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# Digital Security Controls

## Publications Cover Sheet

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**Part Number:** 29007529R001

**Revision:** 001

**Release Number:** 7352

**Notes:** New - release R001 as English version  
for marketing field trials

**Description:** WT4901 2-WAY INDOOR SIREN INIS  
ENG [WT4901 INIS ENG]

**Type:** 33-01 8.5 x 11 White (Paper)

**Pieces:** 0.5 (2 up)

**Printing Instructions:** Master Size: 5.5"x8.5"  
Number of Sheets in Master: 2  
2 - Sided Printing  
Cover Printing Not Required  
Finishing: Not Applicable  
Notes: Finished sheet size: 8.5"x5.5"; no  
folding needed.

## WT4901 Two-Way Wireless Indoor 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 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 received response, such as system status. The siren is capable of sounding different alarm cadences (e.g., continuous burglary pulsating his, or temporal three fire), 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. Up to four 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
Batteries: (4) AA 1.5V Alkaline (Duracell, Panasonic or Energizer)
Battery Life: 2 years (typical usage)
Low Battery Level: 5.6 V, pre-determined
Alarm Signals – Output Level: 85dB @ 3m (high volume)
Other Signals – Output Level: 65dB @ 3m (medium volume)
Compatible control panels: PC9155-433, PC9155D-433, PC9155G-433

### 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 already powered up, press and hold the test button for 2 seconds (the siren will give a beep)



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3. The indoor siren sends a request to the security panel to enroll on the system.
4. 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.
5. 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.

6. 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 the Keypad.

### 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 of 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.

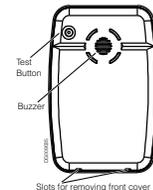
### Test Button

The test button activates the local siren for 4 seconds. Press and hold the siren test button for 5 seconds, 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.

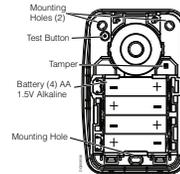
### Battery Replacement

The security panel will indicate when the batteries are low and require replacement. The security panel will indicate when the batteries are low and require replacement. The security panel will indicate when the batteries are low and require replacement. **REPLACE ONLY WITH THE TYPE RECOMMENDED BY THE MANUFACTURER.** Open the front cover and install the batteries as shown in the polarity 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 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



Indoor Siren Backplate



### 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 siren options (see table below), siren enrollment and placement test activation menu.

**NOTE:** Do not set the WT4901 to follow Entry/Exit delay for SIA CP-01 compliant installations.

Program Section	Options	
<b>Sounder:</b> <input type="checkbox"/> Siren# 1[311] <input type="checkbox"/> Siren# 2[312] <input type="checkbox"/> Siren# 3[313] <input type="checkbox"/> Siren# 4[314]	<input type="checkbox"/> 1. Siren Enabled <input type="checkbox"/> 2. Buzzer Notification Enabled <input type="checkbox"/> 3. Door Chime Enabled <input type="checkbox"/> 4. Trouble Beeps Enabled <input type="checkbox"/> 5. Bell Squawks Enabled <input type="checkbox"/> 6. For Future Use <input type="checkbox"/> 7. Buzzer Alarms follow BTO <input type="checkbox"/> 8. For Future Use	<input type="checkbox"/> 1. Siren Disabled <input type="checkbox"/> 2. Buzzer Notification Disabled <input type="checkbox"/> 3. Door Chime Disabled <input type="checkbox"/> 4. Trouble Beeps Disabled <input type="checkbox"/> 5. Bell Squawks Disabled <input type="checkbox"/> 6. For Future Use <input type="checkbox"/> 7. Buzzer Alarms follows Alarm Condition <input type="checkbox"/> 8. For Future Use
<b>Global Sounder:</b> <input type="checkbox"/> Srens:# 1-4 [320]	<input type="checkbox"/> 1. Tamper Activates Siren/ Strobe <input type="checkbox"/> 2. Pre-Alarm Signal Enabled <input type="checkbox"/> 3. 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. To <input type="checkbox"/> 8. For Future Use

## FCC Compliance Statement

**CAUTION:** Changes or modifications not expressly approved by Digital Security Controls could void your authority to use this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.  
**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.

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Per esta mia, a DSC, dichiara che este equipamento está em conformidade com os requisitos essenciais e outras determinações relevantes da Directiva 1999/5/EC.

DSC bekræfter hermed at denne apparat opfylder de væsentlige kravene och andra relevanta bestämmelser i Direktivet 1999/5/EC.

Con la presente la Digital Security Controls dichiara che questo prodotto è conforme ai requisiti essenziali ed altre disposizioni rilevanti relative alla Direttiva 1999/5/EC.

Por la presente, DSC declara que este equipo está en conformidad con los requisitos esenciales y otros requisitos relevantes de la Directiva 1999/5/EC.

Hierdurch erklärt DSC, daß dieses Gerät den erforderlichen Bedingungen und anderen Bestimmungen der Richtlinie 1999/5/EC entspricht.

Όταν τον παρόντος, η DSC, δηλώνει ότι αυτή η συσκευή είναι σύμφωνα με τις υποχρεώσεις απαιτούμενες και άλλες σχετικές υποχρεώσεις της Οδηγίας 1999/5/EC.

Hierbij verklaart DSC dat dit toestel in overeenstemming is met de eisen en bepalingen van richtlijn 1999/5/EC.

Par la présente, DSC déclare que cet article est conforme aux exigences essentielles et autres relevantes stipulées de la directive 1999/5/EC.

DSC vakuuttaa laiteen täyttävän direktiivin 1999/5/EC olennaiset vaatimukset. Hierby, DSC, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The complete R&TE Declaration of Conformity can be found at [http://www.dsc.com/listings\\_index.aspx](http://www.dsc.com/listings_index.aspx).