WARNING: Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.

NOTE: These instructions shall be used in conjunction with the system Installation Manual of the Control Panel with which this equipment is intended to be used.

ATTENTION: Ce manuel contient des informations sur les restrictions concernant le fonctionnement et l'utilisation du produit et des informations sur les restrictions en ce qui concerne la responsabilité du fabricant. La totalité du manuel doit être lu attentivement.

NOTE: Ce manuel doit être utilisé en conjonction avec le Manuel d’installation du Panneau de contrôle.

ATENCION: Consulte el Manual de instalación del sistema para obtener información sobre las limitaciones del uso y funciones del producto, así como las limitaciones de la responsabilidad del fabricante.

NOTA: Estas instrucciones deberán utilizarse conjuntamente con el Manual de instalación del sistema del Panel de control con el que se vaya a utilizar este equipo.

AVISO: Consulte o Manual de instalação do sistema para obter informações acerca das limitações relativas à utilização do produto e funções e informações acerca das limitações relativas à imputação de responsabilidades ao fabricante.

NOTA: Estas instruções devem ser utilizadas em conjunto com o Manual de instalação do sistema do painel de controlo com o qual este equipamento se destina a ser utilizado.
The PK55XX/RFK55XX keypads can be used on security systems with up to 64 zones. These keypads are compatible with the following DSC security systems:

- PC580
- PC585
- PC1555MX
- PC1565
- PC1616
- PC1832
- PC1864
- PC5005
- PC5008
- PC5010
- PC5015
- PC5016
- PC5020

The RFK55XX keypads combine a wireless receiver with the respective PK55XX keypad.

Specifications

- Temperature range: -10°C to +55°C (14°F to 131°F), Temperature range for UL/ULC: 0°C to +49°C (32°F to 120°F)
- Humidity (MAX): 93%R.H.
- Plastic enclosure protection degree: IP30, IK04
- Voltage rating: 12V DC nominal
- Connects to control panel via 4-wire Keybus
- 1 keypad zone input/PGM output*
- PK55XX Current draw: 50mA (standby)/125mA (maximum)
- RFK55XX Current draw: 75mA (standby)/135mA (maximum)
- Wall mount tamper
- 5 programmable function keys
- Ready (Green LED), Armed (Red LED), Trouble (Yellow LED), AC (Green LED)
- Low temperature sensor
- Frequency: 433.92MHz (RFK55XX-433 Only)
- Up to 32 wireless zones (RFK55XX Only)

NOTE: * Zone not to be programmed as Fire type or 24h type.

Unpacking

The Power keypad package includes the following parts:

- One Power keypad
- Keypad inner door labels
- Four mounting screws
- 1 tamper switch
- Installation Instructions
- 2 end-of-line resistors

Mounting

You should mount the keypad where it is accessible to designated points of entry and exit. Once you have selected a dry and secure location, perform the following steps to mount the keypad.

Disassemble Keypad

1. Removing the keypad from the backplate for the first time.
   (a) Position the keypad as indicated, insert screwdriver and rotate.

2. Removing the keypad from backplate once mounted.
   (a) Open door, holding it 90° to the keypad, as shown below.
   (b) Insert screwdriver into slot located under the door hinge and rotate the screwdriver.

Mount and Wire Keypad

1. Secure Keypad to wall using mounting holes. Use all 4 screws provided unless mounting on a single gang box.
2. Place keypad into hooks on the backplate and swing down to engage.
3. Run wire through wiring slot or knockouts. Connect Keybus and PGM/Zone wiring to keypad. Place tamper switch into tamper hole on backplate.
4. Remove keypad from hooks. Place keypad into backplate, ensure the wire is pushed back into the wall as much as possible. Route the wire inside the keypad ensuring high components are avoided. Snap the front assembly closed, ensuring that there is no pressure to the keypad from the wire below.

NOTE: If any tension found between the front keypad assembly and wiring, please open the keypad reroute the wire and close again. Repeat these steps until the keypad is closed properly.

Wiring

1. Before wiring the unit, ensure that all power (AC transformer and battery) is disconnected from the control panel.
2. Connect the four Keybus wires from the control panel (red, black, yellow and green) to the keypad terminals. Refer to diagram:
3. If programmed as an input, you can connect a device - such as a door contact - to the 'P/Z' terminal of the keypad. This eliminates the need to run wires back to the control panel for the device. To connect the zone, run one wire from the device to the 'P/Z' terminal and the other wire from the device to the B (black) terminal. For powered devices, run the red wire to the R (positive) terminal and the black wire to the B (negative) terminal. When using end of line supervision, connect the zone according to one of the configurations outlined in your system's Installation Manual.
4. If the 'P/Z' terminal is programmed as an output, the output follows the PGM programmed in Section [080]. A small relay, buzzer or other DC...

For more information on control panel power specifications, see the control panel Installation Manual.

Applying Power

Once all wiring is complete, and the equipment is secured to the building structure with at least two screws apply power to the control panel:

1. Connect the battery leads to the battery.
2. Connect the AC transformer.

NOTE: Label broadcast from this keypad is only compatible with other PK5500 and RFK5500 Keypads.

