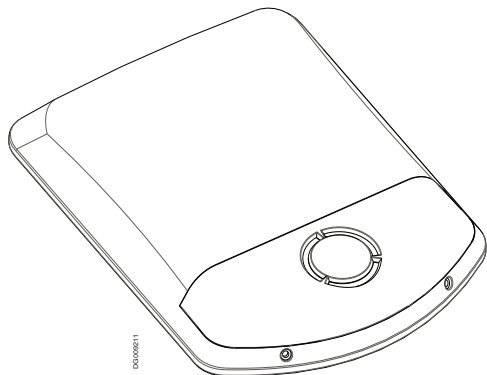


WT4911 / WT8911 v1.0

Installation Instructions, Instructions d'installation, Instrucciones de instalación, Instruções de Instalação, Istruzioni di installazione, Installatiehandleiding, Installationsguide, Installasjonsinstruksjoner, Installationsvejledning, Pokyny k instalaci, Instrukcja instalacji, Asennusohjeet, 安装指南



**English, Français, Español
Português, Italiano, Nederlands
Svenska, Norsk, Dansk, Český
Polski, Suomi, 中文**

NOTE: The siren is listed for UL/ULC Residential Burglary applications and it is intended to annunciate only burglary alarm tones. The siren will sound a dual frequency sweeping tone for burglary alarms. Carbon Monoxide and Fire signal annunciation use have not been evaluated by UL/ULC. The LED strobe light is not intended for Hearing Impaired signaling.



CLASS 1.20
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DSC[®]



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WT4911/WT8911 Two-Way Wireless Outdoor Siren – Installation Instructions

Use this installation sheet along with the associated alarm system installation manual for installation instructions and programming details. All instructions specified within that manual must be observed. The WT4911/8911 is a two-way wireless outdoor siren. Siren sounds and the strobe light are activated when an alarm condition is received via DSC wireless protocol from a compatible, two-way enabled security panel (e.g., PC9155). The WT4911/8911 must be enrolled on the security panel before it can receive commands from the panel for sounding alarms, strobe activation and communicating a required response, such as the WT4911/8911 status or the local outdoor temperature. The outdoor siren is capable of sounding different alarm cadences (e.g., carbon monoxide, continuous burglary, pulsating fire, or temporal three fire), and bell squawks to suit the type of command it receives. Up to four WT4911/8911 can be enrolled on the same security panel and supervised as separate units. To ensure two-way contact between the siren and the security panel, the WT4911/8911 regularly sends supervisory signals to the security panel. With each supervisory signal sent to the panel, the siren provides the outdoor temperature. In addition, the WT4911/8911 monitors for the case and wall tamper switch status, and the battery state. In the event of a low battery or a tamper activation, the WT4911/8911 will transmit the appropriate signal to the security panel, and (if configured) provide an audible and visual indication that a local event has occurred. **NOTE: For UL/ULC listed applications the siren sounds a continuous tone.**

Specifications

Humidity (max): 93% R.H.	Operating Temperature: -40°C to 70°C (-40°F to 158°F)
Operating Frequency: 433.92 MHz, 868 MHz (WT8911 only)	Temperature Range for UL/ULC: -40°C to 66°C
Battery Life: 3 years typical usage	Weight: 1.8lbs and IP Rating: 34
Alarm Signals-Output Level: >>=85dB @ 3m	Alarm Signals-Output Level: For CE ~100dB@ 1m
Battery: D size 3.6V Lithium Thionyl Chloride (ER34615M-1T, Able) (DSC ordering number, WT4911-BATTERY)	
Compatible control panels: PC9155-433/868, PC9155D-433/868, PC9155G-433/868 (-868 for WT8911 only) Only model WT4911 is UL and ULC listed for residential burglary applications	

NOTE: Battery life has not been evaluated by UL and ULC

Powering up the WT4911

The WT4911 contains a battery that includes a feature called "passivation". This feature preserves the shelf life of the battery when it is not being used. Every WT4911 will need to be "depassivated" before using the outdoor siren for the first time.

