

**5A, 125VAC
5VDC, 2.0A
Single pole, Dry contact**



Swidget™ Auxiliary Control Switch

The Swidget Auxiliary Control Switch is a modular Smart Home enabled wall switch that can be wired for single pole or dry contact applications. The modularity allows a multitude of different functional Swidgets to be installed, creating unique new Smart Home functionalities. Many of the Swidget Inserts can be used on their own, like a nightlight or USB charger, or they can connect to an ever-growing number of systems via Wi-Fi, Z-Wave or ZigBee protocols allowing you to control and monitor the switch. Inserts are safely and easily installed/removed from the body of the Swidget Auxiliary Control Switch without the use of any tools.

FEATURES

- Universal compatibility – user replaceable Swidget modules allow this to work with all wireless platforms, now or in the future.
- Plug and play Swidget features a wide range of function options spanning smart home and stand-alone applications that no other Smart Home platform can accomplish.
- User-safe, employing a certified Class 2 power output for the Swidget cavity.
- Future proof – with the removable Swidget inserts you can upgrade, move, and reconfigure without re-wiring.
- Single pole and dry contact wiring, compatible for lighting and fan applications.
- UP/DOWN buttons with capability for automation programming (Wi-Fi Inserts only).
- Complies with ASHRAE 62.2 when used with an ASHRAE 62.2 compliant fan / ERV / HRV.

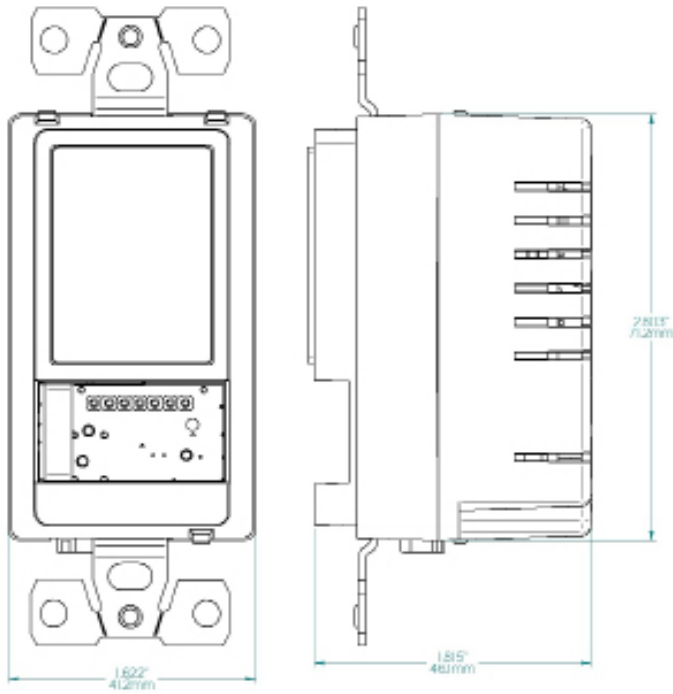
DESCRIPTION

The Swidget product line has been developed to support the easy integration of Home Automation and Smart Home markets with unique and flexible solutions. The Auxiliary Control Switch has the ability to allow interchangeable Swidget Inserts to be installed, removed or replaced - making Swidget the optimal choice for building renovations and new construction. The Swidget Auxiliary Control Switch uses a simple 4-wire interface, making installation simple for any single pole or dry contact application. Installation of a Swidget Insert turns this into a powerful and flexible Smart Home device. The interchangeability of the Swidget Inserts ensures that this will work with any of the Smart Home wireless systems now or in the future.

