



Hardwired-to-SiX Wireless Converter

PROSIXC2W

The PROSIXC2W Hardwired-to-SiX Wireless Converter enables retrofitting existing 12-volt security systems by converting their wired sensors to SiX™ wireless technology. In addition, it can be used in new construction installations that have been fitted with hardwired systems. Converting existing wired zones to wireless saves on installation cost, time and materials since there is no need to replace wired devices with individual transmitters.

PROSIXC2W is simple to install and extremely flexible. It can power wired PIRs, and the included power supply is backed up with a standard rechargeable battery.

One button calibration automatically configures PROSIXC2W by learning what zones are in use.



Set-up is a three step process:

1. Mount and wire the module
2. Calibrate/activate the module zones
3. Enroll the module's wireless zones into the control panel

FEATURES AND BENEFITS

- Reduce installation cost, time and material
- 8 hardwired zones with end-of-line resistor protection – use with existing contacts, PIRs, glassbreaks and other 12V sensors. Not for use with fire, heat or CO sensors. It is recommended that any existing smoke, heat or CO detectors be replaced with new SiX Series detectors.
- One-button calibration/activation of zone inputs
- SiX technology MAC ID numbers are automatically assigned to activated zones
- Power supply included to power PIRs. 12V 4AH battery provides four hours of standby. Low battery supervision and notification.
- Case and wall tamper switches
- Complete supervision of transmitters, zone tampers and low battery
- Module can be mounted next to the control panel being replaced, or relocated if necessary to maximize wireless range

PROSIXC2W Hardwired-to-SiX Wireless Converter Technical Specifications

TECHNICAL SPECIFICATIONS

COMPATIBILITY:

All ProSeries control panels

ZONE RESISTANCE:

1K up to 10K (Auto-sensing)

FREQUENCY: 2.4 GHz

POWER REQUIREMENTS/BATTERY:

5VDC

AUXILIARY POWER: 12VDC/100mA

BATTERY BACKUP: Yes

VOLTAGE:

Power Supply: P/N 300-10259

Input Voltage: 100–240 VAC, 50–60 Hz

Operating Voltage: 5 VDC

Maximum Transformer Distance:

9.8 ft. (3m)

Voltage Output: 12 VDC @ 100mA

(Up to three sets of 20–24 gauge wiring)

Battery/Pile: P/N 300-10342

OPERATING TEMPERATURE:

32° to 122° F/0° to 50° C (Agency Compliance 32° to 120° F/0° to 49° C)

OPERATING HUMIDITY:

95% max. (Agency Compliance 93% max.) non-condensing

PHYSICAL:

Dimensions: 7.0" (178mm) L x 4.5" (114mm) W x 1.5" (38mm) D

Mounting Hardware:

Double stick tape and screws

Zone Resistance:

1K to 10K Ohm EOL Resistors

Zone Wiring: 1,000ft (each zone)

RADIO FREQUENCY:

Transmission Range: 300 ft. (91.5m)

LED STATUS INDICATORS:

Input power

INPUT ZONES (EIGHT HARDWIRED):

All zones that are used must have an EOL resistor

APPROVALS:

FCC/IC

ETL US Listed to UL 1023

cETL Listed to ULC-C1023

Other Standards: RoHS

AUTHORIZED COUNTRIES:

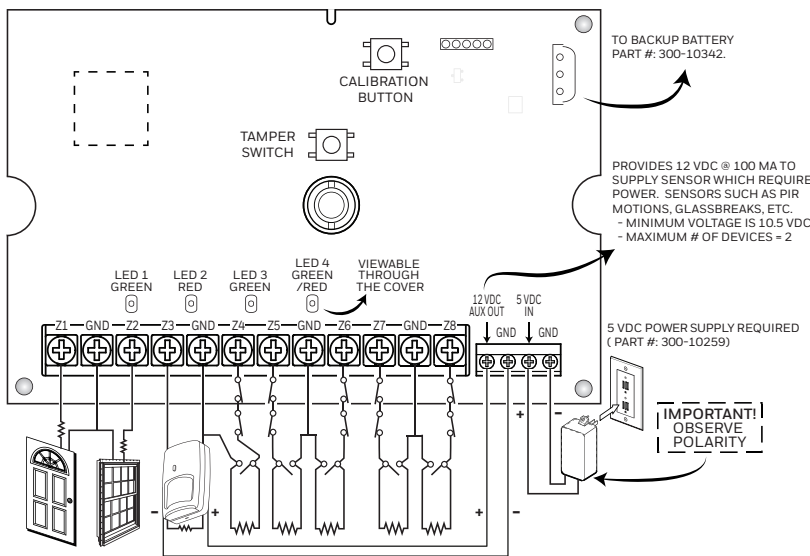
US, Canada, Latin America

TAMPER/LOW BATTERY REPORTING:

The PROSIXC2W reports this condition to the control if a low battery or tamper condition exists on the module. This is shown as a trouble on the control

IMPORTANT:

The first battery test occurs 1 hour after power up. To quickly verify a good backup battery, unplug and then plug back in the power supply; the system will perform a battery test within 1 minute.



