



SERENITY™ Series Catalogue

Contents

Security Products Catalogue

Solutions and Technologies

SERENITY™ - 2 Way Wireless Security System and Solution

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SERENITY™ Series

Residential 2 Way Wireless Alarm System



Safety Home Personal Care

SERENITY™ can be used to raise an alarm call from anywhere in the home.



SERENITY CONNECT™

Mobile Application to monitor and control your system any where any time!



Security with Visual Verification

Advanced solution for alarm transmission and visual verification to CMS by TCP/IP & GSM/GPRS.



Home Automation

Serenity™ supports home automation control systems to interact with air conditioners, lights, electric window blinds, garage door etc...end user.



SERENITY™

Serenity™ is an amazing alarm system designed to fit on your wall like a piece of art.

With Serenity™ you can enjoy the most exciting experience in

SECURITY + SAFETY + HOME AUTOMATION

Simple to Learn and Easy to use, Serenity™ is a powerful system for any residential application via any communication path you choose. With Serenity™ comprehensive Solutions, Your home is now safe, comfortable and can be remotely managed from anywhere.

Easy to use

- Touch keypad
- RFID
- Voice guidance

All-in-one solution in compact design

- Serenity Connect™ Web based Cloud and Mobile Application
- GSM /GPRS
- TCP-IP
- PSTN
- 2 way wireless system for safe communication and over the air configuration

Easy to install , manage and update

- Fast installation and Quick programming
- Easy Serenity™ PC remote control, monitoring and configuration



Residential 2 Way Wireless Alarm System



Security Detectors



FW2-NEO
PET Immune PIR
Motion Detector



FW2-MAG
Magnetic Door &
Window Contact



FW2-GBD
Glass Break Detector



Indoor FW2-PIR CAM
PIR & Camera Detector



Outdoor FW2-PIR CAM
PIR & Camera Detector

Sirens



FW2-Vesta
Indoor - Internal
Sounder



FW2-Neptune
Outdoor Siren

Safety Detectors



FW2-SMKH
Smoke & Heat
Detector



FW2-FLOOD
Flood Sensor

Panic Button



FW2-Panic Watch
waterproof wrist-worn
transmitter

Keypads



FW2-Keypad
LCD Graphic Keypad
with RFID



FW2-ICON
Icon Keypad with
RFID



FW2-RMT
4-Button Keyfob
Remote Control



RFID
Proximity Tags

SERENITY™

Control Panel

TECHNICAL SPECIFICATIONS

		SERENITY™ Without GSM Module	SERENITY™ With GSM Module
Zones Number		32 wireless zones 2 wired zones (remain 30 wireless zones)	32 wireless zones 2 wired zones (remain 30 wireless zones)
Available Areas		4	4
Hard-Wired Zone Requirements		2.2 kΩ and 4.7kΩ EOL resistance Maximum distance 100 meters	2.2 kΩ and 4.7kΩ EOL resistance Maximum distance 100 meters
Current Consumption (From 9V IN)	Standby mode	Up to 250mA	Up to 400mA
	Alarm mode	Up to 400mA	Up to 600mA
Current Consumption (From Battery)	Standby mode	Up to 150mA	Up to 400mA
	Alarm mode	Up to 300mA	Up to 600mA
Installer and User Codes		1 installer code (000000 by default) 1 super user (user 1 by default - code 1234) 64 users	1 installer code (000000 by default) 1 super user (user 1 by default - code 1234) 64 users
Control Devices		Built-in capacity keypad 2-Way Wireless LCD keypad with full programming access 2-Way Wireless Icon Keypad 2-Way Remote Control (Rolling Code) Mobile Smart Application I-Serenity™ PC/Tablet via Web interface	Built-in capacity keypad 2-Way Wireless LCD keypad with full programming access. 2-Way Wireless Icon Keypad 2-Way Remote Control (Rolling Code) Mobile Smart Application I-Serenity™ PC/Tablet via Web interface
Outputs		16 outputs 1 internal siren (output #1 by default) 2 available wired outputs Wireless Outputs Relays	16 outputs 1 internal siren (output #1 by default) 2 available wired outputs Wireless Outputs Relays
Display		Built-in LCD Display 64 x 128 pixels	Built-in LCD Display 64 x 128 pixels
Arming Modes		Full Arm, Stay, Latchkey, Duress, Byp	Full Arm, Stay, Latchkey, Duress, Bypass
Languages		12 languages (display and audio messages) English, French, Hebrew, German, Russian, Spanish, Portuguese, Dutch, Italian, Chinese, Greek and Turkish.	12 languages (display and audio messages) English, French, Hebrew, German, Russian, Spanish, Portuguese, Dutch, Italian, Chinese, Greek and Turkish.
Alarm Types		Burglary, Silent, Panic, Fire, Medical, 24H	Burglary, Silent, Panic, Fire, Medical, 24H
Siren Signals		Continuous	Continuous
Siren (bell) Timeout		Programmable (2 min by default)	Programmable (2 min by default)
Internal Souder Output		100 ±3dBA at 1 meter	100 ±3dBA at 1 meter
Supervision		Programmable (7 minutes by default) 60 sec for PIR-CAM and FW2-LCD Keypad	Programmable (7 minutes by default) 60 sec for PIR-CAM and FW2-LCD Keypad
Special Functions		Zones Bypass Chime zones Walk Test Mode and RSSI signal check Events Memory (2000 logs) Local message recorder (record/playback)	Zones Bypass Chime zones Walk Test Mode and RSSI signal check Events Memory (2000 logs) Local message recorder (record/playback)
Data Retrieval		Panel Status Events memory Troubles Configuration (via PC Software Easy-Serenity™)	Panel Status Events memory Troubles Configuration (via PC Software Easy-Serenity™)
Real Time Clock (RTC)		The control panel displays time and date. This information is used to display event logs and program arming schedules (8 time zones).	The control panel displays time and date. This information is used to display event logs and program arming schedules (8 time zones).
Battery Test		Every 10 seconds	Every 10 seconds



