



The IQ Hardwire 8-S offers a cost effective way of integrating hardwired security zones with the IQ Panel. It includes backup battery charging and features end-of-line resistor learning, making rewiring different resistor values a thing of the past.

**Note: Not for use with life safety devices, such as Smoke or CO detectors**

IN THE BOX	TECHNICAL SPECIFICATIONS	INFORMATION
	<p><b>IQ Hardwire 8-S</b>                      Cover                      Antenna                      Power Supply                      4 Screws                      8 Resistors (3K)                      Battery cables</p> <p><b>Input Voltage:</b> 16.0VDC Plug-In Transformer  <b>Backup Battery:</b> 12VDC 5AH Max (optional)  <b>Dimensions:</b> 5.5" X 3.5"  <b>Operating Temperature:</b> 32 to 122F (0 to 50C)  <b>Humidity:</b> 95% RH Max  <b>EOL Supervision:</b> 1K to 10K Ohm  <b>Input Zones:</b> 8 (must have resistor)  <b>Zone Type:</b> N/O or N/C compatible</p>	<p>Document #: IQHW8SQG                      Revision Date: 7/31/17                      Qolsys Part #: QS7130-840</p> <div data-bbox="1149 701 1235 825"> </div> <p>Confidential &amp; Proprietary.                      Made in Taiwan.                      Full installation manual and other documentation available at Qolsys.com.</p>

## STEP 1: INSTALL THE HARDWARE

1. Mount the IQ Hardwire 8-S vertically in your desired location.
2. Install provided antenna into the "ANT" terminal at the top of the unit free from obstructions
3. Wire all hardwired sensors/leads into the terminals marked "Zone 1-8"
  - a. All sensors must have a resistor installed between 1k-10k Ohm in either the N/O or N/C position
4. Plug in a 5Ah Max backup battery with included battery leads (battery not included).
5. With provided transformer, connect power supply leads into the terminals marked +16.0V GND then plug in the IQ Hardwire 8-S power supply. (IMPORTANT: dashed wire is positive)



If mounting inside a metal can, the antenna must extend outside the enclosure to ensure RF communication

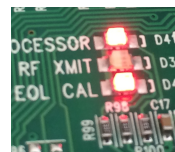
## STEP 2: PAIRING INDIVIDUAL ZONES/SENSORS



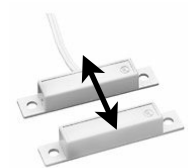
Place your panel in "auto learn" mode



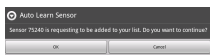
Press and hold "EOL Learn" for 1-2 secs. (all Zone LED's flash and then turn off)



EOL Cal LED will turn ON. This puts the module into "Enroll Mode".



Trip (Open/Close) each hardwired zone one at a time



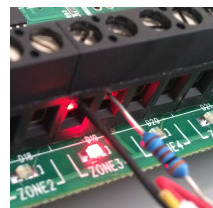
The IQ Panel will "chime" indicating it has found a new sensor. Touch "Okay" to proceed.



Customize sensor type and settings as desired. Repeat for each zone.



When a sensor has been tripped, the resistor value is calibrated and the Zone LED will illuminate and stay on until you exit enroll mode.



Once all desired zones have been learned, press the "EOL Learn" button to exit "Enroll Mode". The EOL Cal LED will turn OFF indicating you are no longer in "Enroll Mode" and all zone LED's will turn OFF.



## TROUBLESHOOTING

**EOL LEARN Button:** To enter and exit "Enroll Mode" and calibrate resistor values

**MEMORY RESET Button:** Clears memory and resets the device to factory defaults

**PROCESSOR LED:** Flashes during normal operation

**RF XMIT LED:** Flashes when RF transmission is being sent

**EOL CAL LED:** Flashes when EOL resistors are not calibrated or when no zones have been learned in. ON when device is in "Enroll Mode". OFF when device is in "Normal Operation Mode"

**ZONE LED:** Flashes several times when EOL Cal button is pressed. OFF while in "Enroll Mode" unless a zone has been learned in or tripped, then ON. OFF while in "Normal Operation Mode" unless a zone is open, then ON.

**How to Clear the Memory:** Power down the unit by unplugging the battery leads and the power supply. Hold down "Memory Reset" for 3 seconds while re-applying power to the device. Processor, RF Xmit and EOL Cal LED's will begin to flash indicating that the module has been reset.



