

**DSC**<sup>®</sup>Wireless Panel  
**ALEXOR**


# THE POWER OF SPEED

**Greater Protection. Complete Security.**

How would you like to offer your customers a security system that provides complete security via a host of devices, including keypads, sirens, detectors and wireless keys, and also supports GSM and IP communications – all of it wirelessly? DSC's 2-Way Wireless Security Suite delivers just that... and so much more.

**The Power of Speed with Wireless Installation  
Less install time + more installs = more revenue**

The Alexor Wireless Panel is the center component of DSC's 2-Way Wireless Security Suite. Because it operates completely wirelessly, installers have fewer holes to drill and fewer wires to pull. The system – with its full complement of exclusively compatible wireless accessories, detectors and keypads – takes far less time to install than traditional wired or hybrid systems. Less installation time means more installations completed throughout each day and ultimately more installation and monitoring revenue to the installer. Homeowners also benefit. Wireless installation means less waiting around and minimal compromise to the home structure.

**Security Without Compromise**

Alexor is a wireless control panel, the virtual "brain" of the security suite. Because it is a distributed system, the panel is not attached to the keypad physically, but rather wirelessly. Designed for flexible, secure installation locations within the home, as long as there is access to AC power, Alexor operates via up to four wire-free keypads (the WT5500). If the system changes its armed state or a wireless device is tampered with, Alexor will immediately be signaled and the appropriate transmission will instantly be transmitted to the monitoring station. And because the signals between Alexor Wireless Panel and its wireless peripherals are fully encrypted,



communication between all devices is exceptionally secure. The Alexor offers all the reliability of traditional wired/hybrid control panels but with all the convenience that wireless delivers.

**Additional Back-up Features via GSM/GPRS and IP Communication Streams**

DSC has designed two back-up communicators specifically for Alexor. The TL265GS Internet and GSM/GPRS Dual-Path Alarm Communicator communicates via the IP or GSM/GPRS channels, and the GS2065 GSM/GPRS Wireless Alarm Communicator through the GSM/GPRS channel. Both provide additional back-up (to the traditional phone line communication) alarm communication methods. If the phone line is tampered with, Alexor will instantly switch over to one of the back-up communication streams for its alarm signals. These options are also ideal for homes that rely on either Voice Over IP (VoIP) or mobile phones for their home phone service. With a practically plug-in and play connection to the Alexor, the communicators conveniently utilize the existing Internet connection and/or the GPRS data channel of the GSM network (depending on which communicator is chosen) to ensure high speed, reliable and secure alarm communications.

**Wireless Device Enrollment & Template Programming Further Simplify Installation**

DSC’s installation processes and programming help to further reduce the installer’s time at each job. The wireless device enrollment process ensures that installers no longer need to manually program serial numbers or wireless attributes. Instead, a series of enrollment screens prompt installers to confirm Electronic Serial Numbers (ESN), zone numbers and zone type. Template programming allows installers to quickly program the functions required for basic operation by entering a 4-digit code. Code prompts exist for pre-defined zone definitions, reporting code formats, communication call directions, and DLS setup.

**Product Features**

- Supports 32 wireless zones and 16 wireless keys (without using a zone slot)
- 16 user codes, 1 master code and 1 maintenance code
- Wireless Quick Enroll
- Template programming

- Account Code Error Checking (patent pending)
- Alternate communications via GSM/GPRS and IP
- Local and remote downloading
- 500 event buffer
- 4 communication phone numbers
- 2 Input/Output terminals
- Front and back tamper
- Onboard Siren at 85dB
- False alarm reduction features (CP-01)

**Compatibility & Supported Products**

- WT5500 2-Way Wire-Free Keypads (up to 4)
- WT4901 2-Way Indoor Wireless Sirens or WT4911 Outdoor Sirens or a combination of both (up to 4 in total)
- WT4989 2-Way Wireless Key
- WS4913 Wireless Carbon Monoxide Sensor
- WS4985 Wireless Flood Sensor
- GS2065 GSM/GPRS Communicator
- TL265GS GSM/GPRS & IP Dual-Path Communicator
- All DSC 433 MHz wireless devices

