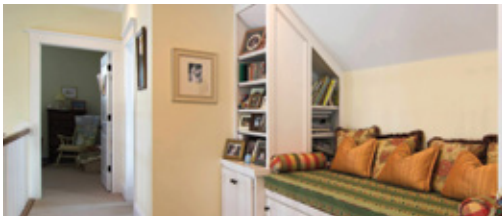


- Title 24 compliant occupancy and vacancy sensors are available for flexibility
- Single-pole & 3-way combined in a single unit in non-dimming sensor switches
- Sensors are available for the following light load types: incandescent/halogen, magnetic low-voltage, electronic low-voltage, fluorescent, compact fluorescent and LED
- Nightlights are dimmable plus have selectable ON/OFF modes
- Ambient light override feature keeps lights from turning on if sufficient light is already present for greater energy savings
- Color change kits available in most models for enhanced aesthetics
- Most sensors offer electronic ballast compatibility
- Dimming sensors and dual switch sensor models available
- Easily replaces a standard light or fan switch



Specific occupancy & vacancy sensor solutions for today's needs



Advanced energy savings

Step up to the next level in energy savings with occupancy or vacancy sensors that offer dimming capabilities for maximum ambiance control with the most energy savings.

See page A-34

Shown:
OS106D1-W



Integrated nightlights

Switches with integrated nightlights are ideal for children's rooms with a dimmable light level, selectable ON/OFF and operation independent of the sensing function.

See pages A-34, A-36

Shown:
OS310U-BK



Dual switch sensors

Dual relay sensors are the perfect solution for single point control of two loads from one location, offering even more energy saving opportunities and flexibility than ever.

See page A-35

Shown:
OS310R-V



Motion sensors

Product description

Single-pole & 3-way
600W/VA, 120V/AC

Incandescent/halogen, magnetic low-voltage, electronic low-voltage, fluorescent, compact fluorescent, LED



VS306U-W

Design features

- Passive infrared technology
- Replaces a standard light or fan switch
- Sensors provide up to 180 degree field of view and 450 sq. ft. of major motion coverage
- No neutral required for installation of device
- Can be wired as a single-pole or 3-way device
- Works with nearly all load types
- Selectable time delay of 5 seconds to 30 minutes for lights to remain on after room is vacated
- Occupancy sensor provides a selectable ambient light override preventing lights from switching ON when there is acceptable natural light
- Electrostatic discharge protection
- No leakage to load in OFF mode
- Compact housing fits easily into a standard wall box and is suitable for multi-gang installations
- Compatible with decorator-style wallplates and Aspire screwless wallplates
- High-gloss finish complements any decor
- Title 24 compliant (Only VS306U)

Motion sensors

Rating		Description	Color suffix	Catalog no.	TITLE 24
W/VA	V/AC				
600	120	Incandescent, halogen, fluorescent, MLV, ELV, LED, CFL occupancy switch sensor; single-pole/3-way; auto-ON	A, BK, GY, LA, V, W	<input type="checkbox"/> OS306U-__	
		Incandescent, halogen, fluorescent, MLV, ELV, LED, CFL vacancy sensor switch; single-pole/3-way; Title 24; manual ON	A, BK, GY, LA, V, W	<input type="checkbox"/> VS306U-__	•


Note: Sensors are rated for 120V/AC unless otherwise noted. cULus Listed to UL773A, file no. E191639

Color ordering information:

For ordering devices, include Catalog no. followed by the Color suffix: A (Almond), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)

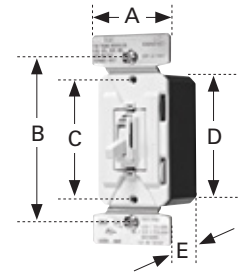
A	BK	GY	LA	V	W
(Almond)	(Black)	(Gray)	(Lt. Almond)	(Ivory)	(White)

Derating information: G-19 **Dimensional information:** A-43 **Specification information:** Please visit www.eaton.com/wiringdevices
Compliances, specifications and availability are subject to change without notice.