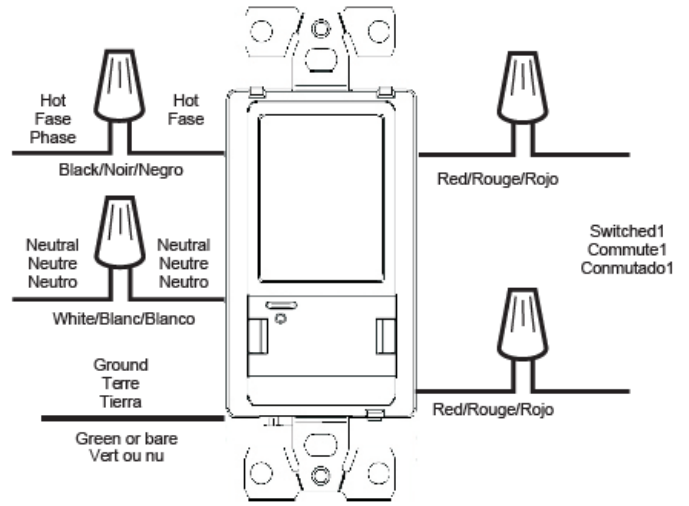
SPECIFICATIONS

Product Number	S16009WA (W=white)
Input Power Rating	125VAC, 5A
LED/CFL Load Rating Incandescent/Halogen Load Rating Horsepower Load Rating	300W 600W 0.3HP
Wiring Type	Pre-stripped wire leads (Line/Neutral/Switch) #16 AWG (Stranded), Ground screw
Switch Configuration	Single pole, dry contact
Testing and Code Compliance	UL1310/UL60730-1 CSA 22.2 #223/E60730-1 (Canada and US)
Flammability	UL94 5VA
Environmental	Indoor installation only
Operating Temperature	14F to 104F (-10C to 40C)
Insert Voltage Output	Nominal 5VDC (+/- 5%)
Insert DC Protection	CLASS 2 - Current limiting and thermal shutdown protection
Insert Current Output	Constant current maximum 2.0A

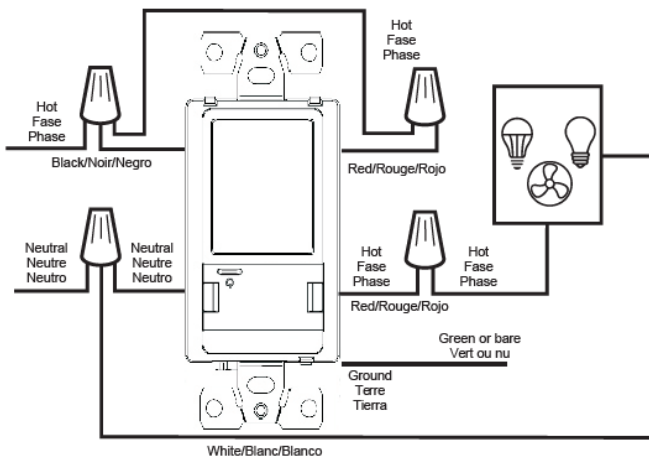
DIMENSIONS



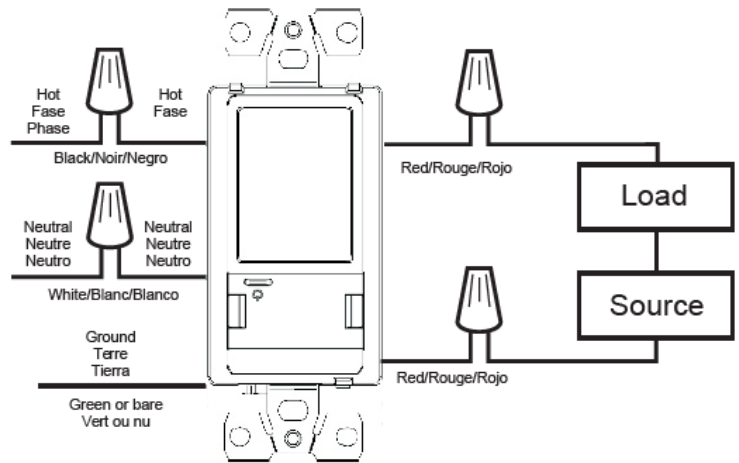
WIRING DIAGRAMS



Single Pole, Dry-Contact



Single Pole, 125VAC



Relay Load Connection

SALES

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<https://www.swidget.com>

REVISION HISTORY

Revision Number	Date	Comment
000	2021/03/01	Initial release

Swidget™ 15A Outlet

The Swidget Configurable 15A Outlet is a duplex 125VAC 15A modular Smart Home enabled device (NEMA 5-15R compliant). The modularity of the device allows for easy after-market installation of a Swidget Insert that can enable the wireless control and independent power monitoring of the receptacle, in addition to providing other sought-after functions like sensors, speakers or lighting.

FEATURES

- Universal compatibility – user replaceable Swidget Inserts allow this to work with all wireless platforms, now or in the future.
- Independent direct power monitoring for each of the two (2) receptacles.
- Plug and play Swidget Inserts feature a wide range of function options spanning Smart Home and stand-alone applications that no other Smart Home platform can accomplish.
- Future proof – with the removable Swidget Inserts you can upgrade, move, reconfigure receptacles without any re-wiring.
- User-safe, employing Tamper Resistant outlets and a certified Class 2 power output for the Swidget cavity.

