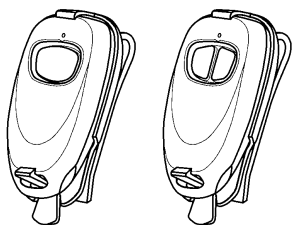# WS****-433NA v 1.0 Installation Manual

Section 1: Introduction

The WS****-433 is the industries most flexible wireless key. It is field programmable to be a single button panic, a two button panic or a three button remote which can be used to arm and disarm a panel as well as any other desired wireless key function.

1.1 Specifications and Features

- Programmable as a 1, 2 or 3 button non-supervised remote
- Programmable instant or delay function
- Water resistant for baths or shower use
- Frequency: 433 MHz
- Lithium batteries to ensure long life
- Includes under desk/counter or wall mount for police or medical panics
- Includes belt clip for portable mounting including car visor.
- Includes neck strap

DRAFT MANUAL

1.2 Compatible Receivers

Please refer to the installation sheets of the following receivers for more information.
The WS****-433 is compatible with the following receivers:

- PC5132-433
- PC5102WKK1 (2)
- PC4164-433
- LCD 5501Z32-433
- Envoy Systems

CAN BE PROGRAMMED AS A REMOTE OR A ZONE

WARNING

This manual contains information regarding product use and information on the limitations as to liability of the manufacturer.

1.3 Batteries

The WS**** uses two CR2025 lithium batteries and are designed to last at least 5 years under normal usage. To replace batteries see section 3.

Section 2: WS****-433 Programming

This section describes how to set up and program your remote.

*NOTE: For programming you will need the 2 button rubber insert installed. If you plan to use the WS****-433 as a one button panic you can change the insert after programming is complete.*

2.1 Description:

1 Button Remote: Single button operation to activate Police or Medical panic.
2 Button Remote: Dual button operation (Press buttons 1 and 2 together) to activate Police or Medical panic.
3 Button Remote: Button 1 and button 2 plus both buttons pressed simultaneously give a 3rd channel transmitter function.

2.2 Programming for single button operation.

1. Press and HOLD both buttons on the remote. The LED will pulse ON/OFF, continue to HOLD until the LED begins to flash (approximately 5 seconds) then release.
2. Press button #1 to indicate single button function. The LED will flash faster.
3. Press button # 1 for Instant Transmission OR Button #2 for three second delay transmission. LED will flash faster.
4. Press button #1 for Remote function or Press #2 for Zone function. LED will turn OFF to indicate unit has exited programming.

   If you choose to use the 'ZONE' function you must make sure to substitute a '2' in the first digit of the serial number when programming into the panel.

Example: If the serial number on the back of the remote is 65382A and you program the 'ZONE' function, then the serial number you will program into the panel will be 25382A. If you use the 'ZONE' function you must program the unit into Zone 1-32, it will not operate at 41-56 if you are using the 'ZONE' function.

Note 1: Delay features requires that the remote button be held for 3 continuous seconds before it will transmit to eliminate any false activations.
*Note 2: When the button is pressed on a WS****-433 it will transmit the same code as a DSC button #4 wireless key.*

2.3 Programming for Two Button Panic

1. Press and HOLD both buttons on the remote. The LED will pulse ON/OFF, continue to HOLD until the LED begins to flash (approximately 5 seconds) then release.
2. Press button #2 to indicate dual button function. The LED will flash faster.
3. Press button # 1 for Instant Transmission OR Button #2 for .5 second delay transmission. LED will flash faster.
4. Press Button #1 for dual button panic mode. LED will flash faster.
5. Press button #1 for Remote function or Press #2 for Zone function. LED will turn OFF to indicate unit has exited programming.

   If you choose to use the 'ZONE' function you must make sure to substitute a '2' in the first digit of the serial number when programming into the panel.

Example: If the serial number on the back of the remote is 65382A and you program the 'ZONE' function, then the serial number you will program into the panel will be 25382A. If you use the 'ZONE' function you must program the unit into Zone 1-32, it will not operate at 41-56 if you are using the 'ZONE' function.

*Note 1: When both buttons are pressed on a WS****-433 it will transmit the same code as a DSC button #4 wireless key.*

2.4 Programming for Three Button Remote

1. Press and HOLD both buttons on the remote. The LED will pulse ON/OFF, continue to HOLD until the LED begins to flash (approximately 5 seconds) then release.
2. Press button #2 to indicate dual button function. The LED will flash faster.
3. Press button # 1 for Instant Transmission OR Button #2 for .5 second delay transmission. LED will flash faster.
4. Press Button #2 for three button mode. LED will turn off to indicate unit has exited programming.

*NOTE: When button #1 is pressed on a WS****-433 it will transmit the same code as a DSC button #2 wireless key. When button #2 is pressed on a WS****-433 it will transmit the same code as a DSC button #3 wireless key. When both buttons are pressed on a WS****-433 it will transmit the same code as a DSC button #4 wireless key.*

Section 3: Additional Notes

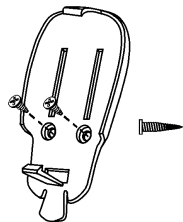The WS****-433 Wireless Key requires TWO CR2025 lithium batteries.

Replacing batteries

1) Open the case by inserting a coin or a flat head screw driver at the base and carefully twist the screwdriver to separate the top and bottom plastic.
2) Using a #1 Phillips screw driver, remove the screw that holds the circuit board to the back of the case. The screw is in the center of the circuit board.
3) Insert a small flat head screwdriver at the base of the board and carefully lift it up.
4) Note the polarity of the battery as etched into the bottom side of the case. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries.

WARNING: Danger of explosion if batteries are installed incorrectly, Replace ONLY with Panasonic or Toshiba CR2025 Batteries. Keep away from small children. If batteries are swallowed, promptly see a doctor. Do not try to recharge batteries. Disposal of used batteries must be made in accordance with waste recovery and recycling regulations in your area.
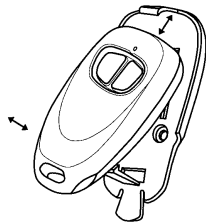
Section 4: Miscellaneous Uses

4.1 Wall or Under Counter Mount
The included wall/under counter enclosure is useful for a multitude of applications. It is perfect for a medical panic with mounting next to showers, beds or counters. Excellent for commercial use as an under desk/counter panic button.
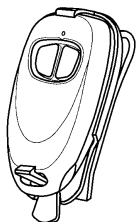
Wall or Desk Mount   Remote Snaps In

4.2 Belt Clip
The included belt/visor clip is excellent for wireless 'on the go' applications like keyless entry for garage doors, electric strikes or even jewelry store panic buttons that are kept on the person. It is also convenient to attach to a visor for garage door or security gate access.

Belt Clip

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Digital Security Controls Ltd. warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfilment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

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ADVERTENCIA: Digital Security Controls Ltd. recomienda que el sistema sea probado en su integridad con la debida regularidad. Sin embargo, a pesar de pruebas frecuentes y debido a interferencia criminal o cortes eléctricos, pero no sólo limitado a ellos, es posible que este producto deje de operar en la forma esperada.

INFORMACIÓN IMPORTANTE: Los cambios o modificaciones no aprobadas expresamente por Digital Security Controls Ltd., pueden cancelar la autoridad del usuario para operar este equipo.

FCC COMPLIANCE STATEMENT
CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

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 interfer-ence 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 deter-mined 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
• 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/television technician for help.

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: 4676A-EV433P The term 'IC:' before the radio certification number only signifies that Industry Canada Technical specifications were met.

DSC®