Language Programming

(PK5500/RFK5500 Only)

Hold (<> keys for 2 seconds to enter language programming, scroll to the desired language and Press [*] to select.

NOTE: If section [077] option 4 is OFF, language programming can only be performed while in installers programming.

Enrolling the Keypad

The keypad will need to be assigned to a partition and slot if supervision or keypad zones are being used. Keypad assignments and keypad option programming must be done at each keypad individually.

1. The 1st digit of keypad assignment is used to determine partition assignment (1 to 8). If partitioning is not used, enter [1]. For Global Keypads, enter [0].

NOTE: LED and ICON keypads cannot be programmed as Global Keypads.

2. The 2nd digit of keypad assignment is used to determine slot assignment (1 to 8). PK5500 and RFK5500 LCD keypads come defaulted in slot 8. If LCD keypads are used one LCD keypad must remain in slot 8.

3. The keypad will need to be assigned to a partition and slot if supervision or keypad zones are being used. Keypad assignments and keypad option programming must be done at each keypad individually.

4. If partitioning is not used, enter [1]. For Global Keypads, enter [0].

NOTE: LED and ICON keypads cannot be programmed as Global Keypads.

5. Enter Partition and Slot Assignment.

Press [0] for Partition and Slot Assignment

1. Enter Installer Programming by pressing [*][8][Installer’s Code]

2. Press [000] for Keypad Programming

3. Press [0] for Partition and Slot Assignment

4. Enter the 1st digit (0 to 8 for partition assignment)

5. Enter the 2nd digit (1 to 8 for slot assignment supervision)

6. Press the [#] key twice to exit programming.

7. After assigning all keypads, perform a supervisory reset by entering [*][8][Installer’s Code][902] and wait for 60 seconds.

8. Press the [#] key to exit programming after 60 seconds.

Changing Brightness/Contrast

LCD Keypads

1. Press [*][6][Master Code].

2. Use the [<] [>] keys to scroll to either Brightness Control or Contrast Control.

3. Press [*] to select the setting you want to adjust.

4. a) ‘Brightness Control’: There are multiple backlighting levels. Use the [<] [>] keys to scroll to the desired level.

5. b) ‘Contrast Control’: There are 10 different display contrast levels. Use the [<] [>] keys to scroll to the desired level.

6. To exit, press [#].

LED/ICON Keypads

1. Press [*][6][Master Code].

2. Use the [>] key to move through the 4 different backlighting levels.

3. The level is automatically saved when you press [#] to exit.

Changing the Buzzer Level

LCD Keypads

1. Press [*][6][Master Code].

2. Use the [<] [>] keys to scroll to Buzzer Control.

3. There are 21 different levels, use the [<] [>] keys to scroll to the desired level.

4. To exit, press [#].

LED/ICON Keypads

1. Press [*][6][Master Code].

2. Use the [>] key to move through the 21 different buzzer levels.

3. The level is automatically saved when you press [#] to exit.
Limited Warranty
Digital Security Controls 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 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 such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls. Digital Security Controls neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

Warning: Digital Security Controls recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected. Important Information: Changes or modifications not expressly approved by Digital Security Controls could void the user’s authority to use this equipment.

FCC Compliance Statement
Caution: Changes or modifications not expressly approved by Digital Security Controls 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.
**Keypad Enrollment**
Enter keypad programming by pressing [**][8][Installer’s Code][000].

**[0] Partition / Slot Assignment**

<table>
<thead>
<tr>
<th>Digit</th>
<th>Option</th>
<th>Valid Range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Partition Assignment</td>
<td>0 to 8</td>
<td>1</td>
</tr>
<tr>
<td>2nd</td>
<td>Slot Assignment</td>
<td>1 to 8</td>
<td>LED,ICON=1/LCD=8</td>
</tr>
</tbody>
</table>

**[1]-[5] Function Key Assignment**

<table>
<thead>
<tr>
<th>Function Key</th>
<th>Button</th>
<th>Valid Range</th>
<th>Default</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>00 to 32</td>
<td>03</td>
<td>Stay Arm</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>00 to 32</td>
<td>04</td>
<td>Away Arm</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>00 to 32</td>
<td>06</td>
<td>Chime On/Off</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>00 to 32</td>
<td>14</td>
<td>Command Output 2</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>00 to 32</td>
<td>16</td>
<td>Quick Exit</td>
</tr>
</tbody>
</table>

**Keypad Function Keys**

Please see your system installation manual for a complete list of all the function key options available for your system.