**Specifications**

Dimensions .....	8.5" x 10.5" x 2.4" (216mm x 267mm x 61 mm)
Weight .....	4.1 lbs (1.83 kg)
Current Draw.....	350 mA (Maximum)
Power Supply .....	16.5 VAC/20 VA @ 50/60 Hz
Aux Output .....	12.0-12.5 VDC/200 mA
Battery Backup .....	12 VDC @ 2.3AH (24 hr Backup)
Wireless Range.....	984ft/300m Nominal Open Air
Operating Environment .....	32° to 120° F (0° to 49° C)
Relative Humidity .....	0% to 93%

PN 3000967 R002



**DSC**

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## 2-Way Wireless Wire-Free Keypad WT5500



### Easy-to-Use Keypads Provide Secure Interface to DSC's 2-Way Wireless Security Suite

#### Greater Protection. Complete Security.

How would you like to offer your customers a security system that provides complete security via a host of devices, including keypads, sirens, detectors and wireless keys, and also supports GSM and IP communications – all of it wirelessly? DSC's 2-Way Wireless Security Suite delivers just that... and so much more.

#### Protection is Always at Hand with the WT5500 Wire-free Keypad

The compact and sleek new WT5500 Wire-Free Keypad is designed to work with the ALEXOR Wireless Panel. Since ALEXOR is mounted in a secure location within the home – away from main access areas – the WT5500 provides an easy-to-use and convenient main interface to the system. And with handy wall or free-standing desk stand mounting options and the ability to connect up to four keypads per system, installers can offer homeowners more choice in where keypads may be located throughout the home. The WT5500 can be conveniently located on the wall just inside the front door or on a desk-stand in the kitchen or even near a bedside

#### Break Free from Wires & Lengthy Installs

The WT5500 is entirely wire-free. With batteries as its main power source, it does not require any drilling or electrical

wiring for its installation and operation. With the wall mount option, the installer simply affixes the wall plate (included) onto the wall and sits the keypad on the plate. Keypad programming is simple and fast with DSC's Quick Enroll feature. The keypad also provides installer programming, so no dedicated keypad is needed for installation.

#### Security without compromise

The signals between the WT5500 and ALEXOR are fully encrypted. This prohibits unauthorized interruption or interception of the communication between the keypad and ALEXOR. And even though it is wire-free, if the WT5500 is ever tampered with or the power is removed, its off-line status will immediately signal ALEXOR and the system will instantly go into alarm, alerting authorities.



**Small in Size but Loaded with Features**

Although compact, the WT5500 still offers a host of the great features you expect from DSC keypads. These include the multiple door chimes feature which allows for pre-programmed chimes to identify specific zones. Zones can include anything from front doors, to patio doors to pool gates or specially protected cabinets. Audible beeps provide notification of alarms, entry/exit delays or status conditions and troubles. The WT5500 also features a large, easy-to-read 2x16 display and contoured, programmable, illuminated keys, as well as one-touch function keys and universally recognized icons. The WT5500P, which mirrors all the features of the WT5500, also offers proximity functionality. The prox tag\*, the PT4, (a small tag, easily attached to a key ring) allows a homeowner to arm and disarm their system, without using a code.

**Power no Problem with Battery Preservation Function & AC Option**

When the wire-free keypad is not in use, it moves into a battery preservation mode while remaining entirely online. The keypad is also equipped with a light sensor which determines the ambient light in the area and automatically adjusts the display and key backlighting. These features extend battery life. When the batteries are low, an indication light alerts the end user to change them. The user can easily remove the product from the wall mount, take off the backing and make the replacement. The WT5500D, with all the same functionality of the WT5500, also comes with a desk mount kit and AC transformer. The WT5500D can be used with AC as its primary source of power and with the battery feature as backup – an option that is ideal for use beside a bed or on a kitchen countertop. When the WT5500 is wirelessly connected to the WT4911 outdoor siren (equipped with a temperature sensor), the keypad also displays the outdoor temperature.

**\*Disarm your System in one motion with the PT4 Prox Tag from DSC**

No more fumbling at the door with armfuls of packages or worries about remembering security codes. With DSC's new PT4 Prox Tag for the WT5500P Wire-Free keypad, the ALEXOR Wireless Panel is armed or disarmed in one easy motion. Simply swipe the tag across the front of the keypad and the system is either armed or disarmed. It's that easy.

