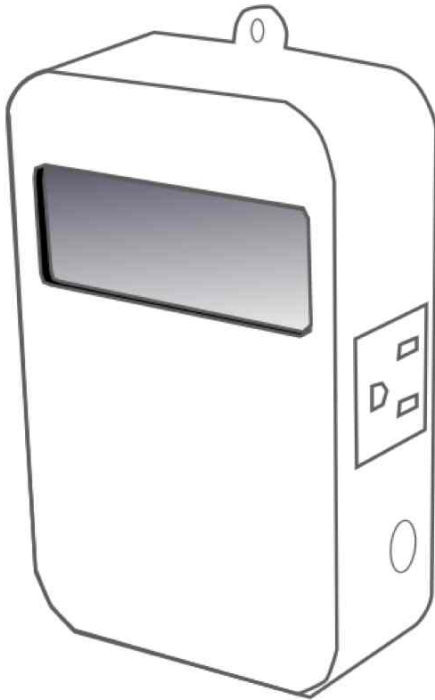**Qolsys** QUALITY OF LIFE

IQ SMART SOCKET

The Qolsys IQ Smart Socket is an intelligent Z-Wave outlet that not only provides the ability to turn devices on or off but measures their current and historical energy output from the built in LCD screen and from the IQ Panel interface.

PRODUCT FEATURES

- Provides two individually controlled outlets and green LED lights to indicate each power on. (Max current 15A or 1800W total)
- Separately measures energy consumed by two individual attached devices in real-time
- Displays individual outlet's power consumption and constant power rate
- Displays real-time power consumption per outlet
- Sends current power consumption to IQ Panel via Z-Wave radio
- Can be controlled remotely by IQ Panel, to switch each socket on and off or to configure the Smart Socket control parameters.
- Sends all configuration status information to the IQ Panel whenever manual button push configuration changes are made on the Smart Socket.
- Design includes three buttons, one at bottom of the device and two on the sides of the device
- Design includes one Smart Socket Control button on the bottom of the device that shall perform the following functions:
  - include/pair the smart socket to/from Z-Wave network & IQ Panel
  - locally reset and un-pair the smart socket to/from IQ Panel
- Design includes two side mounted Power Outlet Control buttons, one for each socket.
- Each button shall perform the following functions:
  - turn on/off each outlet
  - reset the meter data for each outlet
  - turn on LCD display and LED back light for both outlets
  - switch from kWh to Watts display units for each outlet
- Generate supervisory status signals and transmit to IQ Panel
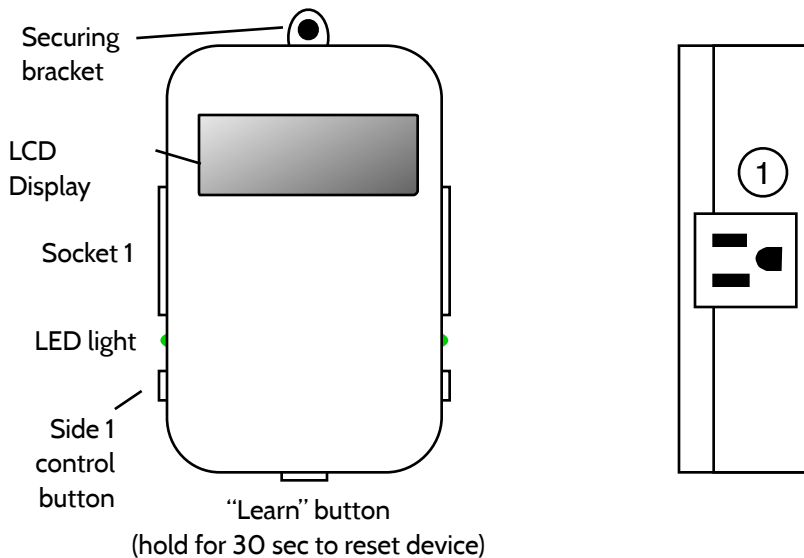
PARTS INCLUDED

1 IQ Smart Socket

Qolsys
QUALITY OF LIFE

HARDWARE OVERVIEW

The front of the Smart Socket has a multi-function LCD display that communicates the power measurements and status information to the user. There are two independent power outlet sockets, one on each side of the IQSmartSocket device. There are two green LED lights on the side of the device so that you may always know if the power is actually on for each of the sockets. The green light will be lit if the power to that socket is on and the light will be off if the power is off. Additionally, there are two Power Outlet Control buttons, one on each side of the IQSmartSocket, that provide control functions for each separate power outlet socket. These two buttons allow the user to manually toggle the power on / off for each separate outlet. The Power Outlet Control buttons also allow the user to change the power measurements and units.

The IQSmartSocket also has one additional button on the bottom of the device. This Smart Socket Control button allows the user to pair the Smart Socket with the IQ Panel. Additionally, this button allows the user to un-pair the IQSmartSocket from the IQ Panel and clear the device to enable re-pairing.