- **00** - Null
- **08** - Bypass Mode
- **09** - Trouble Display
- **10** - Alarm Memory
- **11** - User Programming
- **12** - User Functions
- **13** - Command Output 1
- **14** - Chime On/Off
- **15** - System Test
- **17** - Activate Stay/Away
- **18** - Quick Arm prompt
- **19** - Command Output 3
- **20** - Command Output 4
- **22** - Activate Camera
- **23** - Bypass Recall
- **24** - Bypass Group Recall
- **25** - Time & Date Program
- **26** - Quick Exit
- **27** - Partition 3 Select
- **28** - Partition 4 Select
- **29** - Partition 5 Select
- **30** - Partition 6 Select
- **31** - Partition 7 Select
- **32** - Partition 8 Select

**Keypad Programming**
Enter keypad programming by pressing [**][8][Installer Code][**].

**[001]-[064] Zone Label 1 to 64 (PK5500\RFK5500 Only)**
ex. For Zone 1 enter section [001], for Zone 2 enter section [002] etc. Default: “Zone 1” - “Zone 64”

<table>
<thead>
<tr>
<th>Section</th>
<th>Zone</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>[001]</td>
<td>1 to 64</td>
<td></td>
</tr>
</tbody>
</table>

**[065] Fire Alarm Label (28 Characters) (PK5500\RFK5500 Only)**
Default: “Fire Zone”

**[066] Fail to Arm Event Message (PK5500\RFK5500 Only)**
Default: “System Has Failed to Arm”

**[067] Alarm When Armed Event Message (PK5500\RFK5500 Only)**
Default: “Alarm Occurred While Armed < >”

**[071] First User Display Mask**

<table>
<thead>
<tr>
<th>Option</th>
<th>ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hold [P]anic Key prompt</td>
</tr>
<tr>
<td>2</td>
<td>Auto-arm Control/Time prompt</td>
</tr>
<tr>
<td>3</td>
<td>Quick Arm prompt</td>
</tr>
<tr>
<td>4</td>
<td>Interior Arm prompt</td>
</tr>
<tr>
<td>5</td>
<td>Quick Exit prompt</td>
</tr>
<tr>
<td>6</td>
<td>Thermostat Control prompt</td>
</tr>
<tr>
<td>7</td>
<td>ACK All Trouble Prompt</td>
</tr>
<tr>
<td>8</td>
<td>Music Input prompt</td>
</tr>
</tbody>
</table>

**[072] Second User Display Mask**

<table>
<thead>
<tr>
<th>Option</th>
<th>ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>User-initiated Call-up prompt</td>
</tr>
<tr>
<td>2</td>
<td>For Future Use</td>
</tr>
<tr>
<td>3</td>
<td>Walk Test prompt</td>
</tr>
<tr>
<td>4</td>
<td>Command Output #1 prompt</td>
</tr>
<tr>
<td>5</td>
<td>Command Output #2 prompt</td>
</tr>
<tr>
<td>6</td>
<td>Command Output #3 prompt</td>
</tr>
<tr>
<td>7</td>
<td>Command Output #4 prompt</td>
</tr>
<tr>
<td>8</td>
<td>For Future Use</td>
</tr>
</tbody>
</table>

**[073] Download LCD Message Duration (PK5500\RFK5500 Only)**
Default: 003 (Valid entries are 000-255), 000 = Unlimited Message Disp.

This number represents the number of times the Downloaded message is cleared by pressing any key while the message is up after timeout).
### Key Options

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>[F]ire Key Enabled</td>
<td>[F]ire Key Disabled</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Auxiliary Key Enabled</td>
<td>Auxiliary Key Disabled</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Panic Key Enabled</td>
<td>Panic Key Disabled</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>4-8 For Future Use</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### First Keypad Options

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Display Code when Programming</td>
<td>Display “Xs” when Programming</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Local Clock Display ON</td>
<td>Local Clock Display OFF</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>Local Clock Displays 24-hr Time</td>
<td>Local Clock Displays AM/PM</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Auto Alarm Memory Scroll Enabled</td>
<td>Auto Alarm Memory Scroll Disabled</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>Local Display of Temperature ON</td>
<td>Local Display of Temperature OFF</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Bypass Options prompt ON</td>
<td>Bypass Options prompt OFF</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>For Future Use</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>Auto-Scroll Open Zones ON</td>
<td>Auto-Scroll Open Zones OFF</td>
<td></td>
</tr>
</tbody>
</table>

### Second Keypad Options

<table>
<thead>
<tr>
<th>Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Chime Enabled for Zone Openings</td>
<td>Chime Disabled for Zone Openings</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Chime Enabled for Zone Closings</td>
<td>Chime Disabled for Zone Closings</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>5th Terminal is Keypad PGM Output</td>
<td>5th Terminal is Keypad Zone Input</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Language Selection from Any Menu</td>
<td>Language Selection From Installer’s</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>Power LED Enabled</td>
<td>Power LED Disabled</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Power LED indicates AC present</td>
<td>Power LED indicates AC absent</td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td>Alarms always Displayed When Armed</td>
<td>Alarms not Displayed When Armed</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>Low Temperature Warning Enabled</td>
<td>Low Temperature Warning Disabled</td>
<td></td>
</tr>
</tbody>
</table>

### PGM Terminal 1

Default: 01 PGM Output Number

### Partition Labels

<table>
<thead>
<tr>
<th>Section</th>
<th>Partition</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>[101]</td>
<td>1 to 8</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Partition 1 Label is also used as the System Label

---

### Command Output Labels

Default: “Command_O/P_1” - “Command_O/P_4”

### Door Chime Sound Programming

You can program the keypad to make up to four different door chime sounds for individual zones.