WIRELESS CAPABILITIES

	SERENITY™ Without GSM Module			SERENITY™ With GSM Module		
RF Type	FW2			FW2		
RF Network	2 Way Protocol			2 Way Protocol		
Frequency Bands (MHz)	433.92	868.35	916.5	433.92	868.35	916.5
Agility Feature (Hopping Frequency)	Up to 5	Up to 5	Up to 5	Up to 5	Up to 5	Up to 5
Operating Range	500 meters open space			500 meters open space		

SERENITY™

Control Panel

TECHNICAL SPECIFICATIONS

ELECTRICAL

	SERENITY™ Without GSM Module	SERENITY™ With GSM Module
Power Supply Type	External AC/DC Plug-In Adaptor 9V/1.3A	External AC/DC Plug-In Adaptor 9V/1.3A
12V Out Voltage	12V (±1V) DC	12V (±1V) DC
Max Current allowed to drain from 12V –Out	100mA	100mA
Low Battery Threshold	7.1V (±0.2V) DC	7.1V (±0.2V) DC
Backup Battery Type	Battery Pack 7.2V/2050mAh Caution! Risk of explosion if battery is replaced by an incorrect type. Always use the battery type specified in specification. Refer to the manufacturer or installer. Dispose of used batteries according to the manufacturer's instructions.	Battery Pack 7.2V/2050mAh Caution! Risk of explosion if battery is replaced by an incorrect type. Always use the battery type specified in specification. Refer to the manufacturer or installer. Dispose of used batteries according to the manufacturer's instructions.
Time to Charge	24 hours	24 hours
Internal Siren Current	Up to 150mA	Up to 150mA
Output Sirens Current	Up to 100mA	Up to 100mA
RFID Module Current	Up to 100mA	Up to 100mA

COMMUNICATION FEATURES

	SERENITY™ Without GSM Module	SERENITY™ With GSM Module
Capabilities	Built-in PSTN Dialer/Modem Built-in TCP/IP module	Built-in PSTN Dialer Built-in TCP/IP module GSM/GPRS Module
Modem Baud rate	14.4K	14.4K
Data Transfer to Local Computer	USB connection (direct) TCP connection (internal network)	USB connection (direct) TCP connection (internal network)
Report Channels	5	9
Report Destinations	Private Phone Monitoring Station Mobile Application I-Serenity™	Private Phone Monitoring Station Mobile Application I-Serenity™
Report Format	TCP/IP over Ethernet Contact ID over PSTN SIA over PSTN Voice over PSTN Email notification (if PirCam enabled)	TCP/IP over Ethernet Contact ID over PSTN SIA over PSTN Voice over PSTN Email notification (if PirCam enabled) TCP/IP over GPRS Contact ID over GSM SMS over GSM Voice over GSM
Report Type to Private Phones	Voice Messages(pre-recorded messages) Messages can be modified locally DTMF Commands Capabilities	Voice Messages(pre-recorded messages) Messages can be modified locally DTMF Commands Capabilities SMS
Ring Detection	Yes ,Programmable	Yes ,Programmable
Audio Verification	Full Duplex Two-way voice communication	Full Duplex Two-way voice communication
Mobile Application	I-Serenity™ (Apple / Android / Web)	I-Serenity™ (Apple / Android / Web)
Remote Programming	Via PC software Easy-Serenity™ reachable by PSTN and TCP/IP	Via PC software Easy-Serenity™ reachable by PSTN, GSM and TCP/IP

