Pinchi Security

PJDX5-900

User instructions

PJDX5-900 SYSTEM - User Instructions

Federal Communications Commission (FCC) Statement

15.21
You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television 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:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

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 of the device.

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Contents

Part Numbers

PART NUMBER	DESCRIPTION

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PJ9DX5-900	Battery Backup Siren
PJ9PIR-900	Passive Infra-red Sensor
PJ9Toolbox-Sen433	433MHz Toolbox Sensor
PJ9Toolbox-Sen900	900MHz Toolbox Sensor
PJ9WB-900	900MHz Wireless Bridge
PJ9LS-900	900MHz Latch Sensor
PJ9TX90M-900	900MHz Remote Control

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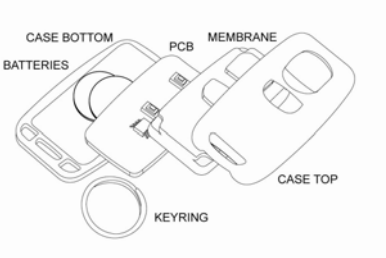
Remote Operation (PJ9TX90M-900)

- Momentarily pressing the top button will alternately arm and disarm the Alarm.
- Holding the bottom button for 2 seconds will put the Alarm into panic mode. During panic mode, the siren will “squawk” for 30 seconds, or until the top button is pressed.
- A green and a red LED are located under the top button.
- When a command is successfully transmitted to the Siren, the green LED will flash twice rapidly.
- When the Siren does not receive the transmission, the red LED will flash several times.

Top button

Battery Replacement

Use a flat head screwdriver to carefully separate the two body pieces taking care not to disturb the circuit board. Remove the old batteries whilst paying attention to the orientation of the positive and negative terminals. Insert new batteries in identical fashion to the original and re-assemble remote. Test remote control by pressing main button. For further information, please contact your local Cyclops service centre. Remote battery type is CR2016.



Siren Operation

Upon arming the Alarm, all sensors are ignored for the first 30 seconds. Once triggered, the Siren will sound for 30 seconds, then reset for 5 seconds (remains silent). Each paired sensor can trigger the Alarm a maximum of three times during each Arm/Disarm cycle. The battery backup feature has been disabled for FCC testing.

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Programmable Options

The PJDX5-900 features several programmable options and pairing functions, to allow an installer to customize this product to suit special vehicles. The paragraph below details the general procedure for changing/using the options. Read the summary table and option descriptions for further details on each option.

Option Selection Procedure

1. Disarm the PJDX5-900 using a valid Remote Control.
2. Hold both buttons of the Remote Control until it's green and red LED's flash.
3. Press the top button once for each count in the option that is to be selected (three presses for option #3 etc).
4. Press the bottom button to confirm you wish to select/change the option.
5. The Siren will respond by chirping once or three times to report the new setting

Option Selection Summary Table

Option Number	Option Description	One chirp response	Three chirp response
3	Retrieve trigger diagnostics	*See diagnostics summary*	
5	Demo mode	Disabled	Enabled
7	Program new Remote Control	*See remote programming section*	
9	Shock sensor function	Disabled	Enabled
11	Millivolt sensor function	Disabled	Enabled
13	Shock sensor sensitivity	*See sensitivity summary*	

Option 3 – Retrieving trigger diagnostics

Each time the Siren is triggered, the source of the trigger is saved in the system memory. The diagnostic information is retrieved by selecting option #3 (see options selection procedure). The Siren will chirp and the Blue LED will flash the number corresponding to the trigger source. The table below outlines the numbers and types of trigger sources:

Trigger Number	Trigger Source Type
1	Millivolt Sensor

2	Internal shock sensor
3	Latch sensor
4	Passive Infra-red sensor
10	Toolguard sensor
11	Wireless bridge

Option 5 – Demo mode

Demo mode commands the Siren to sound at low volume for customer demonstrations.

Option 6 – Remote Control "pairing mode"

Option 6 puts a new Remote Control into "pairing mode". As the communications between Remote Controls and a Siren is bi-directional, both the pieces of equipment need to enter learn mode for pairing.

Option 7 – Siren "pairing mode"

Option 7 puts the Siren into "pairing mode" so that Sensors or Remote Controls can be paired. The Siren will remain in "pairing mode" until either:

1. a Sensor/Remote Control signal is received or
2. 1 minute expires.

For Sirens that have no paired Remote Controls, option 7 can be enabled by touching the Siren's white wire to:

1. an exposed metal surface connected the chassis of the vehicle ground or
2. the negative terminal of the vehicle battery.

