance | <ul style="list-style-type: none"> Listed to UL 244A and 1472; CSA 22.2 No. 184.1 California Title 20 Energy Code compliant (VS306U) |
| Warranty | 1-year limited warranty |
| Environmental Specifications | <p>Flammability: Meets UL94 requirements; V2 rated</p> <p>Temperature Rating: 0°C to 40°C (32°F to 104°F)</p> <p>Humidity Rating: Relative humidity less than 90%, non-condensing</p> <p>Operating Areas: For indoor use only</p> |
| Electrical Specifications | <p>Power Requirements: 120V/AC @ 60Hz</p> <p>Maximum Load: Incandescent/halogen @120V: 5A, 600W, 60Hz Fluorescent @120V: 5A, 600W, 60Hz Motor @ 120V: 1/6 HP</p> |
| Mechanical Specifications | <p>Detection Technology: Passive Infrared (PIR)</p> <p>Mounting: NEMA wall box</p> <p>LED Indicating Lamp: Green (VS306U only)</p> |
| Operation Specifications | <p>Time Delay: Adjustable, 5 min., 10 min., 20 min., 30 min., Test</p> <p>Coverage: 450 sq ft. 180° field of view</p> <p>Operating Modes: Automatic ON/Automatic OFF (OS306U) Manual ON/Automatic OFF (VS306U)</p> |

Table 3. Materials







| Catalog No. | OS306U & VS306U Series |
|----------------|--|
| Lens | Reinforced, tamper-resistant fresnel lens |
| Housing | Injection molded polycarbonate resin housing |

Table 4. Dimensional Data

| Catalog No. | OS306U & VS306U Series |
|------------------------|--|
| Mounting Plate | 4.20"H X 1.80"W (10.67cm x 4.57cm) |
| Product Housing | 2.60"H X 1.55"W X 1.85"D (6.62cm x 3.95cm x 4.72cm) |



Table 5. Color Ordering Information

For ordering devices, include Cat. No. followed by the color code: A (Almond), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)

| | | | | | |
|---|---|---|---|--|--|
|  A |  BK |  GY |  LA |  V |  W |
| (Almond) | (Black) | (Gray) | (Light Almond) | (Ivory) | (White) |

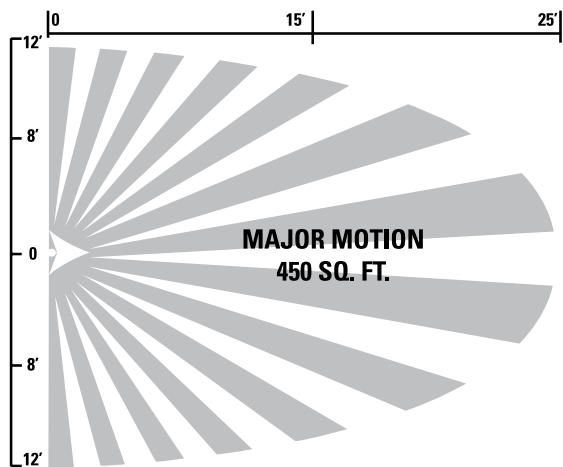
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Certifications & Compliances

| Catalog No. |  |  |
|-------------|---|---|
| OS306U | • | • |
| VS306U | • | • |

KEY:  cULus  NOM

Coverage Pattern



| | |
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OS306U & VS306U Wiring Diagrams