PHYSICAL PROPERTIES

	SERENITY™ Without GSM Module	SERENITY™ With GSM Module
Dimensions	291 x 165 x 35 mm	291 x 165 x 35 mm
Weight	1.40Kg with battery	1.40Kg with battery
Color	White	White
Operating Temperature Range	-10° C to 55 °C	-10 °C to 55° C
Storage Temperature Range	-20 °C to 60 °C	-20 °C to 60° C
Humidity	90% relative humidity	90% relative humidity
Keypad Type	Built-in touch keypad Optional Wireless LCD or Icon Keypad Optional Wired Keypad (CAN Bus)	Built-in touch keypad Optional Wireless LCD or Icon Keypad Optional Wired Keypad (CAN Bus)
Accessories Supplied	External power supply Battery back up Ethernet cable (TCP/IP) Screw set for wall mounting	External power supply Battery back up Ethernet cable (TCP/IP) Screw set for wall mounting

PERIPHERALS

	SERENITY™ Without GSM Module	SERENITY™ With GSM Module
Supported Wireless Devices	32 detectors 64 remote control (pendants) 64 RFID proximity tags 16 wireless outputs 4 wireless PIR Camera 4 wireless LCD keypad 64 wireless icon keypad	32 detectors 64 remote control (pendants) 64 RFID proximity tags 16 wireless outputs 4 wireless PIR Camera 4 wireless LCD keypad 64 wireless icon keypad
Supported Wired Devices	2 wired detectors 2 wired outputs 1 wired keypad (Can Bus connection)	2 wired detectors 2 wired outputs 1 wired keypad (Can Bus connection)
Compatible Wireless Devices	FW2-NEO: Motion detector FW2-MAG: Magnetic contact FW2-PANIC: Panic watch FW2-PIR-CAM: PIR & Camera detector FW2-Flood FW2-RMT: Remote pendant FW2-SIRENEXT: Outdoor sounder FW2-VESTA: Indoor sounder FW2-KP LCD: LCD keypad FW2-ICON: Icon keypad FW2-RLY: Outputs Relays	FW2-NEO: Motion detector FW2-MAG: Magnetic contact FW2-PANIC: Panic watch FW2-PIR-CAM: PIR & Camera detector FW2-Flood FW2-RMT: Remote pendant FW2-SIRENEXT: Outdoor sounder FW2-VESTA: Indoor sounder FW2-KP LCD: LCD keypad FW2-ICON: Icon keypad FW2-RLY: Outputs Relays

Wireless Devices

- 2.1 Security Detectors
 - FW2-Neo/FW2-Novo Motion Detectors
 - FW2-Magnetic Door & Window Contact
 - FW2-Glass Break Detector
 - FW2-PIR Cam Indoor
 - FW2-PIR Cam Outdoor
- 2.2 Safety Detectors
 - FW2-Smoke & Heat Detector
 - FW2-Flood Sensor
 - FW2-Panic Watch
- 2.3 Home Automation Devices
 - FW2-Output Relay
- 2.4 Keypads
 - FW2-Remote Pendants
 - FW2-LCD Graphic Keypad with RFID
 - FW2-Icon Keypad with RFID
- 2.5 Sounders
 - FW2- Vesta Indoor Siren
 - FW2-Neptune Outdoor Siren





2.1 Security Detectors



FW2-NEO / FW2-NOVO

2-Way Wireless PET Immune PIR Detector

FW2-NEO/FW2-NOVO are fully supervised low current 2-Way Wireless PIR detectors, including an advanced RF protocol for secure and reliable system operation.

They have a unique ID code and includes APS (Automatic Power Saving) mechanism for extending battery life.

They include series of messages for full communication administration (Supervision, Tamper, Low Batt.) as well as test transmission signals (communication, Tamper, alarm).



FW2-NEO
Freewave™ 2-Way
Wireless PET Immune
PIR Detector



FW2-NOVO
Freewave™ 2-Way
Wireless Do-It-Yourself
PET Immune PIR Detector

TECHNICAL SPECIFICATIONS

Detection Method	Quad element PIR
Modulation Type	FSK
Frequency Band	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Alarm, Tamper, Supervision, Low Bat
Supervision Time	2 minutes (+random)
Range (Open Space)	500 meters
Battery	Lithium. 3V Type: CR123A Size: 2/3AA
Battery life expectancy	5 years on regular use
Current Consumptions	Standby ~7 mA Receive mode ~29 mA Transmit mode ~38 mA
Transmit power	~14dBm
Tamper Switch	Front Cover Removal & Back Tamper
LED Indicators	Red LED: ON during alarm Green LED: PIR CHANNEL
Operating Temperature	-10°C ~ +50 °C (14 °F~122 °F)
Pet immunity	Selectable 15 / 25 kg
Weight (inc. battery)	120gr
Part Number	0034770

FW2-MAG: Magnetic contact

2 Way Wireless Door/Window Magnetic Contact

The FW2-MAG is an advanced magnetic contact sensor with integrated RF transceiver designed to be a fully supervised low-current device. A built-in reed switch and/or an external wired input may be applied in this device.