**Product features**

Feature	WT5500	WT5500P	WT5500D
Large 2x16 Display	Y	Y	Y
Intuitive Clock Programming	Y	Y	Y
Multi-Language Support	Y	Y	Y
Installer Programming	Y	Y	Y
Tamper Switch	Y	Y	Y
Multiple Door Chime	Y	Y	Y
Ambient Light Sensor	Y	Y	Y
Backlighting	Y	Y	Y
Outdoor Temperature Display	Y	Y	Y
AC status LED	Y	Y	Y
Wall Mount	Y	Y	Y
Desk Mount/AC Power	Y*	Y*	Y
Proximity Arm/Disarm	N	Y	N
Zone Support	34	34	34
Visual Arm Status During Power Save	Y	Y	Y
Number of Function Keys	5	5	5

\*Requires WT5500DMK (Desk Mount Kit)

**Compatibility**

ALEXOR Wireless Panel

**Specifications**

Dimensions .....	6.7" x 4.9" x 1.42" (170mm x 124mm x 36mm)
Weight (with backplate and battery) .....	1.0 lb (450 g)
Battery .....	4 AA batteries
Battery Life .....	1 year (typical usage)
Wireless Range .....	984ft/300m Nominal Open Air
Operating Environment .....	14F to 129F (-10C to 54C)
Relative Humidity .....	5% to 95%

PN 3009970 R004



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## 2-Way Wireless Key WT4989



### The Key to Better Security with DSC's 2-Way Wireless Security Suite

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#### The Key to Better Security

The key to a better security system is the WT4989 2-Way Wireless Key from DSC. Designed to work with the Alexor Wireless Panel, the WT4989 offers great added value to any security system installation.

#### Safe and Sound

The WT4989 provides users with management of their Alexor Wireless Panel and the added confidence of portable personal protection – directly at their fingertips. Users can arm/disarm the system easily as they approach their house or call for help from anywhere inside or in close proximity to it (via the panic button). Because the WT4989 employs 2-Way wireless, Alexor communicates to the key and vice-versa. Featuring an icon display and built-in buzzer, the WT4989 provides both visual and audible indication to the homeowner that the

operation they requested has been performed and acknowledged. System status indicators on the key alert the homeowner if the residence is in alarm or if it has recently been in alarm, before they enter the home.

#### Wireless Convenience & Remote Management

The WT4989 has five buttons, the system status button, plus four additional programmable buttons with six available function options. Programming for certain functions can include garage door openers, indoor/outdoor light operation or powered gate access. A multifunction clip allows the wireless key to be clipped to an easily accessible location like a belt, keychain or lanyard.





**Product features**

- Backlit icon display
- Built-in buzzer for audible feedback
- Key tactile feedback
- 4 one touch function keys, programmable for up to 6 functions
- 2 double touch function keys
- Status button indication
- Keylock
- Active alarm indication
- 3 second delay on panic button
- Water resistant
- Multifunction clip

**Specifications**

Dimensions .....3" x 1.6" x 0.6"  
(75mm x 40mm x 16mm)

Weight ..... 1.45 oz (41g)

Battery ..... 2 CR2032 Lithium coin cells

Battery Life ..... 3 years (typical usage)

Wireless Range ..... 492ft/150m Nominal Open Air

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

**Compatibility**

Alexor Wireless Panel

PN 30000975 Printed in Canada

Regardless of the application, the compactly designed WS4945 wireless door/window contact should be every installer's first choice for tough-to-fit installations. The contact has become the new DSC standard for door/window contacts due to its streamlined profile (30% smaller than its predecessor the WLS925L-433/WLS935L) and new design that allows for double-sided tape mounting. These features combine to help get you in and out of your jobs faster than ever before.



## Product Features:

- ▶ Replaces the WLS925L-433/WLS935L-433
- ▶ Reliable 433 MHz technology
- ▶ Small, compact design; 30% smaller than the WLS925L-433/WLS935L-433
- ▶ 1 pre-installed lithium battery with activation pull tab (included)
- ▶ 5/8" (16 mm) maximum magnet gap
- ▶ Smooth-back plastics to apply doubled-sided tape (included)
- ▶ Case and wall tamper (without using any mechanical springs)
- ▶ PCB antenna
- ▶ PCB mounted on the cover for easy installation
- ▶ Built-in reed switch
- ▶ Normally closed external contact input
- ▶ UL/ULC listed for North America; CE and RoHS compliant for Europe

## Quicker Installations

The WS4945 features a pre-installed battery that is activated by installers through a pull tab. This helps reduce installation time as casings don't need to be opened for battery insertion. Simply draw the activation pull tab and mount the contact. To help further simplify the installation process, DSC has placed the PCB on the contact's cover. If you prefer to mount the contact using screws (recommended when using the wall tamper option), the new design does not require the removal of the PCB to do so.