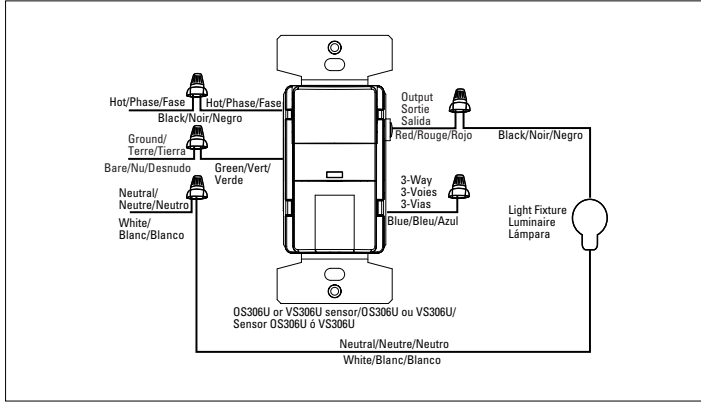


Diagram 1: Sensor in one location

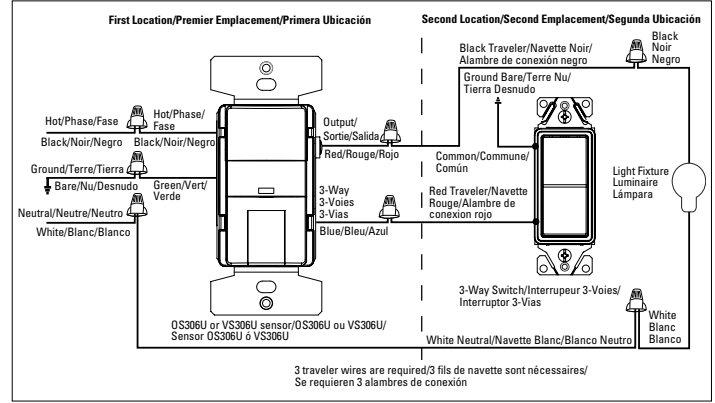


Diagram 2B: Sensor in one location with hot wire

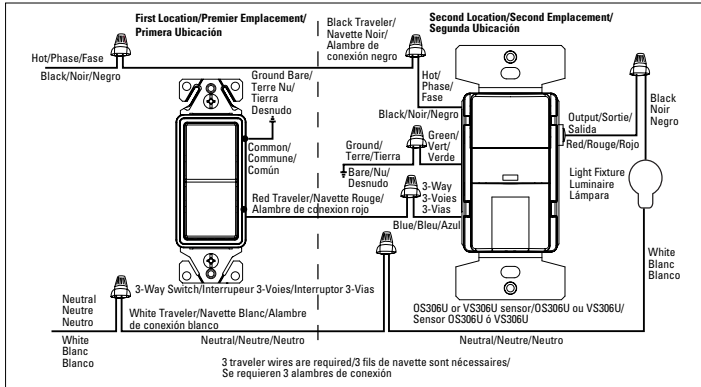


Diagram 2A: Switch in one location with hot wire

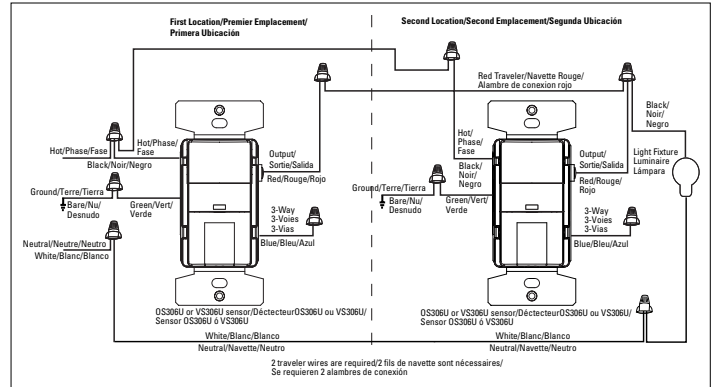


Diagram 3: Sensors in both locations

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Electrical Sector
203 Cooper Circle
Peachtree City, GA 30269
United States
Eaton.com
Eaton.com/arrowhart

Electrical Sector
Canada Operations
5925 McLaughlin Road
Mississauga, Ontario, L5R 1B8
Canada
EatonCanada.ca
Eaton.com/arrowhart

Electrical Sector
Mexico Operations
Carr. Tlalnepantla -
Cuautitlan Km 17.8 s/n
Col. Villa Jardin esq.
Cerrada 8 de Mayo
Cuautitlan, Mexico CP 54800
Mexico
Eaton.mx
Eaton.com/arrowhart