 Indicates Title 24 compliant - Page G-4

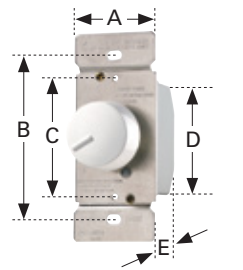
Toggle Dimmers

Family	A	B	C	D	E
600W dimmers (TAL06P1)	1.70" (43.2mm)	3.28" (83.3mm)	2.38" (60.5mm)	2.71" (68.8mm)	1.36" (34.5mm)
1000W dimmers (TI3101, TI3101L)	1.70" (43.2mm)	3.28" (83.3mm)	2.38" (60.5mm)	2.72" (69.1mm)	1.43" (36.3mm)
Fan speed controls (TFS15)	1.70" (43.2mm)	3.28" (83.3mm)	2.38" (60.5mm)	2.30" (58.4mm)	1.40" (35.6mm)



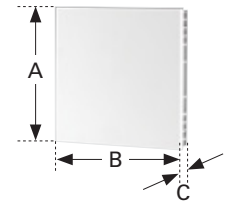
Rotary Dimmers

Family	A	B	C	D	E
600W dimmers (RI06)	1.70" (43.2mm)	3.28" (83.3mm)	2.38" (60.5mm)	2.20" (55.9mm)	1.30" (33.0mm)
1000W dimmers (RI101)	1.70" (43.2mm)	3.28" (83.3mm)	2.38" (60.5mm)	2.70" (68.7mm)	1.43" (36.3mm)
Combination dimmers & fan speed control (RDC15, RDC25)	1.63" (41.4mm)	3.81" (96.8mm)	3.28" (83.3mm)	2.70" (68.7mm)	1.46" (37.0mm)
Fan speed controls (RFS5, RFS15)	1.70" (43.2mm)	3.28" (83.3mm)	2.38" (60.5mm)	2.20" (55.9mm)	1.30" (33.0mm)



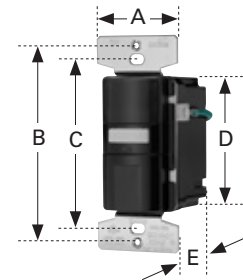
Dimmers: power extenders

Family	A (Height)	B (Width)	C (Depth)
Power Extenders (P19, PF19)	4.85" (123.2mm)	4.65" (118.0mm)	2.07" (52.6mm)



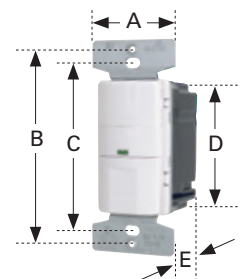
Occupancy & vacancy sensors

Family	A	B	C	D	E
Occupancy/vacancy dimmers (OS106, VS106)	1.80" (45.7mm)	3.81" (96.8mm)	3.21" (81.5mm)	2.59" (65.8mm)	1.40" (35.6mm)
Occupancy/vacancy dual switches (OS310R, VS310R)	1.80" (45.7mm)	3.81" (96.8mm)	3.21" (81.5mm)	2.59" (65.8mm)	1.40" (35.6mm)
Occupancy/vacancy switches (OS310U, VS310U)	1.80" (45.7mm)	3.81" (96.8mm)	3.21" (81.5mm)	2.59" (65.8mm)	1.40" (35.6mm)



Occupancy & vacancy sensors: standard series

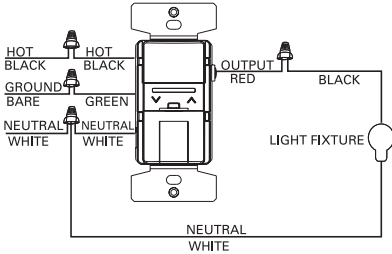
Family	A	B	C	D	E
(OS306U)	1.8" (45.72mm)	3.81" (96.8mm)	3.21" (81.5mm)	2.59" (65.8mm)	1.40" (35.6mm)
(VS306U)	1.8" (45.72mm)	3.81" (96.8mm)	3.21" (81.5mm)	2.59" (65.8mm)	1.40" (35.6mm)