Maximum Distance Between the Power Supply and PROSIXC2W

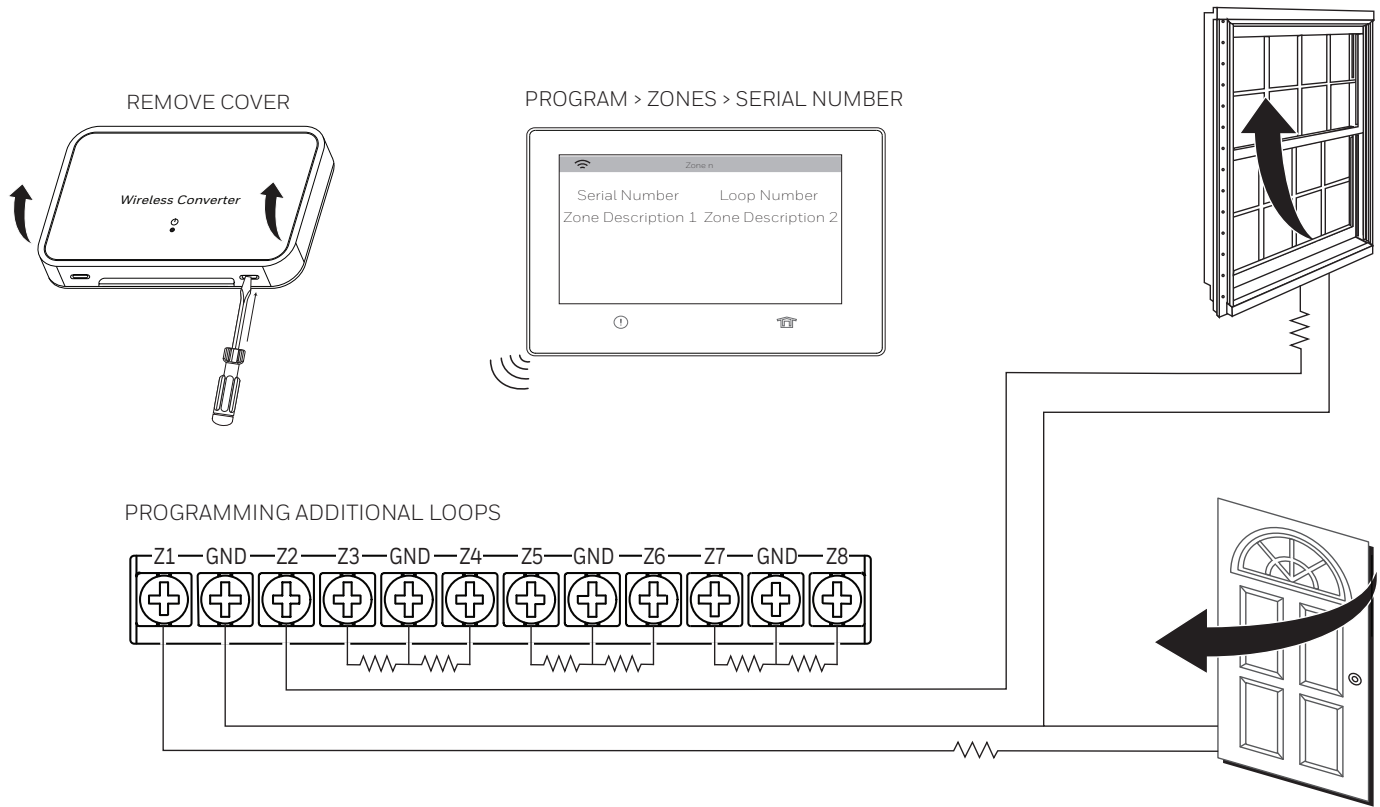
WIRE GAUGE	WIRE LENGTH
#18	350ft (106.7m)
#20	200ft (60.9m)
#22	125ft (38.1m)

NOTE: Not to be used with fire, heat, or CO detectors.

LED STATUS TABLE

LED #	FUNCTIONS
1 (Green)	Blinks once upon RF signal transmission (HW zone trigger/tamper and/or a fault message) and a slow blink for a cover tamper
1 (Green)	Quickly blinks during the enrollment/deletion process
2 (Red)	Blinks 1s/1s off when module needs calibrating
3 (Green)	Steady on when the module has been calibrated.
4 (Green and Red)	Green: 5 VDC power from the plug-in transformer is present Red (blinking 1sec on/1 sec off @ 1Hz each): Running on battery, DC power not present

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NOTES:

- All zones that are used MUST have an EOL resistor.
- If the existing installation zones have EOL resistors (from 1k to 10k ohms) they may remain.
- EOL resistor values must be from 1k to 10k ohms.
- For a NC loop without an EOL resistor, you must add one in series with the loop.
- For a NO loop without an EOL resistor, you must add one in parallel (across) the loop.
- Preferably it should be located at the end of the loop furthest away from the control panel.

ORDERING

PROSIXC2W

Hardwired to SiX Wireless Converter

For more information

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