

Description

The W series control panel is a wireless hybrid alarm system. It is designed for residential and small business security applications.

The W alarm panel protects assets and persons in a defined area, thanks to the installations of RSI radio detectors.

With their LAN or 2G3G transmitters, the events are perfectly transmitted from the W and WIP panels to the security server. The available variants allow for any needed combination : LAN, 2G, 2G+LAN, 3G+LAN.

The WIP panel is fitted with two transmitters (2G3G and LAN), allowing perfect reporting to the security server.

This panel is powered by USB 5VDC (5VDC for WIP6xx, WIP7xx and WIP 8xx) through an AC adapter/charger. In case of power failure, a rechargeable lithium battery will power the system.

The following customization options allow you to configure the alarm system as needed:

- > WLAN 802.11 (WWB100) transmitter option.
- > Supervised wired input/outputs option (WIO100) to link the system to wired devices.
- > A wired and supervised siren option (WIS100) connected to the W panel also allowing the use of additional Videofied wireless sirens (indoor and outdoor).

A programming keypad is mandatory to install, set up and use the W alarm panel.

Security

With the two modes of transmission, LAN/WLAN and GSM, the W series panel ensures maximum safety. In case of LAN/WLAN connection loss, the W panel will switch immediately to GSM to transmit alarms and videos.



Supervised Wireless Technology

The W series, along with all Videofied devices uses patented Wiselink® - Spread Spectrum, Videofied, Interactive, AES Encrypted Wireless technology, providing optimum signal integrity and security.

Bi-directional RF communication between all system devices and the system control panel assure high signal reliability.

Integrated antennas eliminate protruding wires or rods cumbersome to install and unsightly to consumers, and if damaged could lead to potential system communication problems.

The panel supervises every device (excluding the remote keyfob) to monitor current open/close state, tamper condition, serial number, date of manufacture, firmware revision, and battery status.

W & WIP ALARM PANEL SERIES

ELECTRICAL DATA

Power supply	
W210, WIP 210/220/230 and WIP 330	
	5VDC/1A Mini-USB connector
AC/DC adapter (110/230VAC/50-60 Hz) available (WPS100)	
WIP 620/630 & WIP 720/730	
	12V _{DC} /1A - Wire connection

Backup battery	
Battery technology	Rechargeable 3.6V Lithium-ion battery
Capacity / Charging delay at 80%	
BMZ – 029914-00	2000 mAh / 3h
RSI Video Technologies - 1 UR 18650 A	2150 mAh / 3h
100% charge voltage	
BMZ – 029914-00	4.25V
RSI Video Technologies - 1 UR 18650 A	4.1V
Low battery treshold / Remaining autonomy	3.95 V / 36h with 6 alarms

RF Wiselink® technology	
Radio type	Bidirectional RF
Operating frequency	868MHz - WIP210/220/230 - W210 (Europe, South Africa, Asia) 865/867MHz - WIP330 (India) 915MHz - FHSS - WIP620/630 (USA, Canada, South America) 920MHz - FHSS - WIP710/720/730 (Australia, South America) 902/907.5MHz & 915/928MHz – FHSS – WIP820/830 (Brazil)
Transmission security	AES encryption algorithm
Radio jam detection	Yes
Supervision	Yes
Radio Antenna	Integrated

Tamper Detection	
Tamper	Wall and cover tamper detection

BOX

Physical and Environmental Data	
Operating temperature	-10°/+55°C
Maximum relative humidity	93%, non-condensing
International Protection Marking	IP31 / IK06
Material	ABS—ULV0

Dimensions	
Panel	143 mm x 200 mm x 44mm

Installation / Mounting	
Control Panel / Base	Two screws secures control panel cover to base Three screws secure control panel base to the wall

TRANSMISSION

Communicator	
Communicator type	2G & LAN Ethernet (WIP210) 2G (W210) LAN Ethernet (WIP220/620/720/820) 3G & LAN Ethernet (WIP230/330/630/730/830)
2G frequencies	850 / 900 / 1800 / 1900 MHz
3G frequencies	900 / 2100 MHz (WIP230, 330 & 730) 850 / 1900 MHz (WIP630)
Security protocol	Frontel
IP stack	TCP/IP
Video transmission	By Frontel protocol to central monitoring station or App servers
2G3G Antenna	Integrated

Optional modules	
Wi-Fi	WWB100 (WLAN 802.11 b/g/)
Wired Input/Outputs	WIO100 (out of NF&A2P compliance)
Wired Siren	WIS100

Video	
Video Format	WMV or MPEG
Images per second	5
Image size	320x240 or 640x480 pixels
Video length	4 to 12 seconds

Miscellaneous	
Programming	Keypad
Max number of devices	24
Max number of codes/badges	50
Arming modes	4
Areas	4
Event log	4000 events stored on flash memory

W & WIP ALARM PANEL SERIES

STANDARDS AND CERTIFICATIONS

WIP 210/220/230 and W 210		868MHz
Europe		Compliant with Directive 2014/53/EU for RED Radio Equipment Directive Intertek LSS (EN50131-2-2) Id: 16LHK0199-01
WIP 310		865/867 MHz
India		Certification in process
WIP 620/630		902/928MHz - FHSS
Argentina		WIP 620 : Certification number C-17536 WIP 630 : Certification number C-17524
Canada		IC (RSS-132 issue 3, RSS133 issue 6, RSS-247 issue 1) Id: 8816A-WP00 and 8816A-WP01
Columbia		2016866804 and 2016866806
Costa Rica		SUTEL 00622-SUTEL-DGC-2017 (WIP620 only)
Mexico		IFT Certification number RCPSIS117-0298 and RTISIS117-0216
Panama		Certification number 1703 and 1704
Peru		Certification number TRSS38418 and TRFM38417 «En Perú, este equipo diseñado para la banda de 902-928MHz, debe ser configurado para operar solo en la banda 915-928MHz con una PIRE de hasta 1W (30dBm) y sujeto a las Condiciones de Operación que establezca el MTC.»
USA		FCC Part 15C (WIP620) FCC Part 15C 22H, 24E (WIP630) Id: X46WP01 and X46WP00

WIP 720/730	915/928MHz - FHSS
Chile	2652/DO

WIP 820/830	902/907.5MHz & 915/928MHz
Brazil	 <p>Certification Number 06241-16-10210 (WIP820) 06335-16-10210 (WIP830)</p> <p>Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.</p>

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