<table>
<thead>
<tr>
<th>Section</th>
<th>Part</th>
<th>Cmd.</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>[120]</td>
<td>1</td>
<td>6 Beeps</td>
<td>Disabled</td>
</tr>
<tr>
<td>[120]</td>
<td>2</td>
<td>“Bing-Bing” Sound</td>
<td>Disabled</td>
</tr>
<tr>
<td>[120]</td>
<td>3</td>
<td>“Ding-Dong” Sound</td>
<td>Disabled</td>
</tr>
<tr>
<td>[120]</td>
<td>4</td>
<td>Alarm Tone</td>
<td>Disabled</td>
</tr>
<tr>
<td>[120]</td>
<td>5-8</td>
<td>For Future Use</td>
<td></td>
</tr>
</tbody>
</table>

### Keypad Display Symbols

- **Bypass** — Indicates that there are zones automatically or manually bypassed.
- **Arm Mode** — Indicates the mode the panel is armed in.
- **Stay** — Indicates that the panel is armed in the Stay Mode. It will turn on at the beginning of the Exit Delay.
- **Away** — Indicates that the panel is armed in the Away Mode. It will turn on at the beginning of the Exit Delay.
- **Chime** — This icon turns on when Door Chime is enabled on the system and will turn off when Door Chime is disabled.
- **Open** — When zones are opened, this icon will turn on, and 7 segment displays 1 and 2 will scroll through the open zones.

---

### Reset Options

- **[995]** Reset Keypad Options to Factory Default
- **[996]** Label Default (PK5500\RFK5500 Only)
- **[997]** View Software Version (PK5500\RFK5500 Only)
- **[998]** Initiate Global Label Broadcast (PK5500\RFK5500 Only)
- **[999]** Reset Keypad EEPROM to Factory Defaults
**Wireless Integration (RFK55XX Only)**

**Compatible Wireless Devices (RFK55XX-433 Only)**

The RFK55XX can receive signals from the following devices:

- WLS914-433 Pet Immune PIR
- WLS912L-433 Glass Break Detector
- WS4965 Tri-Zone Contact
- WLS904(P)I-433 Pet Immune PIR
- WS4938 Panic Button
- WLS925L-433 Mini Door/Window Contact
- WS4916 Smoke Detector
- WS49X9 Wireless Keys

**Downloading**

The RFK55XX product has an integrated wireless receiver. When downloading to this keypad, please select the PC5132-433 v5.1 file. DLS2002 and greater must be used in order to have the capability of downloading to this keypad.

**Testing Wireless Devices**

1. Temporarily put the wireless devices in the places you want to mount them.
2. At a system keypad, enter \*[8][Installer Code].
3. Enter programming section [904], then enter the two digit zone number.
4. Activate the device being tested until a result is displayed on the keypad or sounded by the keypad or bell.

**Replacing Wireless Device Batteries**

1. Remove the cover of the device from its backplate. This creates a tamper condition on the zone.
2. Refer to the battery installation instructions on the Installation Sheet of each component. Be sure to note the proper orientation of the batteries as you install them.
3. When the fresh batteries are in place, re-attach the cover to the backplate. The tamper is restored and the zone sends a battery trouble restoral signal to the receiver. The battery trouble is now clear and the device should function normally.

**Troubleshooting**

1. When I enter the 2-digit zone number when adding a wireless device, the keypad gives me a long beep.
   - You cannot enter ESNs unless the RFK55XX is properly connected to the Keybus.
2. I have entered the ESN for the device but when I violate the device, the zone does not show open on the keypad.
   - Ensure the ESN has been entered correctly
   - Ensure that the zone is enabled for the partition (if partition programming is used).
   - Ensure that the wireless zone is not assigned to a zone used by PC5108 modules, an on-board zone or a keypad zone.
   - Ensure that the zone is programmed for something other than “Null Operation” and that the wireless zone attribute is turned on.
3. When I try a module placement test I get no result or “Bad” results.
   - Verify that you are testing the correct zone
   - Verify that the correct ESN was entered when the device was enrolled
   - Verify that the device is in range of the RFK55XX. Try testing the device in the same room as the receiver.
   - Confirm that the RFK55XX is properly connected to the Keybus.
   - Check that you are testing the zone correctly. Refer to the instructions that came with the zone.
   - Check that the batteries are working and installed correctly.
   - Look for large metal objects that may be preventing the signal from reaching the RFK55XX.

**Testing Portable Device Reception**

To test portable devices (e.g., WS4938, WS4939) press the button(s) at several different points in the installation, to confirm the coverage area. If these devices do not operate from all points in the installation, you will need to move the RFK55XX.

**Notes:**

- The device must be located where consistent “Good” results are obtained. If several devices show “Bad” results, or if panic pendants and wireless keys operate inconsistently, move the receiver.
- The LED on the motion detector does not turn on when I walk in front of the unit.
- The LED on the motion detector is for walk test purposes only. See your WLS904-433/WLS904P(L)-433 Instruction Sheet for walk test instructions.