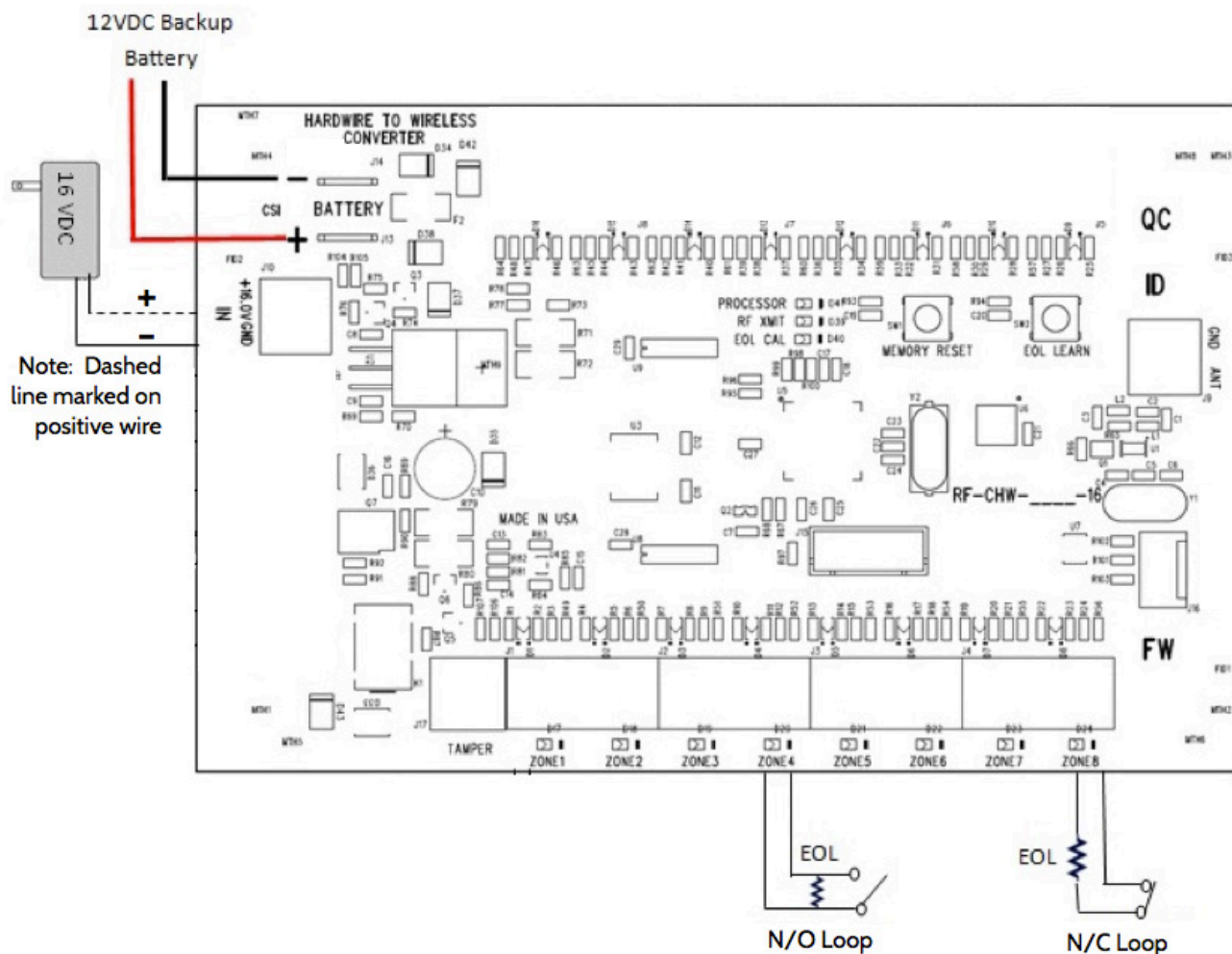
## NEED MORE HELP?

CONTACT TECH SUPPORT

(855) 4-QOLSYS

[TechSupport@Qolsys.com](mailto:TechSupport@Qolsys.com)

## WIRING DIAGRAM



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FCC ID: 2ABBZ-RF-CHW-ITI-S

IC: 11817A-RFCHWITIS

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.