To maximize security, an 8.2k end-of-line resistor is monitored on the external wired input.

FW2-MAG uses smart message control, which verifies that all messages are successfully transmitted, so that no intrusion event will be uninformed to the system. Each FW2-MAG has a unique factory set ID code (24bit) which by registration is set into memory of the paired FREEWAVE2 TRANSCEIVER, enabling more secured communication and devices to be remotely controlled from a specific transceiver.



TECHNICAL SPECIFICATIONS

Event Transmission	Alarm, Tamper, Supervision, Low Battery
Detection Method	Internal reed switch or External magnet device
Radio Transmission	Digital communication on dual band frequency (868MHz and 916 MHz)
Range in open space	500 meters
Display and Controls	Illumination of the Led confirm each transmission
External Input	Up to 15m with 8.2Kohm EOL resistor
Operating temperature	-10°C to +50°C
Current Consumptions	Standby ~3 µA Receive mode ~29 mA Transmit mode ~38 mA Low Battery ~2.4Vdc Transmit power: ~10dBm
Supervision	Every 7 minutes
Power Supply	1 x CR123 Battery
Battery Life	Up to 5 years (10 activation/day)
Dimensions	97mm x 22mm x 21mm
Weight (inc. battery)	40 gr.
Part Number	0034590

FW2- GBD

2 Way Wireless Glass break detector

- Omni – directional 360° coverage
- Maximum detection range for plate, tampered and laminated
- Low current Technology
- Sends alarm, tamper, supervision and LOW battery condition alert
- Powered by a 3V lithium battery
- Up to 5 years battery life



TECHNICAL SPECIFICATIONS

Detection Method	Quad element PIR
Modulation Type	GFSK (1 Frequency)
Frequency Band	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Alarm, Tamper, Supervision, Low Bat Supervision Time 2 minutes (+random)
Range (Open Space)	500 meters
Battery	Lithium. 3V Type: CR123A Size: 2/3AA
Battery life expectancy	5 years on regular use
Current Consumptions	Standby ~7 mA Receive mode ~29 mA Transmit mode ~38 mA
Transmit power	~14dBm
Tamper Switch	Front Cover Removal & Back Tamper
LED Indicators	Red LED: ON during alarm Green LED: PIR CHANNEL
Operating Temperature	-10°C ~ +50 °C (14 °F~122 °F)
Dimensions	131mm x 57mm
Weight (inc. battery)	180gr

FW2-PIR CAM Indoor

2 Way Wireless PIR & Camera Detector

The FW2-PIR CAM Indoor is a two-way wireless motion detector with a built-in CMOS high quality color camera that provides the perfect solution for visual alarm verification of your premises.

When your control panel is armed and the PIR sensor detects movement, the detector sends an alert and transmit pictures to the CMS or to your mobile phone (via Serenity Connect application).



TECHNICAL SPECIFICATIONS

Data Protocol	FreeWave2
Modulation Type	GFSK (1 Frequency)
Frequency	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Alarm, Picture(s) Verification, Tamper, Supervision, Low Bat Supervision
Communication Range in open space	500m
Picture Range	12m
Camera	white CMOS camera with CIF resolution
Picture Mode	≥ 16 Lux – Color Picture (take picture only) 16 to 8 Lux – B&W Picture with Gain Control ≤ 8 Lux – B&W Picture with Gain control and IR LED illumination
Battery	Three 3V Lithium battery CR123
Battery life expectancy	up to 5 years
Low Battery	2.45V
Current Consumptions	Average - 87µA Receive mode – 24mA Transmit mode – 38mA
Tamper Switch	Font Cover and Removal
Dimensions	129.5H X 67.4W X 52L
Weight (incl. battery)	200gr

FW2-PIR CAM Outdoor

2 Way Wireless PIR & Camera Detector

The FW2-PIR CAM Outdoor is a two-way wireless motion detector with a built-in CMOS high quality color camera that provides the perfect solution for visual alarm verification of your external premises.

When your control panel is armed and the PIR sensor detects movement, the detector sends an alert and transmit pictures to the CMS or to your mobile phone (via Serenity Connect application).

The FW2-PIR CAM Outdoor uses a special ASIC technology for PIR Pulse analysing, Video Motion Detection and unique optic for anti-mask protection.



TECHNICAL SPECIFICATIONS

Data Protocol	FreeWave2
Modulation Type	GFSK (1 Frequency)
Frequency	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Alarm, Picture(s) Verification, Tamper, Supervision, Low Bat Supervision, Anti-Mask
Communication Range in open space	500m
Picture Range	12m
Camera	white CMOS camera with CIF resolution
Picture Mode	≥ 16 Lux – Color Picture (take picture only) 16 to 8 Lux – B&W Picture with Gain Control ≤ 8 Lux – B&W Picture with Gain control and IR LED illumination
Battery	Two 3.6V Lithium battery D
Battery life expectancy	up to 5 years
Low Battery	2.45V
Current Consumptions	Average - 87µA Receive mode – 24mA Transmit mode – 38mA
Tamper Switch	Font Cover and Removal
Dimensions	129.5H X 77.4W X 62L
Weight (incl. battery)	300gr



2.2 Safety Detectors



FW2-SMKH

2 Way Wireless Smoke & Heat Detector

The FW2-SMK is a 2 way wireless photoelectric smoke & heat detector using low current technology.

