

5800C2W

HARDWIRED TO 5800 WIRELESS CONVERTER



The Honeywell 5800C2W Hardwired to 5800 Wireless Converter enables retrofitting existing 12-volt security systems by converting their wired sensors to Honeywell's 5800 Series wireless technology. Its ideal uses are to upgrade hardwired systems to LYNX Touch systems to provide connected home and business functionality, or upgrade to LYNX Plus for traditional security. 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.

Honeywell's 5800C2W 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 5800C2W 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

- Nine hardwired zones with end-of-line resistor protection – use with existing contacts, PIRs, glassbreaks and other 12V sensors
 - Not for use with fire or heat sensors
 - It is recommended that any existing smoke, heat or CO detectors be replaced with new Honeywell 5800 Series detectors
- One-button calibration/activation of zone inputs
- 5800C2W wireless zones enroll in the control panel like any other 5800 Series device
- 5800 Series serial numbers 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 tamper switch
- Complete supervision of transmitters, zone tampers, low battery
- Module can be mounted next to the control panel being replaced, or relocated if necessary to maximize wireless range

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SPECIFICATIONS

Dimensions

- Length 178mm (7.0 inches)
- Width 114mm (4.5 inches)
- Depth 38mm (1.5 inches)

Mounting Hardware

- Double stick tape and screws included

Operating Temperature

- - 10°C to +60°C (+14°F to +140°F)

Humidity

- 95% RH Max

Transmission Range

- Up to 91 meters (300 feet)

Operating Voltage

- Supplied by plug-in power supply (15.5VDC @ 1A)

Battery Backup (not included)

- Use 12V, 4AH battery such as Honeywell 467, Yuasa NP4-12, Casil CA1240 or equivalent. Provides four hours of backup. Battery is to be located in the existing control panel. DO NOT use batteries of larger capacity.

Tamper Detection

- Activated when the cover is removed

5800C2W Supervision

- Low battery
- Backup battery power
- Each enrolled zone transmits a supervisory message every 72 minutes

LED Status Indicators

- Input power
- Backup power
- Wireless transmission

Input Zones (Nine Hardwired)

- All zones that are used must have an EOL resistor

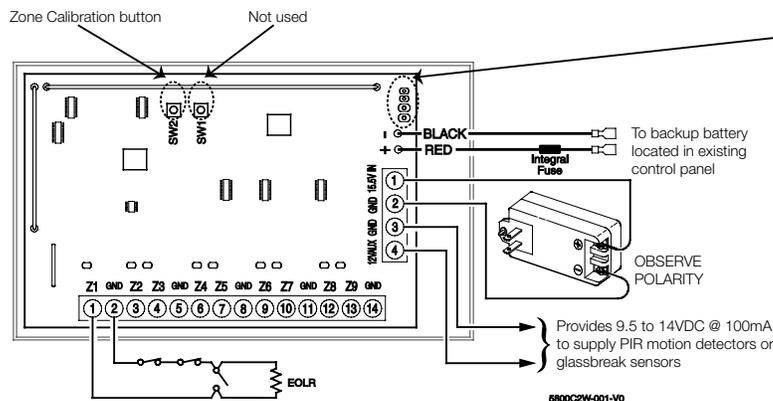
Auxiliary Output (12VAUX)

- Provides 9.5 to 14VDC @ 100mA to supply PIR motion or glassbreak sensors

Agency Listings

- ETL Listed to UL 1023
- cETL Listed to ULC-C1023

Application Diagram



Zone 1 of 9 shown wired.

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

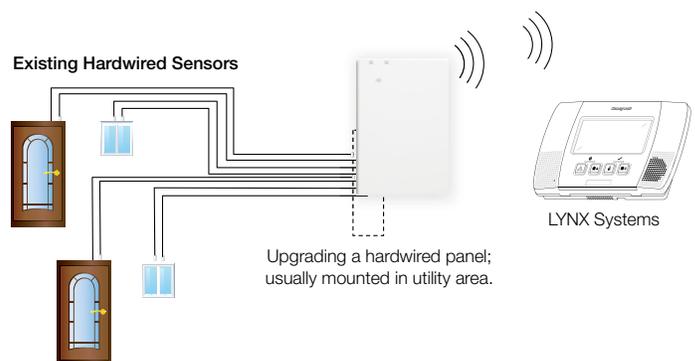
5800C2W	Hardwired to 5800 Wireless Converter
5800C2WCN	Hardwired to 5800 Wireless Converter (Canada)

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LED	Function Note: LEDs are shown as they appear on the circuit board.
#1	Red (blinking) – Module needs calibrating. Green – Module is calibrated.
#2	Green – DC power (15.5VDC, + /- 5%) from the plug-in transformer is present. Red – DC power is NOT present.
#3	Yellow – Low battery or No battery. When the battery voltage drops below 11.2VDC, a low battery message is sent to the control panel and LED 3 turns yellow. When the battery voltage drops below 10.3VDC, the battery is disconnected. The battery will not connect again until AC is restored.
#4	Green (blinking) – RF signal transmission.



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