DESCRIPTION

The Swidget product line has been developed to support the easy integration of Home Automation and Smart Home markets with unique and flexible solutions. The Swidget Outlet has the ability to allow interchangeable Swidget Inserts to be installed, removed or replaced - making Swidget the optimal choice for building renovations and new construction. The Swidget Outlet uses a simple interface, making installation easy. Adding a Swidget Insert turns the wired device into a powerful and flexible Smart Home device. The interchangeability of the Swidget Inserts ensure that the system can work with any existing or future Smart Home wireless system.

SPECIFICATIONS

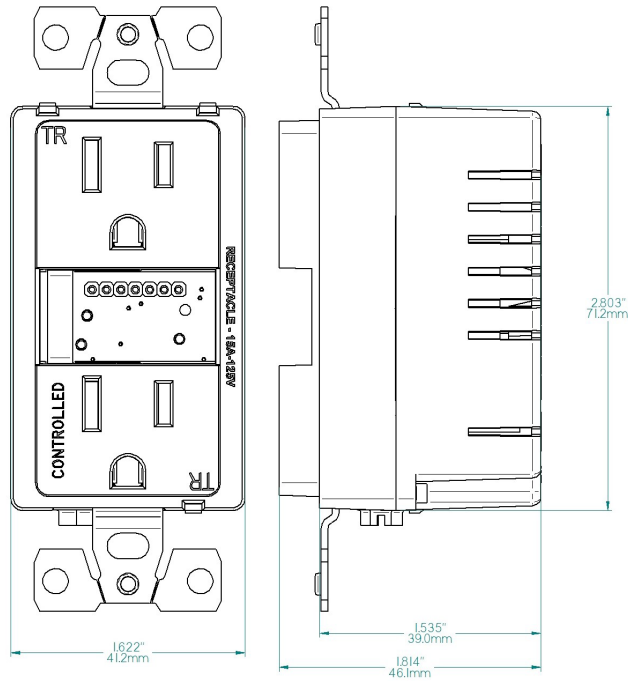
Product Number	R1015S (W=white)
Input Power Rating	125VAC, 15A
Outlet Receptacle Configuration	NEMA 5-15R
Resistive Load Rating	1800W
Motor Load Rating	0.5HP
Inductive Load Rating	8A@125VAC (PF 0.4)
Relay Mechanical Endurance Rating	1,000,000 cycles (or 274 years @ 10 cycles per day)
Wiring Type	Pre-stripped wire leads (Line/Neutral) #14 AWG (Stranded), Ground screw
Testing and Code Compliance	UL498 / UL1310, CSA C22.2 #42, #223 (Canada and US)
Flammability	UL94 5VA
Environmental	Indoor installation only
Operating Temperature	14F to 104F (-10C to 40C)
Insert Voltage Output	Nominal 5VDC (+/- 5%)
Insert DC Protection	CLASS 2 - Current limiting and thermal shutdown protection
Insert Current Output	Constant current maximum 2.0A



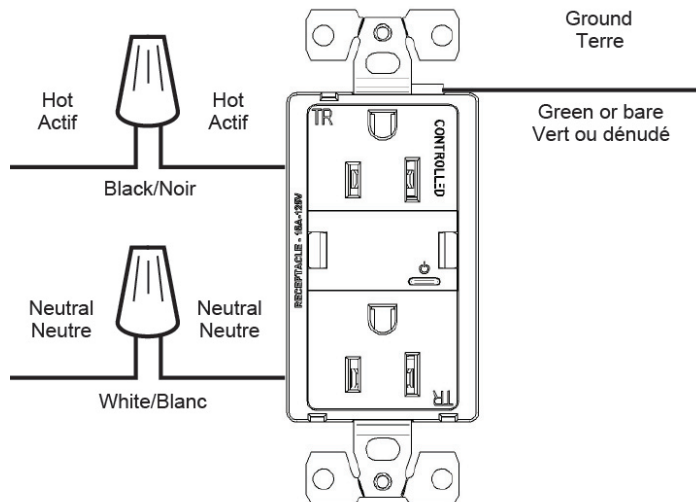
15A, 125VAC
5VDC, 2.0A
NEMA 5-15R



DIMENSIONS



WIRING DIAGRAM

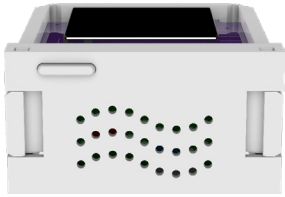


REVISION HISTORY

Revision Number	Date	Comment
000	2017/07/17	Initial release
001	2019/09/14	Post certification updates
002	2021/02/24	Name Change

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Swidget™ Wi-Fi Control + Air Quality Sensor

The Swidget Platform is a modular Smart Home enabled system comprised of Wall Switches and Outlets. The modularity of the base devices allows for easy after-market installation of a Swidget Insert that can enable the wireless control and power monitoring of receptacles and switches, in addition to providing other sought-after functions like sensors, speakers or lighting.