## Dependable & Versatile

The WS4945 is designed for dependable case- or wall-tamper detection. Depending on how the contact is purposed, it will send a signal to the alarm system if either its casing is opened or if it is forcibly removed from a wall. If the alarm system is armed when this occurs, an alarm will be activated and the central station will be notified of the violation (if programmed to do so).

The WS4945 also features an external contact input that allows a standard hardwired door to be connected to it. This is useful for installations where it is difficult to mount the magnet within the maximum allowable gap of the contact (5/8" (16 mm)).

## Value Added

Significantly smaller than many door/window contacts, the WS4945 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 WS4945 is compatible with the following receivers:

PowerSeries™ Wireless Receivers  
RF5132-433/PC5132-433 all versions and RF5108-433

MAXSYS® Wireless Receiver PC4164-433

PowerSeries RFK Keypads  
(RFK5500/RFK5501/RFK5516/RFK5508)

Fixed-Message LCD Keypad with Integrated  
Wireless Receiver RF5501-433

Envoy™ LCD Self-Contained Wireless Security  
System NT9005

## Specifications

Dimensions	2 9/10" x 1 1/2" x 14/16" (75 mm x 31 mm x 22 mm)
Battery	CR2 (3 V Lithium)
Battery Life	5-8 Years (Typical)
Operating Temperature	0 to 49 °C (32-120 °F)
Operating Humidity	5-93% RH

### Ordering Information:

WS4945	Wireless Door/Window Contact (NA Baud Rate)
WS4945BN	Wireless Door/Window Contact Brown Plastics (NA Baud Rate)
WS4945W	Wireless Door/Window Contact (EU Baud Rate)
WS4945BNW	Wireless Door/Window Contact Brown Plastics (EU Baud Rate)





**Among the most technologically advanced detectors available, the WS4904 achieves superior detection and false alarm prevention through digital signal analysis.** Digital information is more accurately analyzed using software and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping. The detector's technology adapts to changing environmental conditions by adjusting critical detection parameters to provide improved consistency of detection over all temperature ranges. Pet owners looking to be protected from false alarms can choose the WS4904P model version, a detector that is immune from pets weighing up to 60 lbs (27 kg).



## Product Features:

- ▶ Reliable 433 MHz technology
- ▶ WS4904P\* model version provides pet immunity up to 60 lbs (27 kg)
- ▶ Digital signal analysis for consistent detection throughout the coverage pattern
- ▶ Exceptional catch performance at elevated temperatures
- ▶ Patented Multi-Level Signal Processing (MLSP) for accurate detection of human IR energy over a broad range of temperatures
- ▶ High-traffic shutdown
- ▶ Temperature compensation
- ▶ PCB antenna
- ▶ 1 long-life lithium battery included; capable of up to 9 years of battery life
- ▶ Sensitivity adjustment to configure the detector for "normal" (high sensitivity) or "hostile" (low sensitivity) environments
- ▶ RoHS compliant
- ▶ FCC/IC, UL/ULC listed for North America; CE compliant for Europe

\* Only model version available in North America

## Accurate Detection

Patented Multi-Level Signal Processing (MLSP) provides for more accurate detection of human IR energy over a broad range of temperatures. It's able to maximize catch performance while providing protection against false alarm sources such as radio interference, air vents and insects.

## Wireless Reliability

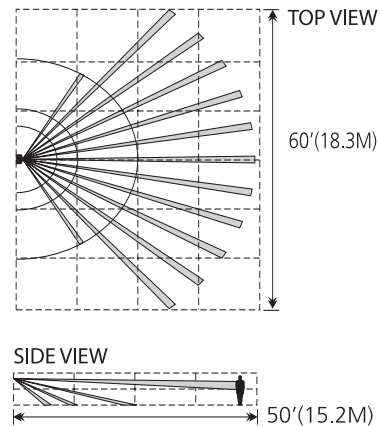
Built with reliable 433 MHz technology, the detector features the latest low-power RF technology to effectively extend battery life. The PCB antenna design provides for more consistent performance and better coverage and sensitivity.

