WS4928 Holdup Switch

Installation Instructions - For Service Persons Only

These instructions shall be used with the Installation Manual of the DSC wireless receiver and control panel with which this device is intended to be used.
The WS4928 wireless holdup switch is intended for installation under a counter, desktop, switchboard or other concealed location.

Specifications

Dimensions:	95mm × 121mm × 38mm (3¾"x 4¾" x 1½")
Operating Temperature:	UL/ULC: 0ºC to 49ºC (32ºF to 120ºF)
Operating Humidity:	85% RH
Operating Frequency:	433 MHz
Battery:	Duracell/Panasonic CR2 Lithium (2.2V low battery indication threshold)
Battery Life:	5-8 years *
Compatible Receivers:	RF5132-433 with DSC control panel models PC1616, PC1832, PC1864

* Not tested by UL/ULC.

Figure A

Out of the Box

• 1 WS4928 module
• 1 reset tool
• 4 mounting screws

Powering the WS4928

The WS4928 comes with the battery pre-installed. To activate, hold the WS4928 firmly in one hand and pull the plastic tab in the direction indicated.

Locate Transmitter

Select the location where the WS4928 is to be mounted. NOTE: RF signals can be affected by metal objects, including metal doors or large mirrors. Such locations should be avoided, they can interfere with proper operation.

Enrolling, Programming and Placement

Enroll the WS4928 by programming the 6-digit serial number (located on the WS4928) into the receiver. Once the WS4928 is enrolled, you must perform a Module Placement test to ensure the location you have chosen is suitable. The following outlines the basic steps for programming and enrolling this device on PowerSeries receivers. For additional options or for other receivers please refer to the specific receiver installation manuals.

Step 1 – Program Electronic Serial Number (ESN)
Section [804], subsections [01] – [64]
[01] Zone 1 ... [64] Zone 64
Enter the 6 digit ESN located on the WS4928 into the next available zone slot.
Step 2 – Program Zone Definition
Section [001] – [004]
Define corresponding zone with appropriate zone type [i.e., Holdup (12)].
Step 3 – Enable Wireless Zone Attribute
Section [101] – [164]
Turn Option [8] ON (wireless zone attribute) in corresponding zone attribute section.
All wireless devices must be tested for good signal strength from where they are positioned.
Step 4 – Device Placement Test
Section [904], subsections [01] – [64]
Activate the switch. The panel will indicate the test result through the siren (and also through the keypad):
1 bell squawk/beep on LCD keypad/LED 1 on LED keypad) indicates GOOD placement
3 bell squawks/beeps on LCD keypad/LED 3 on LED keypad) indicates BAD placement
If the transmitter tests BAD, move the transmitter and repeat the Placement Test.

To remove cover, insert screwdriver here and gently twist.

Figure B

Tamper Switch

External Contact Terminals

Figure C

Mounting the Device

Secure the holdup switch to the mounting surface using the 4 mounting screws provided. NOTE: The WS4928 may be mounted horizontally or vertically. In horizontal installations, position the unit so that the finger-operated slide is activated by pulling toward the user. In vertical installations, position the unit so that the finger-operated slide is activated by pulling downward by the user.

Operation

Activation - The WS4928 holdup switch is activated by placing a finger in the access hole and pulling the slide toward the user (downward in vertical mount installations). The alarm activation will be indicated locally at the device by the red tab on the unit. The device will remain latched in the alarm state until a manual reset is performed.
Restoral - To restore the device, insert the reset tool into the two rectangular slots next to the alarm indicating tab. Ensure the flat (unbevelled) side is facing the red tab (see Figure A).

Testing

1. Notify the central station prior to testing the switch.
2. Activate the switch.
3. Reset the switch.
4. Verify receipt of the alarm and restoral signal at the central station and provide notification that the test is completed.

Tamper Switch & Wall Tamper

The WS4928 comes equipped with case tamper detection. If the case is removed, the WS4928 will report a zone tamper to the control panel. For added security the WS4928 was designed to provide wall tamper monitoring as well. When using the wall tamper please do not install the device on surfaces made of soft materials.
NOTE: A tamper switch is required for UL Listed commercial burglary/holdup installations.

Replacing the Battery

To replace the battery, insert a flathead screwdriver into either side of the transmitter unit and carefully twist to separate the top and bottom plastic (see Figure B). Once separated, the battery will be visible (please see Figure C). Remove the old battery and install new battery. Ensure correct polarity is observed. Dispose of used battery promptly.
CAUTION: The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble, heat above 100C (212F) or dispose of in fire. Replace battery with one 3V lithium battery, Panasonic CR2 or Duracell CR2 only. Use of another battery may present a risk of fire or explosion. Dispose of the used batteries as per local regulations. Keep away from children.
NOTE: Model WS4928 is UL listed for commercial burglary/holdup applications in accordance with the following standards: UL636, UL1610.
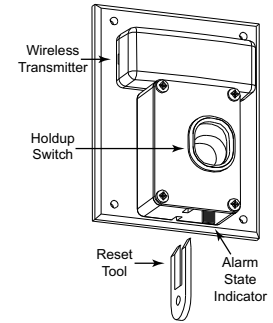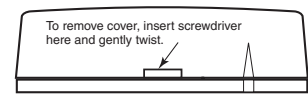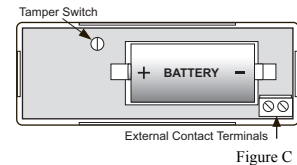NOTE: Test unit at least once yearly.

FCC Compliance Statement

CAUTION: Changes or modifications not expressly approved by DSC could void your authority to use this equipment.

This equipment generates and uses radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for Class B device in accordance with the specifications in Subpart "B" of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in any residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to television or radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Re-orient the receiving antenna
• Relocate the alarm control with respect to the receiver
• Move the alarm control away from the receiver
• Connect the alarm control into a different outlet so that alarm control and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC helpful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock # 004-000-00345-4.

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-WS4928: The term 'IC' before the radio certification number only signifies that Industry Canada technical specifications were met.

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Ce dispositif satisfait aux exigences d'Industrie Canada, prescrites dans le document CNR-210. son utilisation est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

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