

# Wallbox Lighting Controls

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



## SAVANT Sensor Dimmer Controls

Single-Pole  
600W/VA  
Incandescent, Halogen, Magnetic Low-Voltage

### SAVANT Occupancy & Vacancy Sensor Dimmer Controls



#### FEATURES

- Full-range Preset dimming control provided with horizontal dim/bright bar.
- Digital circuitry provides aesthetically pleasing soft-ON/fade OFF that extends bulb life.
- Preset and light level change is easily shown with horizontal row of green LEDs.
- Works with popular load types: Halogen, Incandescent and Magnetic Low-Voltage.
- Single green LED indicates load status, provides locator light in dark and blinks to indicate motion detection.
- LED serves as air-gap switch disconnecting power from load, forcing an OFF condition.
- Push pad design provides minimal travel and crisp actuation.
- Replaces a standard light or fan switch.
- Provides 180 degree field of view and 1000 sq. ft. of major motion coverage.
- Selectable time delay of 5 seconds (test), 5 minutes, 15 minutes and 30 minutes for lights to remain on after room is vacated.
- Walk-in-delay feature allows sensor to turn lights off without time delay when motion is detected briefly in room.
- Reverse Mode allows light to stay off in a room when motion is detected.
- Occupancy Sensors time delay default set to 5 minutes; Vacancy Sensors time delay default set to 30 minutes.
- Occupancy Sensor provides a selectable ambient light override preventing lights from switching ON when there is acceptable natural light.
- Occupancy Sensor Version allows to toggle between Auto-ON/Auto-OFF or Manual ON/Auto-OFF mode with a simple press and hold of switch.
- Occupancy Sensor provides for a bypass feature to allow the sensor to perform as a traditional switch (Manual ON/Manual OFF).
- Vacancy Sensor meets California 2008 Title 24.
- Electrostatic discharge protection.
- No leakage to load in off mode.
- Uniform color matched PIR lens to device housing.
- Color change faceplate kits provide for a simple in field change.
- Mid-Size decorator wallplate included with product.
- Neutral required for installation of device.

#### SAVANT Occupancy & Vacancy Sensor Dimmers, Wire Leads



Rating	For Lamp Type(s)	Description	Catalog No. Color Suffix
600W/VA 120V/AC	Incandescent, Halogen Magnetic Low Voltage	Occupancy Sensor & Dimmer with LEDs, Single-Pole	<input type="checkbox"/> <b>OS106D1-</b> ____ A, BK, GY, LA, V, W
600W/VA 120V/AC	Incandescent, Halogen Magnetic Low Voltage	Vacancy Sensor & Dimmer with LEDs, Single-Pole, Title 24 Compliant	<input type="checkbox"/> <b>VS106D1-</b> ____ A, BK, GY, LA, V, W
—	—	Color Change Kit	<input type="checkbox"/> <b>SCKD-</b> ____ <b>-BP</b> A, BK, GY, LA, V, W

#### Color Ordering Information

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

#### TESTING & CODE COMPLIANCE

- cULus Listed to UL244A & UL1472, file no. E325082
- NOM Certified
- Vacancy Sensor California Title 24 compliant

#### MATERIAL CHARACTERISTICS

- Environmental: Flammability meets UL 94 requirements; V2 rated
- Temperature Rating: 0°C to 40°C (32°F to 104°F)

# Wallbox Lighting Controls Specification & Performance Data

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## SAVANT Sensor Dimmer Controls

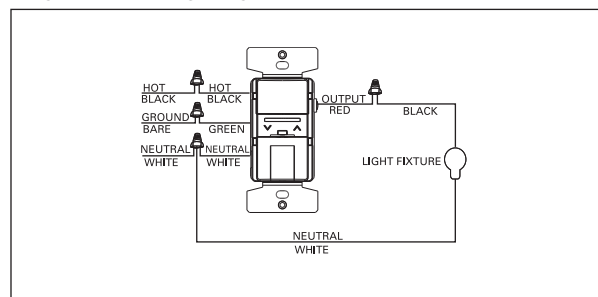
Single-Pole  
600W/VA  
Incandescent, Halogen, Magnetic Low-Voltage

### Application

SAVANT Dimmer Occupancy/Vacancy Sensors use advanced PIR technology to sense the movement of heat-emitting bodies. Occupancy Sensors provide Auto-ON/Auto-OFF or Manual-ON/Auto-OFF operation while Vacancy Sensors provide Manual-ON/Auto-OFF operation only (Title 24 2008 Compliant). The sensors automatically turn lights off after a space becomes vacant and a preset time delay elapses. Built-in dimmer provides preset full-range dimming of light load. A horizontal dim/bright bar with row of green LEDs provide intuitive control. Both versions provide Single-Pole (single-location) wiring and work with Incandescent and Magnetic Low-voltage lighting load types. All sensors are compatible with any decorator-style or decorator screwless wallplate.

	<b>Device Type</b>	<b>SAVANT Occupancy &amp; Vacancy Sensor Dimmers: OS106D1, VS3106D1 Series</b>
	<b>Wiring Type</b>	6" pre-stripped wire leads, #16 AWG
	<b>Testing &amp; Code Compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL244A &amp; UL1472, file no. E325082</li> <li>NOM Certified</li> <li>California Title 24 Compliant</li> </ul>
<b>Specifications: Environmental</b>	<b>Flammability</b>	Meets UL 94 requirements; V2 rated
	<b>Temperature Rating</b>	0°C to 40°C (32°F to 104°F)
<b>Specifications: Electrical</b>	<b>Rating</b>	120V/AC 60Hz, 1/6 HP
	<b>Light Intensity Control</b>	Full-range, continuously variable dimming
	<b>Dimming Performance</b>	Smooth and continuous Square Law Dimming curve Solid State Dimming
	<b>Surge Protection</b>	Meets ANSI/IEEE Std. C62.41-1980, tested to withstand voltage surges up to 6000V and current surges of up to 200A without damage
	<b>Radio Frequency Interference</b>	Designed to reduce interference with radio, audio and video equipment
	<b>Power-failure Memory</b>	Light returns to same level prior to power interruption
	<b>Lamp Ratings</b>	Incandescent, Halogen, Magnetic Low-Voltage
<b>Specifications: Mechanical</b>	<b>Wiring Types</b>	Single-Pole
	<b>LED Indicators</b>	Load status indicator, light level & locator
	<b>Air-Gap Switch</b>	Meets UL20 & UL1472 for inclusion of visible, accessible air-gap off switch
	<b>Voltage Ratings</b>	Permanently marked on device
<b>Materials:</b>	<b>Top Housing</b>	Polycarbonate
	<b>Bottom Housing</b>	Polycarbonate
	<b>Strap</b>	Aluminum
	<b>Form Factor</b>	Decorator
	<b>Finish</b>	Gloss

Single-Pole Wiring Diagram, INC/MLV



De-Rating Chart	600W Models		
	1-Gang	2-Gang	3-Gang
Incandescent	600W max.	600W max.	600W max.
Magnetic Low-Voltage	600VA max.	600VA max.	600VA max.

Specifications subject to change without notice.  
2-LCSVSPSH3-0410