Securing bracket

LCD Display

Socket 1

LED light

Side 1 control button

"Learn" button
(hold for 30 sec to reset device)

LCD SCREEN

Each side of the display shows the cumulative power consumption value (kWh) or power rate value (Watts) of the corresponding outlet.

Indicates the power of smart socket is cut-off for one or more of the following reasons: total current reaches 17A which is 10% over designed maximum 15 Ampere, temperature exceeds 60°C, and/or voltage exceeds 140V or is less than 95V

Indicates that both of outlets are powered off.

•Indicates the device is paired with the IQPanel.

Z-WAVE TECHNOLOGY OVERVIEW

Z-Wave is a proprietary half-duplex wireless communications protocol designed for home automation. The technology uses a low-power RF radio embedded into home electronics devices and systems, such as lighting, home access control, entertainment systems and household appliances. The Z-Wave wireless protocol is optimized for reliable, low-latency communication of small data packets.

Operation Frequency	908.42(USA)
Modulation	BFSK/GFSK
Bandwidth	9.6 Kbps with a raise to 40Kbps fully interoperable
Range	Indoor (30m), "open air" condition (100m)
Operating Temperature	-35C–120C
Device Activated Time	5ms
Total Nodes in one Network	232

Qolsys
QUALITY OF LIFE

PAIRING THE IQ SMART SOCKET

To expedite the pairing process be sure to plug the IQ Smart Socket into an outlet near the IQ Panel. Once pairing is complete the IQ Smart Socket can be moved to any outlet within range.

1		From the home screen of the IQ panel, press the "Settings" icon	
2		Enter the installer passcode. Default installer passcode is 1111	

3		Select the "Installation" app	
4		Select the "Z-Wave Devices" app	

5		Select "Add Device"	
4		Press and release the button on the bottom of the device	
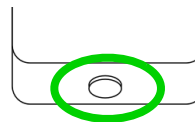
6		A chime will sound	
7		Click "Ok"	
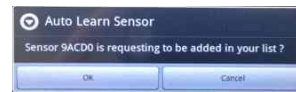
8

Sensor Id	D203A0
Sensor Type	Door/Window
Sensor Name	Custom Description
Chime Type	Chime 1
Sensor Group	10-Entry-Exit-Delay
Voice Prompts	On

Check the auto-populated fields to ensure accuracy. Change the settings as you see fit.

9

Our Front Door

Create custom names by selecting "Sensor name" and choosing "Custom description." A box will appear to the right. Selecting that box will open a keyboard, allowing you to type the name of your choice into the field.

10

Save

Click "Save" to complete the process

UN-PAIRING/RESETTING

- Plug in the IQSmartSocket somewhere near the IQ Panel

- On the IQ Panel, use the installer passcode to access the Z-Wave installation functions under Settings / Installation / Z-Wave Sensors.

- Press the "Clear Device" function on the panel

- Next, press the Smart Socket Control button (at the bottom of the IQSmartSocket) - for this function, the user must press the button for at least 50 milliseconds and not hold down the button for more than 2 seconds … otherwise the pairing signals will not be sent to the IQ Panel.

- The user next needs to go the IQ Panel to verify that the smart socket is unpaired (no longer in the list of Z-Wave devices that are in the system).

- User should now see that the pairing "Q" symbol should have disappeared, this means that the IQSmartSocket is now unpaired with the panel.
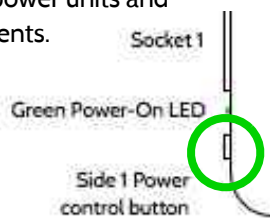
MANUAL RESET
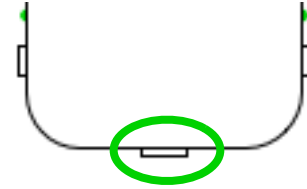
To reset the IQSmartSocket to factory settings simply press the "Learn" button and hold it down for at least 30 sec. The socket will clear the pairing information (but only on the smart socket itself, any panel pairing information on the panel will not be cleared with this function. The pairing "Q" symbol will disappear and the socket is now ready for re-pairing or to use manually.

CONTROL BUTTONS

The Power Outlet Control buttons will allow the user to change the displayed power units and measurements.

ENVIRONMENTAL

Operating Temperature: -10C~50C
Relative Humidity: 5-95% Non-Condensing
Storage Temperature: -40-80C

PHYSICAL SPECS

Smart Socket: 4.8H x 3.3W x 1.5D in.

AGENCY COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

This Class [B] digital apparatus meets all requirements of the Canadian Interference–Causing Equipment Regulations.
Cet appareil numérique de la classe [B] respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.

15.19
FCC & IC Statement:
FCC: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Statement: This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

IMPORTANT! Changes or modifications not expressly approved by Qolsys Inc. could void the user's authority to operate the equipment.

Document#: IQSS-IM-11-13
Revision#:11/18/13
Issue Date: NOV 2013
IQSMart Socket Product #: QS-2100-p01
Firmware : 2013_06_05_9D7C

Conforms to ANSI/UL Std. 498A
Certified to CAN/CSA Std. C22.2#42
Qolsys Inc. proprietary.
Reproduction without permission is not permitted.

ETL LISTED
Intertek