



A Tyco International Company



# IMPASSA

## Self-Contained 2-Way Wireless Security System

### Features That Make a Difference:

- Supports 64 wireless zones and 16 wireless keys (without using a zone slot)
- Integrated HSPA (3G) cellular communicator
- Cellular signal strength read-out to optimize placement
- 2-way wireless support
  - 1 keypad
  - 2 sirens
  - 16 wireless keys
- Real time clock update using cellular module
- Remote firmware upgrade via cellular
- Easy wireless device enrollment process
- Template programming
- Full 32-character programmable labels
- 5 programmable function keys
- Individual FAP keys
- 17 user access codes
- 500 event buffer
- Enlarged keypad buttons
- Outdoor temperature display

### The IMPASSA Strategy: Detect. Defend. Defeat.

IMPASSA is the newest, next generation wireless security system from DSC. IMPASSA comes with the defense and offense needed to protect the 'king' – the home and homeowner - including:

- An integrated HSPA (3G) cellular communicator for high speed, reliable and secure alarm communications.
- The flexibility of a distributed approach that allows wireless devices to be located wherever needed for optimal protection.

As easy as setting up a chessboard, installers can now deliver a full-featured home security solution in minutes by easily enrolling a range of compatible wireless devices into the IMPASSA security system.

### IMPASSA -- Checkmate.

### Defensive Strategy - Integrated 3G Cellular Communicator

As any good chess player knows, looking many moves ahead is critical for a checkmate. As more homeowners transition away from traditional phone lines towards VoIP (Voice over IP) or mobile wireless phones for communication, IMPASSA

delivers an alternate communication path using the cellular network.

In addition, IMPASSA includes a more traditional phone line communicator using the Plain Old Telephone Systems (POTS).

The IMPASSA integrated communicator uses proven 3G technology. This not only allows for faster data-transmission speeds, but provides a longer lifecycle as cellular providers begin to phase out their GSM (2G) networks. Just like a mobile phone, IMPASSA displays the cellular signal strength to help determine the optimal mounting position within the home. For the homeowner's convenience, the real time clock updates the time and date via the cellular communicator.

### The Flexibility of a Distributed Wireless System

Because IMPASSA is a distributed wireless system, installers have the flexibility of positioning the panel away from the premise's entry point. This allows for the installation of the



panels, keypads & modules

WT5500 2-way wireless wire-free keypad near the entry point so that even if the premise is compromised, the main unit (the IMPASSA panel) cannot be located by the intruder and tampered with.

For additional protection, install 2-way wireless sirens away from the IMPASSA alarm system to further camouflage and protect its location.

## Compatibility

- WT5500 (P) 2-Way Wireless Wire-Free Keypad
- WT4901 2-Way Wireless Indoor Sirens or WT4911 2-Way Wireless Outdoor Sirens or a combination of both (up to 2 in total)
- WT4989 2-Way Wireless Key
- WS4920 1-Way Wireless Repeater
- All DSC 433 MHz Wireless Devices

## Make your Moves Easily with IMPASSA

Once you have a good strategy in place, moving chess pieces should be quick and easy – and it is with the IMPASSA 2-Way Wireless Security System and wireless compatible devices. With only one wire needed for AC power, installers need to drill fewer holes and pull fewer wires, reducing on-site time, which leads to increased productivity and revenue. This benefits the homeowner too because it means minimal disruption to the home and less waiting around during the installation.

Using the IMPASSA 2-Way Wireless Security System also reduces the time spent enrolling compatible wireless devices. Installers confirm Electronic Serial Numbers (ESN), zone numbers and zone type through a series of user-friendly screens.

In addition, IMPASSA's template programming feature allows installers to quickly program basic functions by just entering a 4-digit code. Codes exist for pre-defined zone definitions, reporting code formats, communication call directions and DLS setup. Finally, the installer enters the monitoring station telephone number and account code, DLS access code, entry / exit delays and installer code.

## Specifications

Dimensions .....	227mm (L) x 140mm (W) x 42mm (D) (8.93" x 5.51" x 1.65")
Current Draw.....	425 mA -750 mA
Power Supply.....	16.5 VAC/20 VA @ 50/60 Hz
Aux+ Output .....	12.0-12.5 VDC/100 mA
Battery Backup .....	24 hr Backup
Operating Environment .....	0° to 49° C (32° to 120° F)
Relative Humidity.....	5% to 93%
Zone Count.....	64
Access Codes.....	17





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.

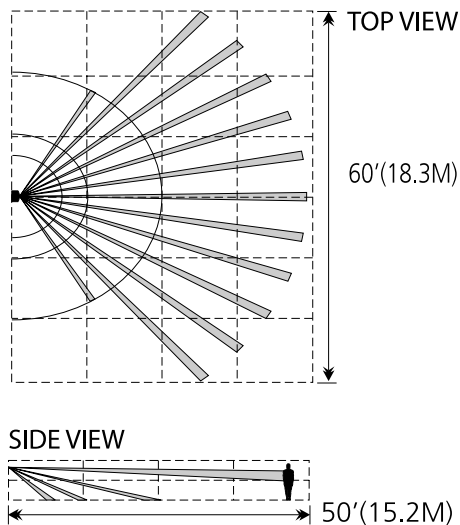
### Wireless Reliability

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.

sensors and accessories

Contact your DSC distributor  
[www.dsc.com](http://www.dsc.com) | 1-888-888-7838

## 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%