The detector automatically compensates for long-term environmentally induced changes to maintain a constant smoke sensitivity. When the drift compensation has reached its high or low limit of adjustment, the detector will go into the trouble state

The heat detector will go into alarm when the heat signal level exceeds the heat alarm threshold (135°F/57°C); and will automatically restore when the heat signal level falls below the heat alarm threshold (restore).



TECHNICAL SPECIFICATIONS

SMOKE DETECTOR	Photoelectric smoke detector
Detection Sensitivity	2.3+1.2%/ft
Alarm Sound Level	85 db at 3 m (10 feet)
Audible Warning	Built-in horn beeps ones Test mode Or Alarm
Range	Up to 500 m at open space
Frequency	868.35MHz / 916.5MHz
Identification	Unique ID serial number - 24 bit
Event Transmission	Alarm, Tamper, Supervision, Low Bat (~30 Days in advance)
Test mode / activation	Beeper test & Alarm transmission test
EMI rejection	up to 2 GHz > 10V/m
Battery	Lithium 3 V Type: xx123 Size: 2/3 AA
Lithium battery (3V)	Life time approx. 3 years
Operation temperature	-10 - +50 °C
Storage temperature	-20 - +60 °C
Humidity	< 85 % r.h., non condensing
Housing protection	IP41 / IK02 (EN60529, EN50102)

FW2-FLOOD

2 Way Wireless Flood Sensor

The FW2-FLOOD is an advanced Flood sensor with integrated RF transceiver designed to be a fully supervised low-current device.

The FW2-FLOOD is a part of the FREEWAVE2 which is a supreme wireless line of devices that uses an advanced 2way RF transceiver combined with an intelligent communication protocol.

A built-in terminal connection for an external wired sensor applies in this device.

FW2-FLOOD uses smart message control, which verifies that all messages are successfully transmitted, so that no Flood event will be uninformed to the system.

Each FW2-FLOOD has a unique factory set ID code (24bit) which by registration is set into memory of the paired FREEWAVE2 TRANSCIVER, enabling more secured communication and devices to be remotely controlled from a specific transceiver.



TECHNICAL SPECIFICATIONS

Data Protocol	FreeWave2
Modulation Type	GFSK (1 Frequency)
Frequency	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Alarm, Tamper, Supervision, Low Bat Supervision
Detection Method	External golden contacts pins device
Range in open space	500m
Battery	Lithium. 3V Type: CR123A Size:2/3AA
Battery life expectancy	>5 years (10 activation per day)
Current Consumptions	Standby ~3 µA Receive mode ~29 mA Transmit mode ~38 mA
Low Battery	~2.4Vdc
Transmit power	~10dBm
Tamper Switch	Front Cover Removal
Operating temperature	-10°C to +50°C
Dimensions	97mm x 22mm x 21mm
Weight (inc. battery)	40 gr.



FW2-PANIC: Panic Watch

2 Way Wireless waterproof wrist-worn transmitter

The FW2-PANIC WATCH is a waterproof wrist-worn transmitter, designed for personal emergency signaling and other applications where the transmitter needs to be within easy reach at all times.

The transmitter is a Splash' waterproof and suitable for wearing even in wet environments such as factories, hospitals, gardens, pools and rain conditions.

Attractive ergonomic design makes the FW-Panic Watch as convenient to wear on a regular basis as any wristwatch.



TECHNICAL SPECIFICATIONS

Data Protocol	FW2-Protocol
LED Indication	During transmission
Battery type	Soldered CR2016
Battery capacity	210mAh
Current draw	< 1µA Standby current < 25±3mA Transmission current
Battery life	> 5 years (for 1 transmission per day)
Operating temperature	-10°C to +50°C
RF immunity	20V/meter, 1MHz to 2GHz
Part Number	0022540
Compliance	The PANIC WATCH complies with: EN50130-4 EN301489 EN300220 EN50081 SAFETY 73/23/EEC EN60950 (ITE)



2.4 Keypads

FW2-RMT 4-Button Keyfob

2 Way Wireless Pendants Remote Control

The FW2-RMT is a 2 way wireless keyfob offers the convenience of arming / disarming your alarm system securely.

- Slim and elegant design
- 4 independent and programmable buttons
- Powered by a 3 Volt Lithium battery.
- UP TO 5YEAR battery life
- Range up to 300m at open space.
- Unique ID number.



