English
Installation Instructions

Use this installation sheet along with the associated alarm system installation manual. All instructions specified within that manual must be observed.

The WT4901 is a two-way wireless indoor siren. It sounds an alarm condition received via DSC wireless protocol from a compatible, two-way enabled security panel (e.g., PC9155). After the WT4901 is enrolled on the security panel, it is capable of receiving commands from the panel for sounding alarms and communicating any required response, such as system status. The siren is capable of sounding different alarm cadences (e.g., continuous burglary, pulsating fire (used in Canada), or temporal three fire (used in USA)), bell squawks, and buzzer tones to suit the type of command it receives.

The WT4901 provides a supervisory signal to the security panel, to ensure that its wireless communication capability is currently functioning. In addition, it monitors the case and wall tamper switch states, and the battery state. In the event of a low battery or a tamper activation, the WT4901 transmits the appropriate signal to the security panel and, if applicable, provides an audible indication that a system event has occurred. Multiple WT4901 can be enrolled on, and supervised by the same security panel as separate units.

Specifications
- Operating Temperature: -10°C to +55°C (14°F to 131°F)
  Temperature range for UL/ULC: 0°C to +49°C
- Relative Humidity: 0 to 93% R.H., non-condensing
- Operating Frequency: 433.92MHz
- Wireless Range: 250m (under, line of sight)
- Batteries: (4) AA 1.5V Alkaline (Energizer E91)
- Battery Life: 2 years (under typical use)
- Low Battery Level: {xx V pre-determined}
- Output Level: 85dB @ 3m(high volume)/65db @ 3m(medium volume)

Out of the Box
- ☐ WT4901
- ☐ Installation Sheet
- ☐ Hardware pack: 3 screws and 3 plastic anchors
- ☐ 4 AA Batteries

Two-Way Wireless Siren Enrollment
The WT4901 serial number is only used when the indoor siren is enrolled and powered up. Enrolling the WT4901 permits it to communicate with the control panel. The installer can activate the indoor siren by Quick Enrollment or Serial Number Programming, see below.

NOTE: Make sure the Keypad is setup before activating the indoor siren.

Quick Enrollment
1. Enter the enrollment mode through installer programming, see section [898] in the alarm system installation manual.
2. Power up the indoor siren, if it is not already powered up. [1]
3. Tamper the indoor siren using the tamper switch.
4. The indoor siren sends a request to enroll on the system.
5. 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.
6. Select the module number that the device should be enrolled as.

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

NOTE: The electronic serial number is a 8-digit alphanumeric number located on a sticker on the wireless device.
7. Repeat starting from step 2. to enroll each additional indoor siren.

Serial Number Programming
1. Enter the enrollment mode through installer programming, see section [804] in the alarm system installation manual.
2. Select the module number that the device will be enrolled as. See sections [301]-[304] for sirens.
3. Enter the serial number using either the Keypad, or DLS.

Placement Test
Perform a placement test to ensure there is sufficient signal strength for proper communication between the security panel and the siren location.
1. Place the security panel into placement test, see section [906].
2. Start the test by tampering and restoring the siren being tested, or pressing and holding the Test button for 2 seconds (the siren will give a beep).
3. The siren will respond with one beep if the location is "Good" or three beeps if the siren is at a "Bad" location.

Physical Installation
The indoor siren is mounted to a flat surface such as drywall, or any variety of other surfaces with the supplied hardware.
NOTE: When mounting the WT4901 on drywall the use of the plastic anchors is mandatory
NOTE: Do not mount over a single gang electrical box.
1. Open the WT4901 by inserting a screwdriver into the slots and gently pry on the front cover until it separates from the backplate.
2. If the batteries are not installed, install the batteries as shown in the sequence indicated by the engraving.
3. Position the backplate on a flat mounting surface and mark this location.
4. Secure the backplate to the mounting surface with all the screws provided.
5. Hinge the front cover to the backplate carefully, to correctly align it with the tamper switch, then snap it onto the backplate. The wall tamper switch must remain closed when the indoor siren is mounted.
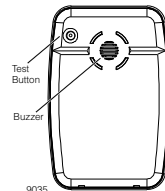
Test Button
The test button activates the local siren for 4 seconds. Press and hold the siren test button, located at the front of the WT4901, to verify the indoor siren is functioning. If it is, the siren will sound at medium volume for 2 seconds, followed by 2 seconds at full volume. The WT4901 does not necessarily have to be enrolled on a system to perform this test.
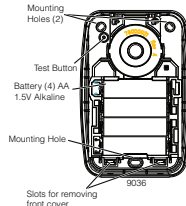
Battery Replacement
The security panel will indicate when the batteries are low and require replacement. Only Energizer E91 1.5V AA alkaline batteries can be used. **REPLACE ONLY WITH THE TYPE RECOMMENDED BY THE MANUFACTURER.** Open the front cover and install the batteries as shown in the sequence indicated by the engraving. If the batteries are installed incorrectly, in the reverse polarity, the indoor siren will not work. Under typical use the WT4901 is capable of operating on battery power alone without having to change the batteries for a minimum period of two years. **Do not try to recharge these batteries. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area.**

Indoor Siren Front Cover

Test Button

Buzzer

9035

Indoor Siren Backplate

Mounting Holes (2)

Test Button

Battery (4) AA 1.5V Alkaline

Mounting Hole

Slots for removing front cover

9036

Configuration and Testing
If necessary, WT4901 options can be setup to suit desired system responses. By means of the keypad interface, the installer has access to the siren programming menus supported by the main panel e.g., wireless sounder options (see table below), siren enrollment and placement test activation menu.

Program Section	Options	
Sounder: ☐ Siren #1[311] ☐ Siren #2[312] ☐ Siren #3[313] ☐ Siren #4[314]	☐1. Siren Enabled ☐2. Buzzer Notification Enabled ☐3. Door Chime Enabled ☐4. Trouble Beeps Enabled ☐5. Bell Squawks Enabled ☐6. Enable Strobe (WT4911 only) ☐7. Buzzer Alarms follow BTO ☐8. For Future Use	☐1. Siren Disabled ☐2. Buzzer Notification Disabled ☐3. Door Chime Disabled ☐4. Trouble Beeps Disabled ☐5. Bell Squawks Disabled ☐6. Disable Strobe (WT4911 only) ☐7. Buzzer Alarms follows Alarm Condition ☐8. For Future Use
Global Sounder: ☐ Sirens #1-4 [320]	☐1. Tamper Activates Siren/Strobe ☐2. Pre-Alarm Signal Enabled ☐3. to ☐8. For Future Use	☐1. Tamper does not Activate Siren/Strobe ☐2. Pre-Alarm Signal Disabled ☐3. to ☐8. For Future Use

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IC: 160A-WT4901 The term 'IC:' before the radio certification number only signifies that Industry Canada technical specifications were met. This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This product meets the requirements of Class II, Grade 2 equipment as per EN50131-1 and EN50131-4 Standards. The power supply is Type C as per EN50131-6 Standard.

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NFPA72 Mounting Requirements (USA)
If ceiling heights allow, wall-mounted appliances shall have their tops above the finished floors at heights of not less than 2.30 m (90 in.) and below the finished ceilings at distances of not less than 150 mm (6 in.). Mounting heights other than those shall be permitted by the authority having jurisdiction provided the sound pressure level requirements are met.

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