Option 9 – Shock sensor mode

Option 9 commands the Siren to ignore or respond to the in-built shock sensor. While this setting is enabled, the Siren will sound if the a vibration is detected in the vehicle. The sensor becomes active 30 seconds after the Alarm is armed.

Option 11 – Millivolt sensor mode

The Millivolt Sensor monitors the voltage of the vehicle battery 30 seconds after the Alarm is armed. Switching on any device connected to the vehicle will cause the smallest ripple in battery voltage. The millivolt sensor will detect the ripple and trigger the Alarm. When millivolt sensing is unnecessary, it can be disabled using option 11.

Important note for millivolt Sensor: *In the case of RV's (motor homes), please be aware, electrical items such as refrigerators may cause a voltage drop at times while the Alarm is active (say in the middle of the night). This is a prime example of when to disable the millivolt sensor.*

Option 13 – adjust shock sensor sensitivity

This adjusts the Shock Sensor sensitivity via the remote. The Siren will chirp the currently programmed shock sensor sensitivity (1-5). Level 5 = most sensitive and level 1 = least sensitive.
Press the top button to go to the next level. Once level 5 is exceeded, level 1 is again selected.
Once the level is selected, you do not need to press the remote. The x5 will chirp 6 times quickly to indicate it has programmed the new level into the Siren module.

Programming a new Remote Control

For normal operation, all Remote Controls must be paired with the Alarm. To pair a new Remote Control, the Alarm must be put into "pairing mode" first (see option 7). Secondly the new Remote Control must be put into "pairing mode" (see option 6). Once both devices have been set, the pairing takes place automatically.

Additional Sensors

Pairing Sensors

As with Remote Controls, for sensors to function with the PJDX5-900, they must be paired with the Alarm.

Step 1 - Sirens

Always set the Siren into "pairing mode" first using option 7. The Siren will remain in "pairing mode" for 1 minute, waiting for a signal from the new device. The blue status LED attached to the Siren will flash rapidly while in "pairing mode".

Step 2 – for Toolguard Sensors

Open new Toolguard Sensor as per the instructions provided with the sensor. Momentarily press the sensor's learn button until the green LED in the sensor flashes. The flashing green LED confirms a successful device pairing.

Step 2 – for Passive Infra-red (PIR) Sensors

PIRs will enter "pairing mode" automatically for 10-20 seconds each time the sensor is powered up (i.e. battery re-insertion). In "pairing mode", the green LED will flash for 2 seconds, then remain off for 2 seconds, and cycle this pattern until it is paired with a Siren or it's pairing time expires.

Sensor Operations

Latch Sensor Operation (PJ9LS-900)

The wireless Latch Sensor is a passive device that remains inactive until the internal magnet reed switch is activated. Where upon it transmits a trigger signal to the Alarm. If the arming settling time has elapsed (30 seconds), the siren will sound. Refer to the Latch Sensor installation instruction for details on correct sensor placement.

PIR Operation (P9JPIR-900)

The PIR Sensor is an active sensor that detects the movement of warm bodies as they pass through a region in front of the sensor's "eye". The PIR accepts arm/disarm commands from the Alarm. After arming, the PIR will wait 1 minute before it becomes active.

The PIR sensor includes a red and green status LED, which reports the sensor's current operating mode as follows:

- While disarmed the red LED will flash once every two seconds.
- Once the sensor is fully active, it's green LED once. When the sensor triggers it becomes active it will flash the green LED once.
- The PIR will flash the green LED when it becomes disarmed and will flash red then green when triggered.

Toolguard Operation (PJ9Toolbox-Sen900)

The Toolguard Sensor is a passive sensor which monitors it's angle with respect to gravity. If the angle of the sensor is changed, a radio signal is sent to the

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PJ9DX5-900 alarm system. If the alarm is armed and active, the siren will sound. While the alarm is disarmed, all Toolguard signals are ignored.

Wireless Bridge Operation (PJ9WB-900)

The Wireless Bridge as a device that connects to negative trigger signal wire from a standard (non-radio) sensor. When a negative signal is detected, a trigger message is transmitted to the PJ9DX5-900 alarm system via RF.

Toolguard Operation (PJ9Toolbox-Sen433)

The Toolguard Sensor is a passive sensor which monitors it's angle with respect to gravity. If the angle of the sensor is changed, a radio signal is sent to the X3-433 alarm system. If the alarm is armed and active, the siren will sound. While the alarm is disarmed, all Toolguard signals are ignored.