Occupancy & vacancy sensors

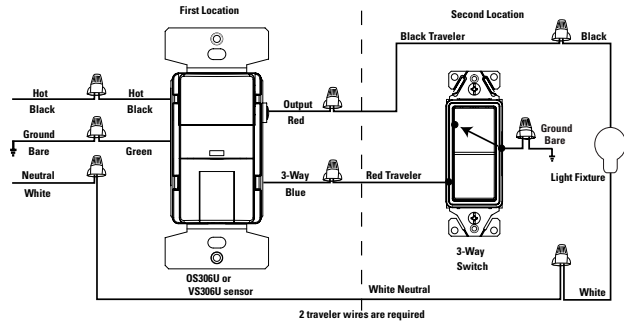
Sensor dimmer
OS106D1, VS106D1

INC, MLV
Single-pole



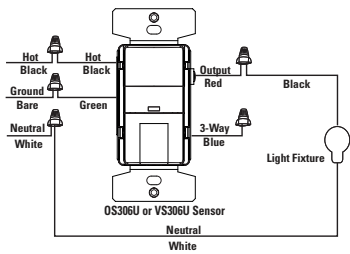
Standard sensor
OS306U, VS306U

INC, MLV, ELV, FLR, LED, CFL
3-Way with sensor in location with hot wire



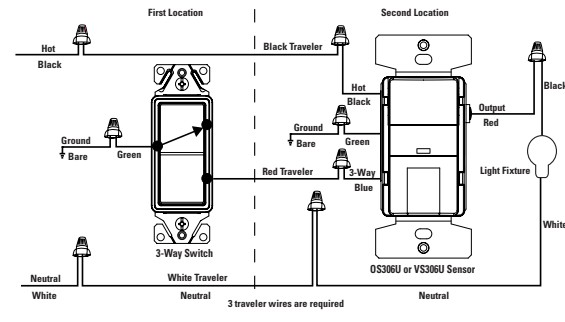
Standard sensor
OS306U, VS306U

INC, MLV, ELV, FLR, LED, CFL
Single-pole



Standard sensor
OS306U, VS306U

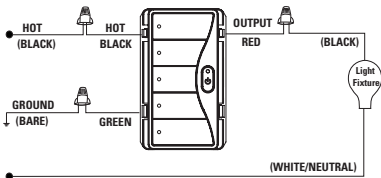
INC, MLV, ELV, FLR, LED, CFL
3-Way with switch in location with hot wire



Timers

Aspire, Electronic
Timers
9590, 9591, PT18M, PT18H

INC, MLV, ELV, FLR, LED, CFL
Single-pole

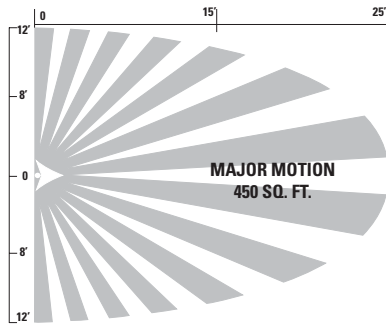


Occupancy & vacancy sensor coverage areas

Standard series

Sensor: OS306U, VS306U

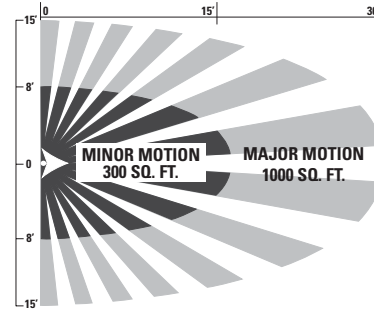
All load types



Sensor switch

OS310U, VS310U, OS310R, VS310R, OS106D1, VS106D1

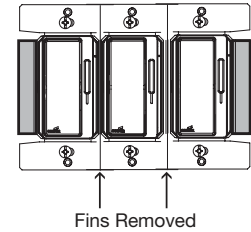
All load types



Ganging and Derating Dimmers

A typical dimmer is wider than a switch. This increased size helps the dimmer dissipate internal heat which is normal to operation.

