

IQ PANEL 2

The IQ Panel 2 uses a clean, modern user interface (UI) that takes advantage of the 7" HD, edge-to-edge, capacitive glass screen. Featuring 1280 x 800 resolution and multi-gesture capability, the panel navigates in swipes and gestures that are expected by today's consumer. Content is dynamic, so the display only shows pages for devices that have been added to the system, reducing clutter and making it intuitive and easy to use.

Leveraging the latest technology, the IQ Panel 2 features the Qualcomm Snapdragon chipset, Google Android OS and up to 6 wireless radios - 4G LTE Cellular, DualBand WiFi 802.11 AC, DSC 433MHz Security RF, Z-Wave Plus, Image Sensor and Bluetooth LE 4.0 - supporting wireless connectivity, security and home control. It boasts an all "tool-less" design with flexible mounting options, either on a wall or with the included table stand, a 5MP onboard camera, dual-path connectivity, a photo frame screensaver, and remote services powered by Alarm.com, making it most advanced and easiest system you'll ever install. Other innovative features include Bluetooth disarming, a built-in Panel Glass break detector, built-in motion detection from the 5mp panel camera and a built-in router.

SPECIFICATIONS

Items	Parameters	IQ Panel
Platform	Android OS	Android 5.1
LCD Display	Size	7 inch LCD
	Resolution	1280 x 800
	Brightness	300 cd/m2
	RGB	24bit
Touchscreen	Type	Capacitive glass multi-touch
User Codes	Up to 242	Role-based (Dealer, Installer, Master, User, Guest, Duress)
Wireless	WiFi	WiFi 802.11 a/b/g/n/ac dual band 2.4/5GHz - including built-in router capability
	Image Sensor	Proprietary Image Sensor capable of pairing with up to 5 devices
	Z-Wave Plus	119 total (Up to 80 lights, up to 6 locks, up to 6 thermostats, up to 6 garage doors, up to 21 misc)
	Cellular	4G LTE for Australia Frequency Band (with AT&T SIM Card)
	Security R/F	DSC RF 433.92 MHz, up to 128 security zones
	Bluetooth	Bluetooth Low Energy (BLE) 4.0
Radio Slots		Fits up to 4 replaceable radios
Hardwire Input	Wired x2	Wired x2 Non-powered, closed loop circuit
Siren Output	Wired x1	Wired x1 Control output only (open collector)
Flash Memory	Internal Storage	8GB NAND Flash
SD Card Slot	Push-Push	Micro SD x1
LED Indicator	Status LED	Single 3 color LED (green/yellow/red)
Speaker	Stereo 1W x 2	Stereo speakers (unified audio system)
Camera	Front Camera	5MP fixed focus
Microphone	Microphone	Stereo microphones
Internal Siren	Piezo	SPL minimum 85dB for UL985
Tamper	Tamper Switch	Panel tamper switch with spring release and reporting to status app
Battery	Type	Lithium Polymer 3200mAh
Buttons	Hard Buttons	Single wake button, all user controls through touch interface
Mechanical	Dimension	5"H x 7.75"W x .75"D (195mm x 130mm x 23mm)
Power Supply	DC	5v - 5.5v 1000mA DC adapter, Input 100-240VAC 50/50Hz
Mount	Back Plate	Wall mount or table top (stand included)
Certification	FCC	FCC: 2AAJXQSIQPANEL2 (may contain additional modules with separate FCC IDs)
	IC	IC: 11205A-QSIQPANEL2
	UL	UL-985, UL-1023, UL-1635, UL-639, UL-498A, UL-634, ULC-634, ULC-S306, CSA-C22.2
Temperature	Operational	-10 to 50 C
	Storage	-40 to 80C



From Tyco Security Products

Wireless Passive Infrared Detector **WS4904**



Features That Make a Difference:

- 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
- 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

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).