TECHNICAL SPECIFICATIONS

Data Protocol	FreeWave2
Modulation Type	FSK (1 Frequency)
Frequency	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Arm, Disarm, Stay, Panic, Low Bat
Range in open space	150m
Current Consumptions	Standby <1 · A Transmission ~30 mA
Tamper Switch	Font Cover and Removal
Operating Temperature	-10°C to +50°C
Battery	Lithium 3V Size CR2032
Dimensions	87mm x 38mm x 12mm
Weight (incl. battery)	20gr



FW2-KP LCD

2 Way Wireless LCD Graphic Keypad with FRID

- Slim and elegant design with display and RFID
- Easy arm and disarm with proximity tags
- Full programming
- Battery operated
- RFID tag operation
- Up to 5 year battery life
- Up to x keypads per Serenity panel
- Dimensions: 150 x 100 x 20mm (5.87 x 3.87 x 0.8in)



TECHNICAL SPECIFICATIONS

Frequency band	868.35Mhz / 916.5 Mhz
Keypad	Alpha Numerical with LCD Graphic Screen
RFID	Built-in proximity Reader
Range	500m open space
Functions	Arm, Disarm, Panic Alarm, Stay, Full Programming
Configuration	Local Configuration (code, languages...) Full Configuration of Serenity Over The Air
Users	Same Users as Serenity Panel Installer Access for remote configuration RFID proximity tags Reader Built-in
Indications	Status, Troubles, Ready, Not Ready Beeps indications
Battery	3 x batteries Lithium battery powered Size: CR123
Battery Life	Up to 5 years
Dimensions	150mm x 80mm x 28mm
Weight (inc. battery)	200gr.

FW2-ICON

2 Way Wireless Icon Keypad with FRID

- The FW2-KP ICON is a Crow 2-way wireless keypad working with Serenity control panel. It includes built-in proximity RFID tag reader and several buttons.
- Totally standalone, the FW2-Icon keypad can be wall mounted or can be used as a portable unit.
- Easy and user-friendly control of the security system
 - Integrated panic button
 - Attractive, ergonomic design for handheld use or wall mounting
 - Includes 3V lithium battery, CR123A
 - Dimensions: 127 x 70 x 24mm (5 x 2.75 x 0.97in)



TECHNICAL SPECIFICATIONS

Frequency band	868.35Mhz / 916.5Mhz
Keypad	Numerical with back light
RFID	Built-in proximity Reader
Range	500m open space
Functions	Arm, Disarm, Stay, Panic Alarm
Local Configuration	Add\Change of User code and\or user tags 1 Master Code
Users	1 Master User Up to 8 User Codes may be add/changed Up to 8 RFID tags may be add/changed while in programming mode
Indications	Status, Troubles, Ready, Not Ready Beeps indications
Battery	3 x batteries Lithium battery powered Size: CR123
Battery Life	Up to 5 years
Dimensions	150mm x 80mm x 28mm
Weight (inc. battery)	200gr.

FW2-VESTA

2 Way Wireless Internal Sounder

The FW2-Vesta is a Wireless Internal Siren/Sounder. Fully standalone unit requiring no AC power. It is installed in wireless applications when there is a need for extra intrusion alert that is distant from the main panel.

- Lithium 3.6V / 14 Ah Battery operated
- Cover and wall tamper
- Up to 5 year Battery lifetime
- 868/916.5 MHz



TECHNICAL SPECIFICATIONS

Sound Pressure Level	More then 100dB
Siren Tone	Yelp
Frequency Range	2700 ±500 Hz
Flash Light	LED
Power Supply Voltage	None
Current consumption	Standby: 110uA ±10uA@ Battery operation Alarm: Average: 400mA @ Battery operation. Max: 600mA peak@ Battery operation.
Power Supply current limitation	Up to 1A
Maximum Power	Average :3W
Siren Alarm Period	2 min/15 min (According the status of Dipswitch#4)
Low Battery Level	2.8V
Low Battery Indication	LED Flash @ Arm/Disarm (According the status of Dipswitch 2&3)
Arm/Disarm Indication	LED Flash : Arm-1, Disarm-3 LED Flash with Beeps : Arm-1, Disarm-3 (According the status of Dipswitch 2&3)
Supervision	Sync signal every 1 min.
Tamper Switch	Normally Closed. After power up the Tamper will activate only after the second opening and then Activate the Piezo for 2 min or till reset by the C.P.
Battery Life	> 4 Years (Based on 2 min Piezo operation/month)
Material	External Box: ABS. (2mm thick).
Dimensions of unit	L=155mm x W= 100mm x H= 48mm
Weight (Without Battery)	1.2 Kg
Operating temperature range	-10oC to +50oC

FW2-NEPTUNE

Wireless Ultra Slim External Sounder

Wireless Outdoor alarm siren with integrated flashing light compatible with Runner2 Series and Serenity™ control panel.

