



Wireless
Security
Solutions



RE108 Hardwire to Wireless Takeover Translator, GE-Compatible

Features

- Converts hardwire zones into GE-compatible wireless signals.
- 8 Hardwire loops with end-of-line resistor detection.
- Unique wireless ID (or loop) for each zone, plus 1 for main device.
- Transmit diversity for long reliable range.
- PIR powering (via external supply).
- Back-up battery operation.
- Complete supervision of tampers, external power supply fault and low battery.

Key Instructions

- Use with normally closed contacts in-line with 4.7 K-ohms end-of-line resistors.
- 4-wire PIRs only.
- External supply: 7-14V AC or DC at least 50 mA.
- PIR usage: Adds requirements to external supply - see Specifications.
- 2 AAA Alkaline batteries are for backup in case of external supply failure. Backup batteries cannot drive the PIR.
- Enrolling:
 - Loops enrolled by tampering (shorting).
 - Main device enrolled by tamper switch on the board.

Operation

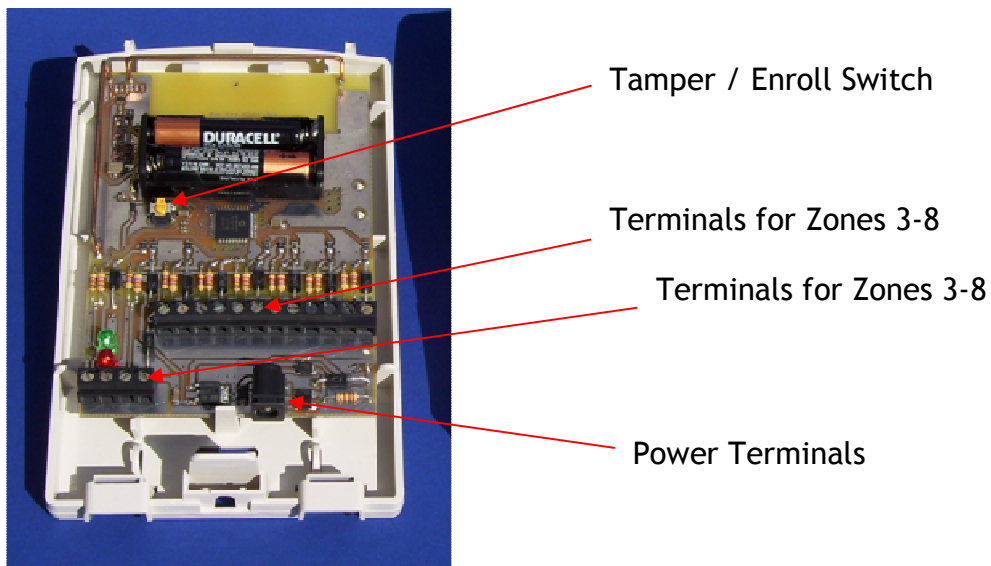
- 8 Hardwire Zones wireless transmissions (8 unique IDs):
 - Alarm, when Device sees open circuit.
 - Tamper, when device sees short circuit.
 - Supervisories, every hour for each zone.
- Translator Main Zone wireless transmission (9th unique ID):
 - Tamper, when cover opened.
 - Low battery, when either low AAA batteries, OR loss of AC.
 - Supervisory every hour.
- LED Operation
 - Green LED: On if AC power present.
 - Red LED: On if device tamper or device low battery

Specifications

GE Device Type:	10 (all 8 zone ID's and device ID)
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 AAA Alkaline.
External supply:	7-14V AC or DC, at least 50mA.
Current draw with supply:	4mA, normal operation.
PIR usage:	Supply must be DC only. PIR may need tighter voltage tolerance. Add PIR and device current requirements together to get total current need.
AC Fail Conditions:	AC gone for 15 minutes. Restores on AC restore.
Device Low Battery Conditions:	Low battery for 1 minute. Restores on device tamper, AC 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



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.

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-RE108

IC Notice

This product meets the applicable Industry Canada technical specifications/Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

IC: 8310A-RE108