**Result LED/ICON Keypad LCD Keypad Bell/Buzzer**

<table>
<thead>
<tr>
<th>Result</th>
<th>LED/ICON Keypad</th>
<th>LCD Keypad</th>
<th>Bell/Buzzer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good</td>
<td>Light 1 ON</td>
<td>Good</td>
<td>1 Beep/Squawk</td>
</tr>
<tr>
<td>Bad</td>
<td>Light 3 ON</td>
<td>Bad</td>
<td>3 Beeps/Squawks</td>
</tr>
</tbody>
</table>

Activate the device until you get 3 good results in a row. Wait 10 seconds between each test on the same device. You may mount wireless devices where results were good.

Devices indicating a bad result must be moved to another location. You may only have to move the device a few inches to correct a bad result.

**NOTE:** Do not mount any device where a “bad” test result was indicated.

- WLS914-433 Pet Immune PIR
- WLS912L-433 Glass Break Detector
- WS4965 Tri-Zone Contact
- WLS904(P)I-433 Pet Immune PIR
- WS4938 Panic Button
- WLS925L-433 Mini Door/Window Contact
- WS4916 Smoke Detector
- WS49X9 Wireless Keys
### Wireless Programming (RFK55XX Only)

Enter Wireless programming by pressing [Installer's Code][804]

#### [01]-[32] Wireless Device Serial Number

<table>
<thead>
<tr>
<th>Zone</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td></td>
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<tr>
<td>05</td>
<td></td>
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<tr>
<td>06</td>
<td></td>
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<tr>
<td>07</td>
<td></td>
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<tr>
<td>08</td>
<td></td>
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<tr>
<td>09</td>
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<td>10</td>
<td></td>
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<td>11</td>
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<td>12</td>
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<td>13</td>
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<td>14</td>
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<td>16</td>
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<td></td>
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<td>19</td>
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<td>21</td>
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<td></td>
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<td></td>
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<tr>
<td>30</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td></td>
</tr>
</tbody>
</table>

**Default = 000000**

#### [41]-[56] Wireless Key Serial Number

<table>
<thead>
<tr>
<th>Key</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td></td>
</tr>
<tr>
<td>43</td>
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<td>44</td>
<td></td>
</tr>
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<td>45</td>
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<tr>
<td>46</td>
<td></td>
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<td>47</td>
<td></td>
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<td>48</td>
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<td>49</td>
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<td>51</td>
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<td>52</td>
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</tr>
<tr>
<td>55</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td></td>
</tr>
</tbody>
</table>

**Default = 000000**

### Keypad Function Keys

Please see your system installation manual for a complete list of all the function key options available for your system.

- **[00]** - Null
- **[06]** - Chime On/Off
- **[16]** - Quick Exit
- **[27]** - Disarm
- **[03]** - Stay Arm
- **[07]** - System Test
- **[17]** - Activate Stay/Away
- **[28]** - Fire Alarm
- **[04]** - Away Arm
- **[13]** - Command Output 1
- **[19]** - Command Output 3
- **[29]** - Auxiliary Alarm
- **[05]** - No Entry Arm
- **[14]** - Command Output 2
- **[21]** - Command Output 4
- **[30]** - Panic Alarm

#### Wireless Keys (1-16) Partition Assignments

<table>
<thead>
<tr>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
</tr>
<tr>
<td>02</td>
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<tr>
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</tr>
<tr>
<td>04</td>
</tr>
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<td>05</td>
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<tr>
<td>06</td>
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<tr>
<td>07</td>
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<tr>
<td>08</td>
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<tr>
<td>09</td>
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<tr>
<td>10</td>
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<tr>
<td>11</td>
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<tr>
<td>12</td>
</tr>
<tr>
<td>13</td>
</tr>
<tr>
<td>14</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>16</td>
</tr>
</tbody>
</table>

#### Wireless supervisory Window

Default: [NA] 96 = 24 hours / [EU] 10 = 2.5 hours

The window is programmed in 15 minute increments. Valid entries are 10 to 96, equal to 2.5 to 24 hours.

#### Zone Device Supervision Options

<table>
<thead>
<tr>
<th>[82] Zone</th>
<th>[83] Zone</th>
<th>[84] Zone</th>
<th>[85] Zone</th>
<th>Supervision ON/Off</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Option 1</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
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<tr>
<td>Option 2</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Option 3</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Option 4</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Option 5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Option 6</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Option 7</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Option 8</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
</tr>
</tbody>
</table>

#### Other Options

- **[88]** - Chime On/Off
- **[89]** - System Test
- **[90]** - Command Output 1
- **[91]** - Command Output 2
- **[92]** - Command Output 3
- **[93]** - Command Output 4
- **[94]** - Quick Exit
- **[95]** - Panic Alarm