### Ordering Information:

WS4904P*	Wireless Passive Infrared Detector with Pet Immunity (NA Baud Rate)
WS4904W	Wireless Passive Infrared Detector (EU Baud Rate)
WS4904PW	Wireless Passive Infrared Detector with Pet Immunity (EU Baud Rate)

\* Only model version available in North America

## Coverage Pattern



## Compatibility

The WS4904 is compatible with the following receivers:

PowerSeries™ Wireless Receivers  
RF5132-433/PC5132-433 all versions and RF5108-433

MAXSYS® Wireless Receiver PC4164-433

PowerSeries RFK Keypads  
(RFK5500/RFK5501/RFK5516/RFK5508)

Fixed-Message LCD Keypad with Integrated  
Wireless Receiver RF5501-433

Envoy™ LCD Self-Contained Wireless Security  
System NT9005

## Specifications

Dimensions	4 1/4" x 2 1/2" x 2 2/16" (108 mm x 63.5 mm x 54 mm)
Battery	CR123A (3 V Lithium)
Battery Life	9 Years (Typical)
Coverage	40 ft x 40 ft (12 m x 12 m) Fast Setting
Operating Temperature	-10 to 55 °C (14-131 °F)
Operating Humidity	5-93% RH



For product information  
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## 2-Way Wireless Indoor Siren WT4901



In Combination with DSC's 2-Way Wireless Security Suite, the WT4901 is the Sound Choice for your Indoor Siren

### Greater Protection. Complete Security.

How would you like to offer your customers a security system that provides complete security via a host of devices, including keypads, sirens, detectors and wireless keys, and also supports GSM and IP communications – all of it wirelessly? DSC's 2-Way Wireless Security Suite delivers just that... and so much more.

### Subtle Design with Powerful Communication

The WT4901 Wireless Indoor Siren is a fully supervised wireless siren designed to work with the ALEXOR Wireless Panel. With its sleek and modern design, the WT4901 will fit most internal spaces and is unobtrusive to the home environment. Since ALEXOR is mounted in a secure (but sometimes remote) location within the home, audible indications, via ALEXOR's onboard siren, regarding alarm triggers or smoke/fire detection may be quieter than what the WT4901 provides. And an indoor siren provides an alert to potential danger before a person moves too far into the home. With its powerful sounder, the WT4901 will annunciate these issues from its remote location but will not indicate the location of the control panel. The WT4901 also distinguishes between burglar and fire alarm by emitting different sounds for each and indicates entry and exit delays, trouble beeps and uses multiple door chimes.

### Wireless Offers Quick Installation & Flexibility

Since the WT4901 is wireless, it can be installed in numerous locations inside the home. And because it's wireless, installation time is quick —with fewer holes to drill— meaning mess-free installs and more installs throughout the day.

### Secure, Continuous Communication

The WT4901 offers 2-Way wireless and continuously supervised communication with the ALEXOR Wireless Panel. The signals between the WT4901 and the panel are fully encrypted, prohibiting



unauthorized interruption of communication between the two. If the WT4901 is tampered with, ALEXOR will immediately be signaled and the appropriate transmission will instantly be transmitted to the monitoring station. Additionally, one of the other sirens (either indoor or outdoor or ALEXOR's onboard siren itself) installed on the system will make up for the absence of the WT4901. Up to four sirens can be installed on the ALEXOR Wireless Panel.



**Product features**

- Siren output is 85dB
- Siren sounds for: Alarms, Door Chime, Entry and Exit Delay, Trouble Indications
- Transmits module status including tamper, low battery and RF fault
- Onboard test button
- Case and wall tamper
- Up to 4 sirens per system

**Compatibility**

ALEXOR Wireless Panel

**Specifications**

Dimensions .....	3.3" x 5" x 1.1" (84 mm x 127 mm x 29 mm)
Weight .....	7.76 oz (220 g)
Output .....	85dB
Battery .....	4 AA batteries
Battery Life .....	1 year (typical usage)
Wireless Range .....	984ft/300m Nominal Open Air
Operating Environment .....	32° to 122° F (0° to 50° C)
Relative Humidity .....	90%, Non-condensing

PN 30000968 R001