Accurate Detection

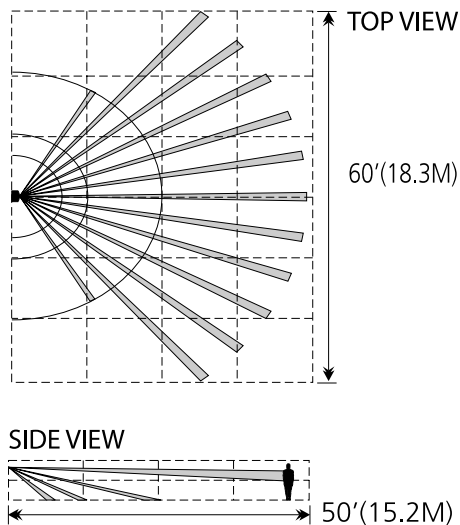
Patented Multi-Level Signal Processing (MLSP) provides for more accurate detection of human IR energy over a broad range of temperatures. It's able to maximize catch performance while providing protection against false alarm sources such as radio interference, air vents and insects.

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.

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Coverage Pattern



Compatibility

The WS4904 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.....	4 1/4" x 2 1/2" x 2 2/16"
	(108 mm x 63.5 mm x 54 mm)
Battery	CR123A (3V 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° to 131°F)
Relative Humidity	5% to 93%



A Tyco International Company

Wireless Door/Window Contact WS4945



Features That Make a Difference:

- 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

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.

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,

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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.

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)

Compatibility

- PowerSeries™ Wireless Receivers
RF5132-433/PC5132-433 all versions and RF5108-433
- MAXSYS® Wireless Receiver PC4164-433/RF4164
- PowerSeries RFK Keypads
(RFK5500/RFK5501/RFK5516/RFK5508)
- Fixed-Message LCD Keypad with Integrated Wireless Receiver RF5501-433
- SCW9045/9047 Self-Contained Wireless Security System
- IMPASSA Self-Contained Wireless Security System
- ALEXOR Distributed Wireless Security System

Specifications

Dimensions	2 ^{9/10} " × 1 ^{1/2} " × 0 ^{14/16} " (75 mm × 31 mm × 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

4-Button Wireless Key WS4939



Features That Make a Difference:

- Compact, attractive design
- Durable, scratch-resistant buttons
- 4 programmable function keys
- Powered by long-life lithium batteries (included)
- Full three-second delay on panic alarm to reduce false alarms
- Multifunction belt clip
- Reliable 433 MHz technology
- Optional generic rubber insert

Add wireless convenience and value to any DSC security system with the WS4939 4-button wireless key.

Utilizing our unique wireless technology and the latest production techniques, the WS4939 incorporates features and benefits into a sleek design that is compact and user-friendly. Users enjoy a sense of control over their security systems and the added confidence that comes with portable personal protection.

Committed To False Alarm Reduction

False alarm reduction has resulted in the introduction of activation delays that require users to press and hold a button for a period of time before its function is initiated. For example, to trigger the arm/disarm function you must press and hold the appropriate button for one second, and for the panic alert, three seconds.

A red LED indicator on the WS4939 flashes to indicate that a transmission has been sent to the security system. The LED indicator activates only after the necessary delays have expired.

Control

The WS4939 can be used to arm/disarm security systems from a distance, be programmed to trigger garage door openers, turn on lights, open powered gates or trigger panic alarms.

Versatile

A multifunction clip allows the wireless key to be clipped to a convenient location, whether it's on a belt or car visor. The WS4939 wireless key is built with reliable 433 MHz technology, uses long-life lithium batteries and is compatible with all current DSC wireless receivers.

For those not using the default settings, the three second delay on the panic alert can be removed. A generic rubber button insert without the standard icons is included and can easily be inserted.



Compatibility

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

Specifications

Dimensions 2 1/2" x 1 1/4" x 7/16"
(57 mm x 32 mm x 13 mm)

Weight..... 0.5 oz (15 g)

Operating Environment..... 32° to 120° F (0° to 49° C)

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