**[90] Other Options**

<table>
<thead>
<tr>
<th>NA</th>
<th>EU Default</th>
<th>Option</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>1-4</td>
<td>For Future Use</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>5</td>
<td>RF Delinquency Disabled</td>
<td>RF Delinquency Enabled</td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>6</td>
<td>For Future Use</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>7</td>
<td>RF Jam Detect Disabled</td>
<td>RF Jam Detect Enabled</td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>8</td>
<td>Global Placement Test</td>
<td>Individual Placement Test</td>
</tr>
</tbody>
</table>

**NOTE:** For UL Listed installations, the RF Jam detect feature must be enabled.

**NOTE:** For DDZ43 installations, the RF Delinquency feature should be enabled.

**NOTE:** Supervision must be enabled for RF Delinquency.

### RF Jam Detect Zone

Default: 00

Valid entries = 01 - 32, 00 = No RF Jam tone selected.

Select an unused zone that will be set to the tamper state when a jamming signal is detected.
<table>
<thead>
<tr>
<th>Section 5</th>
<th>Suite Alarm System</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. DSC PC1616 Control Panel</td>
</tr>
<tr>
<td></td>
<td>2. DSC RFK5508 Keypad</td>
</tr>
<tr>
<td></td>
<td>3. DSC LC-100-PI PIR</td>
</tr>
<tr>
<td></td>
<td>4. DSC Vanishing Door/Window Contact</td>
</tr>
</tbody>
</table>
**PowerSeries v4.6 Control Panels**

**Features That Make a Difference:**
- Convenience of easy wireless device enrollment process
- Additional wireless zones – up to 64 in total
- Library of over 250 pre-configured labels
- Compatible with C24 Interactive

**Standard PowerSeries Features:**
- Template Programming
- Account Code Error Checking
- Alternate Communications via GPRS and IP
- Local and Remote Downloading
- Programmable Daylight Savings Time
- Automatic CID
- 2-way Audio
- 1 Time Use Code
- Keypad Lockout

**PowerSeries v4.6 Control Panels: Simply Powerful**
Introducing the new PowerSeries v4.6 Control Panel from DSC. This feature-rich and reliable intrusion alarm control panel easily integrates with an array of compatible components to deliver a scalable solution. PowerSeries v4.6 makes installation easy, simple and fast without compromising flexibility of design.

**Even More Available Wireless Zones**
To accommodate the move to more and more wireless devices and detectors, the PowerSeries PC 1864 has 64 wireless zones – double the capacity of earlier versions. This provides the scalability and flexibility a control panel needs to support requirements both now and in the future.

**Label Programming Made Easy with Pre-loaded Library**
With a library of over 250 commonly-used names in English, French and Spanish, label programming is now a snap with the PowerSeries v4.6. Installers can now assign a unique 3-digit code to display a full descriptive label (e.g., code 190 displays ‘Window’), avoiding time and mistakes with more conventional keypad entry. For additional customization, other pertinent details can also be added, such as the zone or floor to make it easy for the owner to identify faults (e.g., ‘Bedroom Window’).

**Convenient Wireless Device Enrollment Reduces Installation Time**
Enrolling wireless devices and detectors is quick and easy with the PowerSeries v4.6 – reducing onsite installation time. With the wireless device enrollment process, installers are not required to manually program serial numbers or wireless attributes. Instead, enrollment is completed by confirming Electronic Serial Numbers (ESN), zone numbers and zone type through a series of user-friendly screens.

Contact your DSC distributor.
www.dsc.com | 1-888-888-7838
**Compatible with C24 Interactive**

The PowerSeries v4.6 Control Panel is compatible with the innovative C24 Interactive product line. Integrating these two lines provides accountability and control to end users with a scalable solution. C24 Interactive offers a range of pre-defined security options from simple notification to automated “control and connect”. Ideal for both new and existing end users, C24 Interactive options can be easily added as requirements evolve, creating long-term and entrenched revenue streams today and tomorrow – all supported by PowerSeries v4.6.

**Simply Powerful**

Put the PowerSeries v4.6 Control Panel to work at the centre of any security installation from small residential to medium-sized commercial installations. Designed with users in mind, installers now have an easy-to-install system with a range of features all backed by DSC’s proven reputation. Simply powerful.

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>PC1616</th>
<th>PC1832</th>
<th>PC1864</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>16.5 VAC/40 VA @ 50/60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Draw (Panel)</td>
<td>110 mA (Nominal)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auxiliary &amp; Output</td>
<td>13.75 ± 5% Vdc /700 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bell Output</td>
<td>13.75 ± 5% Vdc /700 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Environment</td>
<td>32° to 120° F (0° to 49° C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>93%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Compatibility**

- User Interfaces - LED, Icon and Full Message LCD, NEW PTK Touchscreen
- C24 Interactive
- Wireless Receivers, Devices and Detectors
- Audio Alarm Verification
- Telephone Interface/Automation Control
- High & Low Current Output Expansion
- Alternate Communication Options
- Hardwired Expansion and Detectors
- Addressable Expansion and Detectors
- Windows™ Software for PC Downloading
- Access Control Integration

**PowerSeries v4.6 Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>PC1616</th>
<th>PC1832</th>
<th>PC1864</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Board Zones</td>
<td>6</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Hardwired Zones</td>
<td>16 (1 x PC5108)</td>
<td>32 (1 x PC5108)</td>
<td>64 (1 x PC5108)</td>
</tr>
<tr>
<td>Wireless Zones</td>
<td>32</td>
<td>32</td>
<td>64</td>
</tr>
<tr>
<td>Keypad Zone Support</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
| On-board PGM Outputs           | PGM 1 = 50 mA  
PGM 2 = 300 mA                     | PGM 1 = 50 mA  
PGM 2 = 300 mA                     | PGM 1,3,4 = 50 mA  
PGM 2 = 300 mA                     |
| PGM Expansion                  | 8 x 50 mA (PC5208)  
4 x 500 mA (PC5204)               | 8 x 50 mA (PC5208)  
4 x 500 mA (PC5204)               | 8 x 50 mA (PC5208)  
4 x 500 mA (PC5204)               |
| Keypads                        | 8      | 8      | 8      |
| Partitions                     | 2      | 4      | 8      |
| User Codes                     | 47+ Master Codes    
47+ Master Codes                  | 71+ Master Codes    
71+ Master Codes                   | 94+ Master Codes    
94+ Master Codes                     |
| Event Buffer                   | 500 Events        | 500 Events      | 500 Events      |
| Battery Required               | 4 Ah / 7 Ah / 14 Ahr | 4 Ah / 7 Ah / 14 Ahr | 4 Ah / 7 Ah / 14 Ahr |
| Bell Output                    | 12 V / 700 mA (cont) | 12 V / 700 mA (cont) | 12 V / 700 mA (cont) |
Wireless Convenience in an Attractive Package

DSC continues to lead the industry with its wireless solutions. No where is this commitment more clear than with the PowerSeries high-quality, slim-profile keypads with built-in wireless receivers.

With four options to choose from, these keypads are designed with a clean, unobtrusive look that homeowners welcome and installers will appreciate for their easy programming and installation. They include all of the same features as their hardwired equivalents and are able to support 32 wireless zones and 16 wireless keys without taking up a wireless zone slot.

Features that make a difference:

Common to all Keypads:
- Modern, slim-line landscape keypads
- Large, backlit keypad buttons
- 5 programmable function keys
- Programmable Input/Output terminal
- Individual FAP keys
- Multiple door chime per zone
- Adjustable backlight and keypad buzzer
- Wire channel
- Dual wall-mount and front cover tamper
- Easy-to-install mounting hinge
- Surface or single-gang box mount

Contact your DSC distributor
www.dsc.com | 1-888-888-7838
Feature Rich
The keypads feature an input/output terminal that can be programmed to operate as a zone input, programmable output or as a low temperature sensor. The keypads also include adjustable backlit keys that address low-light situations. The RFK5500 64-zone full-message keypad supports eight languages, global partition status and full, 32-character programmable phrases.

Easy To Use
To simplify usage, the keypads feature five programmable keys for easy one-button activation of system functions. The default tasks assigned to the five function keys are stay arming, away arming, door chime, smoke detector reset and quick exit. With the quick exit function there’s no need to disarm and re-arm the system every time an occupant leaves the house or lets the dog out, for example.

Wireless Convenience
DSC offers a large portfolio of reliable wireless devices and detectors to help make your toughest installations simpler. The integrated DSC approach has resulted in an unparalleled spectrum of unique interchangeable component alternatives. They can be configured for every circumstance, providing safe, reliable protection.

- Revolutionary reliability
- Long-life lithium batteries
- Attractive, compact designs
- New technology for greater signal range and accuracy

Some products you will definitely want to consider are:
- WS4945 Wireless Door/Window Contact
- EV-DW4975 Vanishing Contact
- EV-DW4917 Wireless Recessed Door Transmitter
- WS4916 Wireless Photoelectric Smoke Detector
- WLS914-433 Wireless Pet-Immune Passive Infrared Detector
- WS4965 Tri-Zone Wireless Door/Window Contact
- WS4913 Wireless Carbon Monoxide Detector
- WS4939 4-Button Wireless Key

And many more. Ask your distributor for details.

Compatibility
The keypads are compatible with all PowerSeries control panels and all 433 MHz wireless devices from DSC.

Specifications
Dimensions............................... 6 1/16” x 4 7/16” x 13/16”
(154 mm x 113 mm x 20.5 mm)
LCD Viewable Area........................... 3 9/10” x 15/16”
(99 mm x 24 mm)
Current Draw .................................. 125 mA (Max)
Voltage ........................................ 12 VDC Nominal
Operating Environment ................. 32° to 120° F
(0° to 49° C)
Relative Humidity ......................... 5 to 93%

Ordering Information:
RFK5500 ..................................... 433 MHz Wireless 64-Zone
Full-Message LCD Keypad
RFK5501 ..................................... 433 MHz Wireless 64-Zone
LCD Picture ICON Keypad
RFK5516 ..................... 433 MHz Wireless 16-Zone LED Keypad
RFK5508 ..................... 433 MHz Wireless 8-Zone LED Keypad

Full message LCD Keypad languages supported:
Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Slovak, Spanish, Swedish
Features That Make a Difference:

- Form ‘A’ alarm contact and tamper switch
- Digital signal analysis
- Slim profile design
- Features ABS plastic for shock and impact protection
- Exceptional white light immunity
- Pet immunity up to 55 lbs (25 kg)
- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets
- Advanced ASIC-based electronics Compact design for residential installations
- Adjustable variable pulse count
- PIR sensitivity adjustment
- Height installation calibration free
- Available in packages of 6 (LC-100-PI-6PK)

Whether it's a residential or commercial installation, the LC series of detection devices readies a security system for the unexpected by providing protection for every room, corner and corridor.

The LC-100-PI effectively blends performance with competitive pricing. The detector features intelligent signal analysis for reliable detection, pet immunity up to 55 lbs (25 kg) and a slim design that complements any décor.
Reliable Protection
Advanced ASIC-based processing provides both superior detection and false alarm rejection to help keep people and possessions secure. Quad Linear Imaging Technology provides sharp analysis of body dimensions and differentiation from backgrounds and pets.

Digital Signal Processing
Effective motion detection is dependent on a sensor’s ability to identify intruders and provide true false alarm resistance. The LC series of detection devices pinpoints intruders through digital signal processing. Digital information is more accurately analyzed using software and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping.

Pet Immunity
Highly accurate sensors are able to provide quality detection while at the same time ignoring pets weighing up to 55 lbs (25 kg).

Fast and Easy Installation
Once the detector is installed at the recommended height, installers simply conduct a brief walk-test, make any necessary adjustments, and the unit is ready to perform. Highly visible LEDs can be viewed at a glance and help the installer identify the detection range from any distance or angle within the coverage pattern.

Locating the Detector
When choosing a location for the detector, be sure to consider the following:
- Do not aim the detector at reflective surfaces
- Avoid locations that are subject to direct high air flow
- Do not locate the detector in the path of direct or reflected sunlight
- Do not place next to large obstructions that may limit the coverage area

Detection Range Adjustment
The detection range of the motion detector is adjustable to from 16’ to 49’ (5 m to 15 m). A potentiometer can be adjusted clockwise or counter-clockwise to increase or decrease the range respectively. For optimum performance, range should be adjusted so that it effectively protects the dimensions of the intended area.

Specifications
- Dimensions.................. 3.62" x 2.46" x 1.57" (92 mm x 62.5 mm x 40 mm)
- Weight................................. 58 gr (2.04 oz)
- Detection Method................. Quad (Four Element) PIR
- Power Input .................. 9.6 to 16 VDC
- Current Draw (Standby) ......... 8 mA (± 5%)
- Current Draw (Active) .......... 12 mA (± 5%)
- Tamper Switch: Contact Rating .... 0.1 Amp @ 28 VDC
- RFI Protection ...... 10 V/m plus 80% AM from 80-2000 MHz
Wireless Vanishing Door/Window Contact
EV-DW4975

Features That Make a Difference:

- Wafer-thin profile
- Long-life lithium battery included
- 5/8” (16 mm) maximum magnet gap
- Double-sided tape (included)
- Smooth-back plastics
- Reliable 433 MHz technology

Installs in Seconds & Virtually Vanishes

Among the smallest wireless door/window contact currently available, the wafer-thin profile of the EV-DW4975 provides a streamlined, practically non-existent look once installed. The contact can be easily mounted to a window frame with double-sided tape, eliminating the need for drilling. This not only reduces installation times but also retains the integrity of window warranties. A generous magnet gap of 5/8” (16 mm) easily accommodates larger door or window frames. The EV-DW4975 is built with reliable 433 MHz technology and is compatible with all current DSC wireless receivers.

Value Added

Significantly smaller than competitor door/window contacts, the EV-DW4975 is housed within a compact casing that allows it to be used for the tightest-fitting installations. Once installed, the contact is inconspicuous and complements the décor of most homes. It is built with reliable 433 MHz technology, uses a long-life lithium battery and is compatible with all current DSC wireless receivers.
Compatibility

The EV-DW4975 is compatible with the following receivers:

- IMPASSA Self-Contained 2-Way Wireless Security System
- ALEXOR 2-Way Wireless Security System
- SCW9045/9047 Self-Contained Wireless Security System
- PowerSeries Wireless Receivers PC5132-433 / RF5132-433 / RF5108-433 / TR5164-433
- PowerSeries RFK Keypads RFK55XX-433
- MAXSYS Wireless Receivers PC4164-433 / RF4164-433
- WS4920 Wireless Repeater

Specifications

Dimensions..............................................2 ¾” x 1” x 15/64” (57 mm x 25.4 mm x 5.9 mm)

Battery ...............................................CR2032 (3V Lithium)

Battery Life .............................................5-8 Years (Typical)

Operating Temperature .....................-10° to 50°C (14° to 122°F)

Relative Humidity ..............................................5% to 93%