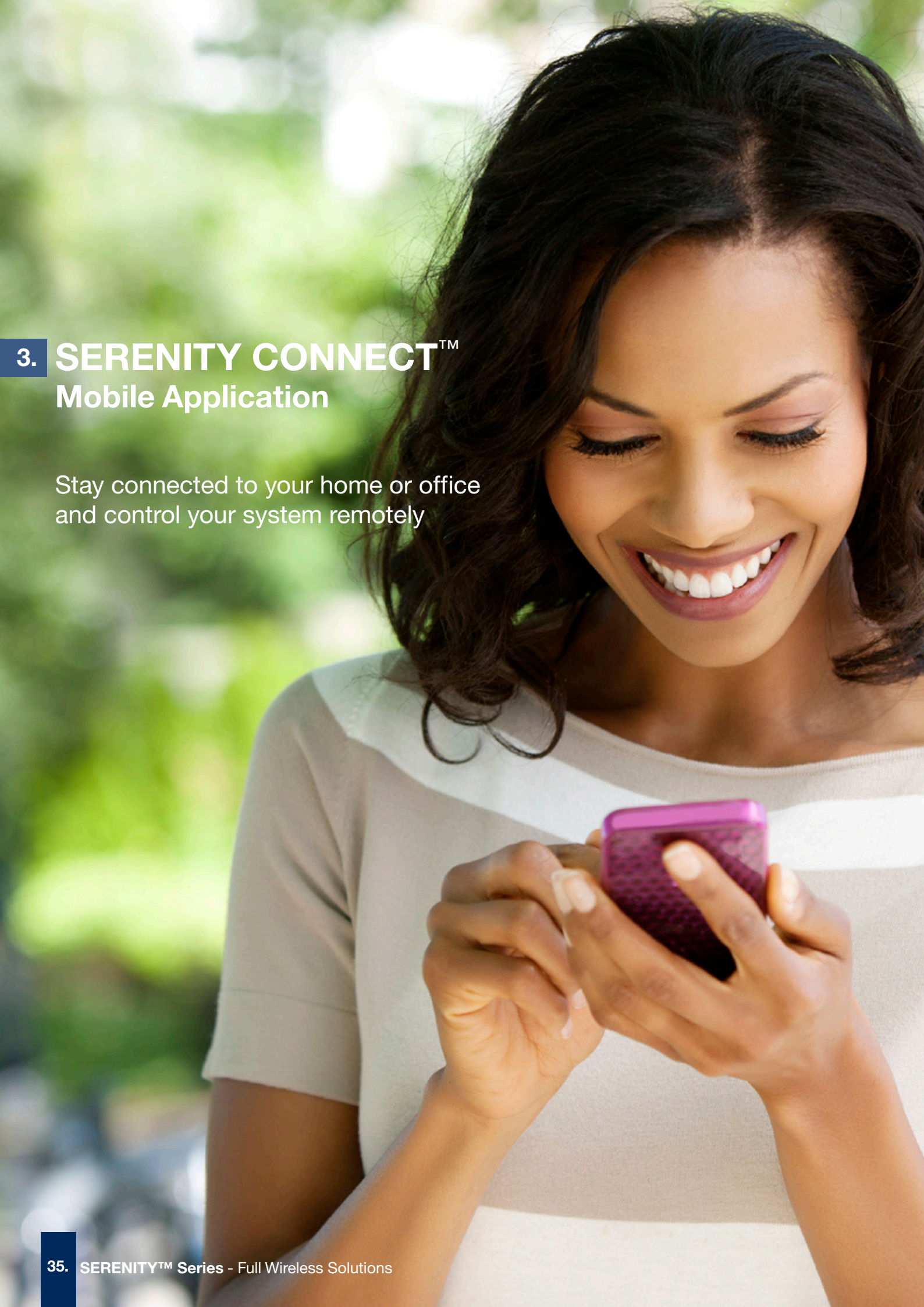
The sound power of 102 dB(A), dissuades the intruder, while the flashing light enables illumination of the area where the alarm trips.

- 105 dB single piezo sounder
- IP55 rated electronics
- Low current operation
- Wall & Lid tamper
- 868/916.5 MHz



