



Wireless Security Solutions



RE308 Hardwire to Wireless Takeover Translator™, DSC-Compatible

Features

- Converts hardwire zones into DSC-compatible wireless signals.
- 8 Hardwire loops with end-of-line resistor detection.
- Unique wireless ESN for each Translator loop, plus 1 for main device.
- Transmit diversity for long reliable range.
- PIR powering (via external supply).
- 3 year operation on batteries (contacts only).
- Complete supervision of zone tamperers and low battery.

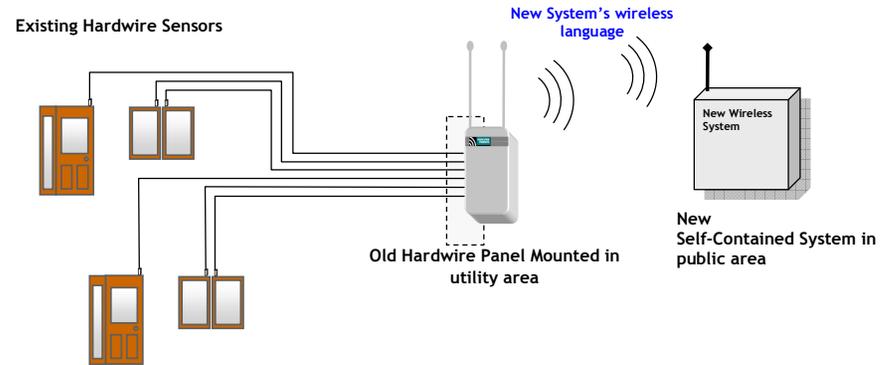
Key Instructions

- Translator is for use with DSC Self Contained and Alexor systems that have "Wireless Enrollment Mode".
If using the Translator with an earlier DSC System, please call Resolution Tech Support, and we will help you determine the IDs to plug in.
- Use with normally closed contacts in-line with 4.7 K-ohms end-of-line resistors.
- Not for use with life safety devices, such as Smoke or CO sensors.
- External supply requirements (wall-AC): 12V DC at least 50 mA.
- PIR & Glassbreak (powered devices) usage:
 - 4-wire devices only. Not for use with 2-wire powered devices.
 - 2 AA back-up batteries will drive contacts only, and cannot drive a PIR.
 - Under external supply failure, the PIR/Glass would likely alarm.
 - If using PIR/Glass, we recommend using 12V DC, 24-hour back-up supply.
 - If using old panel 12V DC supply, verify operation and old battery.
- Enrolling:
 - Sensor enrollment:
 1. Enter **Wireless Enrollment Mode** on DSC Panel.
 2. Open each loop to initiate enrollment.
 3. **Confirm ESN**, **Enter Zone #** and **Zone Type** on DSC panel.
 - Main Translator device enrolled into panel by its tamper switch. Zone Type 03 will monitor Tamper, Low Battery and Supervisions.

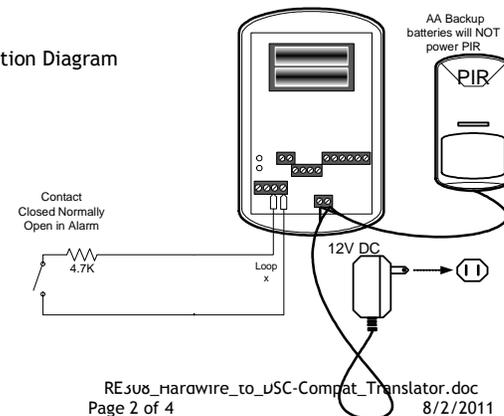
Operation

- 8 Hardwire 4.7K-ohm Zones - transmit 8 unique wireless IDs:
Alarm, when Device sees open circuit.
Tamper, when device sees short circuit.
Supervisories, every hour for each zone.

- Translator Main Zone wireless transmission (9th unique ID):
Tamper, when cover opened.
Low battery, when either low AA batteries, OR loss of 12V DC external. Supervisory every hour.
- LED Operation
Green LED: On if AC power present.
Red LED: When 12V DC is present: "Blinks" on transmit to panel; "on" if device tamper or device low battery.
- Application Diagram



Connection Diagram

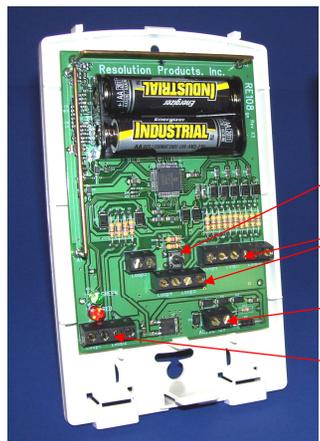


Specifications

DSC Device Type:	2 (all 8 zone ESN's and device ID)
Electronic Serial Numbers:	Last digit = Translator Loop # [0 = Module]
Zone sensing duration:	State sensed if held more than 600ms.
End-of-line Resistors:	4.7k-ohm, 5%.
Max wire run:	1000 feet
Backup batteries:	Two AA Alkaline.
External supply:	12V DC, at least 50mA.
Current draw with supply:	4mA, normal operation.
PIR usage:	PIR may need tight voltage tolerance. Add PIR and device current requirements together to get total current need.
AC Fail Conditions:	External 12VDC gone for 15 minutes. Restores on external 12VDC restore.
Device Low Battery Conditions:	Low battery for 1 minute. Restores on device tamper, external 12VDC restore.
Back-up Battery Life on AC Fail:	2 years, all zones terminated in 4.7K; longer if unused/open.
Housing dimensions:	4x6x1 inches

Specifications subject to change without notice.

Internal Picture



Tamper / Enroll Switch

Terminals for Zones 3-8

Power Terminals

Terminals for Zones 1, 2

Notices

“GE”, “Honeywell”, and “DSC” are trademarks owned by General Electric Company, Honeywell International Inc., and Tyco Safety Products Canada LTD, respectively.

Resolution Products, Inc. products will function with one of either GE, DSC or Honeywell systems. However, no Resolution product is produced by, endorsed by, nor is officially associated with GE, Honeywell or DSC. Resolution recommends verifying operation at installation.

Do not use Translator for life safety devices, such as smoke or CO sensors.

Warranty

Resolution Products, Inc. will replace products that are defective in their first year.

FCC Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the Resolution Engineering, Inc. could void the user's authority to operate this equipment.

FCC ID: U5X-RE308

IC Notice

This device complies with Industry Canada license-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 d'Industrie Canada RSS standard exempts de licence. Son fonctionnement est soumis aux deux conditions suivantes:

1. Ce dispositif ne peut causer des interférences, et
2. Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

IC: 8310A-RE308