NOTE: Make sure to follow the steps below for a brand new battery on the unit or if a battery is being replaced. The WT4911 could lose power prematurely if a brand new battery is not used.

- Hold the tamper switch closed before plugging the battery in.
- Plug in the battery AND continue to hold the tamper for 10 seconds before releasing it.
- Once the tamper is released, after the initial 10 seconds, the siren flashes the strobe in several different patterns to indicate it is in deactivation mode.

NOTE: It can take a unit up to 30 minutes to fully deactivation.

- If deactivation is complete, the strobe lights shut off completely and the siren starts to beep 3 times every 5 seconds.
- Create a tamper and the WT4911 will go into a normal power up sequence with 6 short beeps and flashes of the strobe lights.
- The WT4911 is ready to be enrolled on the system.

NOTE: If the battery is unplugged during deactivation and plugged back in within 1 minute, the deactivation sequence will continue.

Restart Depassivation Sequence

When deactivation reaches 30 minutes the siren stops trying to deactivation the battery

and beeps every 5 seconds. To end this siren condition and begin the deactivation sequence again, hold the tamper and/or replace the battery. If batteries are extremely poor quality (i.e., battery could be defective or dead) they should be replaced.

Two-Way Wireless Outdoor Siren Enrollment

Setting up the WT4911/8911 consists of enrolling and powering up the device. Enrolling the WT4911/8911 permits the siren to communicate with the security panel. The installer can activate the outdoor siren by Quick Enrollment or Serial Number Programming.

Quick Enrollment

- Enter the enrollment mode through installer programming, see section [89B].
- Power up the outdoor siren by activating the pre-installed battery (plug the battery cable into the battery connector located inside the backplate to activate the battery.) If it is already powered up, press and release the tamper switch.
- The outdoor siren sends a request to the security panel to enroll on the system.
- The keypad displays the electronic serial number which must be confirmed by keying in [*]. If the electronic serial number is incorrect, Press [#] and repeat this step.
- Select the module number that the device should be enrolled as.

NOTE: To enroll an existing siren onto a new panel, that siren must first be powered down then powered back up again.

NOTE: The electronic serial number is a 8-digit alphanumeric located on a sticker on the wireless device

Siren #	Serial Number	Siren #	Serial Number
[301] #1		[303] #3	
[302] #2		[304] #4	

- Repeat starting from step 2, to enroll each additional outdoor siren.

Serial Number Programming

- Enter the enrollment mode through installer programming, see section [804].
- Select the module number the device will be enrolled as. Sections [301]-[304] for sirens.
- Enter the serial number using the keypad. To delete a previously enrolled siren, enter all zeros (0's).

Placement Test

Perform a placement test to ensure there is sufficient signal strength at the desired mounting location for proper communication between the security panel and the siren.

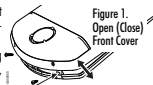
- Place the security panel into placement test, see section [906].
- Start the placement test by tampering the outdoor siren being tested.
- The siren will respond with 1 strobe flash and 1 beep if the location is "Good". If the siren is at a "Bad" location then it will respond with 3 strobe flashes and 3 beeps.

WARNING: Wear hearing protection when installing the outdoor siren.

Physical Installation

The outdoor siren is mounted onto a flat surface, such as the outside of a building. A wide variety of mounting surfaces are acceptable but the mounting material must be able to support the weight of the siren. **NOTE: The wall tamper switch must remain closed when the outdoor siren is mounted.**

- Open the WT4911/8911 by lifting the front cover up from the siren bottom until it separates from the backplate.
- If the battery is not already activated, plug the battery cable into the battery connector, see figure 2.
- Position the backplate on a flat mounting surface and mark this location.
- Secure the backplate to the mounting surface with all the screws provided for this purpose (4 screws). A screw must be installed in the tamper switch portion of the backplate.
- Carefully hinge then snap the front cover back onto the backplate, making sure it is correctly aligned, see figure 1.
- Secure the front cover to the backplate with 2 front cover screws. The remaining



screws are spare.

NOTE: Ice and snow may block siren openings and affect audibility. Please inspect and clean regularly.