TECHNICAL SPECIFICATIONS

Sound Pressure Level	105dB
Siren Tone	Yelp
Frequency Range	2700 ±500 Hz
Flash Light	Power LED (90 Lumens)
Power Supply Voltage	9V÷15V DC or Battery 3.6V /14Ah Lithium or both.
Current consumption	Standby: 110uA ±10uA@ Battery operation 20mA±2mA@12V DC operation.. Alarm: Average: 950mA @ Battery operation. Max: 1.8A peak@ Battery operation. Average: 200mA @ 12V DC operation. Max: 1.2A peak @ 12V DC operation.
Power Supply current limitation	Up to 1.8A
Maximum Power	Average :4W , Max peak:17W
Siren Alarm Period	2 min/15 min (According the status of Jumper D)
Low Battery Level	2.8V
Low Battery Indication	LED Flash @ Arm/Disarm
Arm/Disarm Indication	LED Flash : Arm-1 Disarm-3 LED Flash with Beeps : Arm-1 Disarm-3
Supervision	Sync signal every 1 min.
Tamper Switch	Normally Closed.
Battery Life	> 4 Years (Based on 2 min Piezo operation/month)
Material	External Box: PC. (3mm thick).
Dimensions of unit	L=310mm x W= 205mm x H= 75mm
Weight (Without Battery)	1.2 Kg
Case Protection Level	IP 43 Plastic PC with UV protection. Conformal coated circuit board
Operating temperature range	-30°C to +70°C



3. SERENITY CONNECT™ Mobile Application

Stay connected to your home or office
and control your system remotely

SERENITY CONNECT™

Thanks to smartphones and tablets, you are now connected to your home from anywhere at all time.

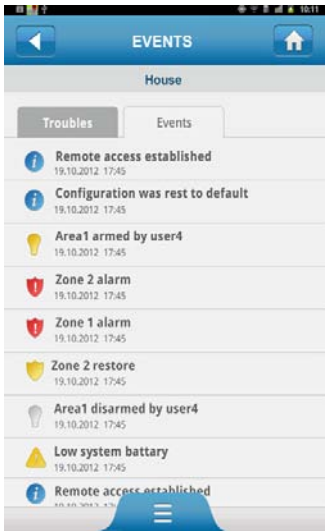
Serenity Connect™ is Crow's Smartphone app (also available via web browser) which enables every Serenity panel owner to monitor and control his alarm, safety and home automation devices remotely as well as view on demand or time lapse or on alert images taken with the 2 way wireless Crow's PIRCAM PIR and camera detector.

The Serenity Connect mobile application is your home security companion. You can enjoy the latest exiting new capabilities of your Serenity control panel.

- Easy to use
- Monitor and control multiple locations with one login
- Control your home
- Control Alarm status, peripherals, Outputs and Home Automation devices.
- Picture Verification
- Receive alarm picture and retrieve them from server. Take instant color picture.
- Events logs
- Retrieve last 250 events



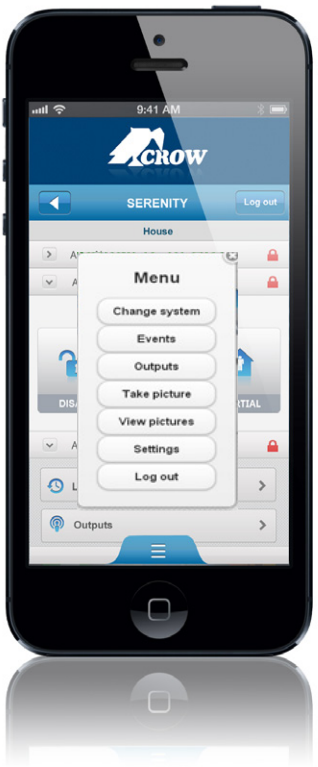
Security



Safety



Home
Automation





4. Crow Cloud™ Experience ultimate peace of mind and Serenity



Crow Cloud™ & SERENITY CONNECT™

Whether using a PC, a tablet or a smartphone, we use cloud services every day. And now, Crow Cloud can help you manage your security system and home automation.

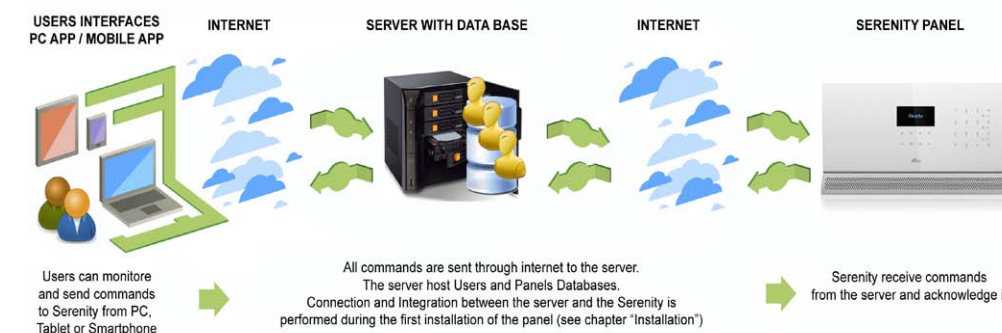
You can enjoy the user friendly Serenity Connect App to pilot your Serenity Alarm and Home Automation panel.



With Serenity Connect you can remotely control your alarm systems, arm or disarm Serenity, receive push notifications in case of a suspected intrusion, receive email/ SMS/ voice notifications in the event of an alarm as well as benefit from visual verification and self-monitoring to feel totally in control at all times.

- No software to install and maintain, simply access Serenity from any Internet connection
- