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
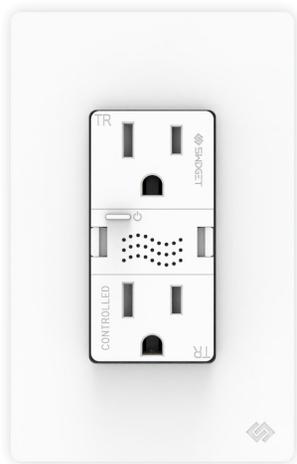
IAQ Index	Air Quality	Impact (long-term exposure)	Suggested action
0 – 50	Excellent	Pure air; best for well-being	No measures needed
51 – 100	Good	No irritation or impact on well-being	No measures needed
101 – 150	Lightly polluted	Reduction of well-being possible	Ventilation suggested
151 – 200	Moderately polluted	More significant irritation possible	Increase ventilation with clean air
201 – 250[9]	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.

Please direct warranty claims to Swidget Corp. by telephone at +1 (888) 814-2155, or by email at customersupport@swidget.com with subject **Warranty Claim**.