Battery Replacement

NOTE: Please contact your local distributor to obtain a replacement battery. The security panel will indicate when the battery is low and requires replacement. The battery must be replaced by a **TRAINED SERVICE PERSON ONLY. REPLACE ONLY WITH THE TYPE RECOMMENDED BY THE MANUFACTURER.** To determine which siren has a low battery, open the front cover and disconnect the battery, wait 30 seconds, reconnect the battery. If the strobe light flashes, the battery is good. If the strobe does not flash, the battery is low and should be replaced observing the polarity as indicated by the engraving. **IMPORTANT: If replacing the battery make sure to follow the instructions in "Powering up the WT4911".** After removing the battery, wait 30 seconds before inserting a replacement battery. Under typical use the WT4911/8911 is capable of operating on battery power alone for 3 years without having to replace the battery (under normal operating conditions). **Do not try to recharge the battery. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area.**

WARNING: Risk of fire, explosion, or burns. Do not recharge, crush, disassemble, heat above 100°C, or incinerate.

Configuration and Testing

Use the keypad interface to set up the WT4911/8911 siren options supported by the main panel (see table below). **NOTE: The wireless keypad receives the temperature from the outdoor siren enrolled in the lowest slot.**

Programming Section	Options	
Siren:	<input type="checkbox"/> 1. Alarm sounds Enabled <input type="checkbox"/> 2. to <input type="checkbox"/> 4. Not Available <input type="checkbox"/> 3. Pre-Alarm Signal Enabled <input type="checkbox"/> 4. to <input type="checkbox"/> 8. For Future Use	<input type="checkbox"/> 1. Alarm sounds Disabled <input type="checkbox"/> 2. to <input type="checkbox"/> 4. Not Available <input type="checkbox"/> 5. Bell Squawks Enabled <input type="checkbox"/> 6. Strobe Enabled <input type="checkbox"/> 7. Strobe follows BTO <input type="checkbox"/> 8. Siren Tamper Enabled
Global Siren: <input type="checkbox"/> Sirens # 1-4 [320]	<input type="checkbox"/> 1. Tamper Activates Siren/ Strobe <input type="checkbox"/> 2. Pre-Alarm Signal Enabled <input type="checkbox"/> 3. Strobe Squawks Enabled <input type="checkbox"/> 4 to <input type="checkbox"/> 8. For Future Use	<input type="checkbox"/> 1. Tamper does not Activate Siren/Strobe <input type="checkbox"/> 2. Pre-Alarm Signal Disabled <input type="checkbox"/> 3. Strobe Squawks Disabled <input type="checkbox"/> 4. to <input type="checkbox"/> 8. For Future Use
Max. Siren Time: <input type="checkbox"/> Sirens # 1-4 [330]	Maximum Siren Activation Time: Valid entries are 000-255 minutes, Default 010. This timer overrides continuous fire bells.	

NOTE: For UL/ULC residential burglary installations set maximum activation time to 5 minutes.

IMPORTANT: The equipment is **FIXED, WALL MOUNT** and shall be installed and serviced by **SERVICE PERSONS ONLY**. The equipment enclosure must be **FULLY ASSEMBLED and CLOSED**, with all the necessary screws. Instruct the END USER to: **DO NOT** attempt to service this product; opening or removing covers may cause exposure to dangerous voltages or other risks; **DO NOT THROW** the battery into a fire or water; Disposing the battery in a fire will cause rupture and explosion; **DO NOT DISPOSE** of the waste battery as unsorted Thionyl Chloride waste. Consult your local rules and/or laws regarding recycling of this Lithium battery; It will help protect the environment by reducing the number of batteries consumed. Risk of fire OR explosion if the battery is not properly connected; Avoid short circuit; Do not expose batteries to temperatures above 100°C; Do not use water in case of battery leakage. Refer to the MSDS of battery for more details.

NOTE: When the model WT4911 is used for indoor applications, the Integral Sounder on the Control Unit, model PC9155-433 shall be disabled and the model WT4901 Indoor Siren shall not be used in the same installation.

WARRANTY

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