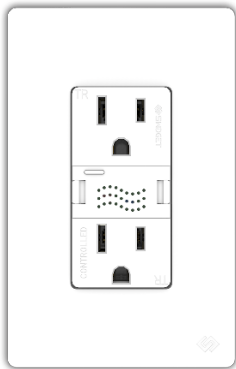
FEATURES

Wi-Fi-Control

- 2.4 Ghz Wi-Fi
- User replaceable – no electrician required
- Independent power monitoring on each circuit
- Works with Amazon Alexa, Google Assistant and IFTTT*
- OTA upgradeable firmware

Air Quality

- Measures the following key attributes known to contribute to air quality:
 - Temperature (14F to 104F or -10C to 40C)
 - Relative Humidity (0-100%)
 - Air Pressure Changes (300 - 1100hPa)
 - Calculated Total Volatile Organic Compounds (TVOCs: 0- 1000 ppb) based on IAQ
 - Calculated Equivalent CO2 (eCO2: 400 - 6000ppm) based on IAQ
 - Combined Air Quality Index (IAQ: 0 - 500) see Table



IAQ Index	Air Quality	Impact (long-term exposure)	Suggested action
0 – 50	Excellent	Pure air; best for well-being	No measures needed
51 – 100	Good	No irritation or impact on well-being	No measures needed
101 – 150	Lightly polluted	Reduction of well-being possible	Ventilation suggested
151 – 200	Moderately polluted	More significant irritation possible	Increase ventilation with clean air
201 – 250 ^A	Heavily polluted	Exposition might lead to effects like headache depending on type of VOCs	optimize ventilation
251 – 350	Severely polluted	More severe health issue possible if harmful VOC present	Contamination should be identified if level is reached even w/o presence of people; maximize ventilation & reduce attendance
> 351	Extremely polluted	Headaches, additional neurotoxic effects possible	Contamination needs to be identified; avoid presence in room and maximize ventilation

DESCRIPTION

The Swidget product line has been developed to support the easy integration of Home Automation and Smart Home markets with unique and flexible solutions. Designed to be integrated into all major Smart Home protocols, the Swidget Wi-Fi + Air Quality Sensor provides multiple functions. The Wi-Fi connectivity transforms the Swidget base device into a Wi-Fi enabled smart device.

Using the free Swidget App (available for Android and iOS), unlock your Swidget device to perform any number of tasks:

- Power On/Off your outlet
- Monitor your energy consumption
- Schedule devices to conserve energy
- Set multiple automatic notifications including when your power consumption is too high

The Air Quality Sensor is a multi-functional device that contain several measurements including temperature, humidity, air pressure and total volatile organic compounds which are all used to calculate total air quality and equivalent CO2 levels. When connected to a 2.4GHz Wi-Fi network, the sensor can relay this information to the Swidget app or various control systems, including Alexa and Google Assistant, for use in a variety of applications.

As all Swidget Inserts operate on the Class 2 certified interface, an electrician is NOT required for installation or removal.

SPECIFICATIONS

Product Number	WI008UWA (W=white)
Wireless Standard	Wi-Fi 802.11g
Wireless Band	2.4GHz
Device Compatibility	Amazon Alexa, Google Assistant and IFTTT*
Device Upgrades	OTA
Temperature Range	14F to 104F or -10 to 40C (+/- 1.8F or 1C {after calibration})
Relative Humidity Range	0-100% {+/- 5% RH}
Air Pressure	300 - 1100 hPa (+/-2hPa)
Calculated IAQ	0 - 500
Calculated TVOC	0- 1000 ppb (TBC)
Calculated eCO2	400 - 6000 ppm (TBC)
Environmental	Indoor installation only
Operating Temperature	14F to 104F (-10C to 40C)

REVISION HISTORY

Revision Number	Date	Comment
001	11/01/2020	Initial release

**3rd party integrations are controlled and managed by external service providers. Swidget makes no warranty that these services will continue to exist or be supported over the full life of the product.*

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