Dimmers can be ganged together such that the space is the same as for switches. A portion of the fins (heat sink) must be removed. The fins are grooved to make the removal of fins easy with a pair of pliers. The removal of these fins reduces the wattage capacity (load) the dimmer can control. Derating information is provided in the "CORE Derating Chart". The dimmer can be loaded with the full derated capacity indicated.



Dimmer derating chart

Dimmers	Single-gang	Double-gang	Triple-gang or more
Toggle			
Incandescent	600W	600W	600W
Incandescent	1000W	900W	800W
Fully variable fan	5A	5A	5A
Rotary			
Incandescent	600W	600W	600W
Incandescent	1000W	900W	800W
Dual 4-speed/dimmer	2.5A / 300W	2.5A / 300W	2.5A / 300W
Dual 4-speed/dimmer	1.5A / 300W	1.5A / 300W	1.5A / 300W
3-Speed fan	1.5A	1.5A	1.5A
Fully variable fan	5A	5A	5A
Toggle w/preset			
Incandescent	600W	600W	600W
Magnetic low-voltage	600VA	600VA	600VA
Fluorescent	Refer to Spec sheet for more information		
Electronic low-voltage	600W	600W	600W
LED/CFL	300W	300W	300W
Slide			
Incandescent	600W	500W	500W
Incandescent	1000W	850W	650W
Magnetic low-voltage	600VA	500VA	500VA
Magnetic low-voltage	1000VA	850VA	650VA
Fluorescent	8.3A	6.6A	5.4A
Dual 3-speed/dimmer	1.5A / 300W	1.5A / 300W	1.5A / 300W
3-Speed fan	1.5A	1.5A	1.5A
Fully variable fan	5A	5A	5A
LED/CFL	300W	300W	300W
Decorator			
Incandescent	600W	500W	500W
Incandescent	1000W	800W	650W
Magnetic low-voltage	600VA	500VA	500VA
Magnetic low-voltage	1000VA	800VA	650VA
Electronic low-voltage	600VA	600VA	600VA
Fluorescent	8.3A	6.6A	5.4A
3-Speed fan	1.5A	1.5A	1.5A
LED/CFL	300W	300W	300W

Dimmers	Single-gang	Double-gang	Triple-gang or more
Electronic			
Incandescent	1000W	800W	800W
Magnetic low-voltage	1000VA	800VA	800VA
Fluorescent	8.3A	6.6A	6.6A
Electronic			
Incandescent	600W	550W	500W
Magnetic low-voltage	600W	550W	500W
Fluorescent	Refer to Spec sheet for more information		
LED/CFL	300W	300W	300W
Aspire slide			
Incandescent	600W	600W	600W
Incandescent	1000W	900W	800W
Magnetic low-voltage	600VA	600VA	600VA
Magnetic low-voltage	1000VA	900VA	800VA
Electronic low-voltage	600VA	600VA	600VA
Electronic low-voltage	1000VA	900VA	800VA
Fluorescent	8.3A	6.6A	5.4A
3-Speed fan	1.5A	1.5A	1.5A
Fully variable fan	5A	5A	5A
Aspire			
Incandescent	600W	600W	500W
Incandescent	1000W	800W	700W
Magnetic low-voltage	600VA	600VA	500VA
Magnetic low-voltage	1000VA	800VA	700VA
Electronic low-voltage	600VA	600VA	500VA
Electronic low-voltage	1000VA	800VA	700VA
Fluorescent	8.3A	6.6A	6.6A
Z-Wave wireless collection			
Incandescent	600W	600W	600W
Incandescent	1000W	800W	800W
Incandescent (no neutral)	600W	600W	600W
Incandescent (no neutral)	1000W	800W	800W
Magnetic low-voltage	600VA	600VA	600VA
Magnetic low-voltage	1000VA	800VA	800VA
Electronic low-voltage	600VA	600VA	600VA
Electronic low-voltage	1000VA	800VA	800VA
Fluorescent	1000VA	800VA	800VA
LED/CFL	300W	300W	300W
Dimming sensors			
Incandescent	600W	600W	600W
Magnetic low-voltage	600VA	600VA	600VA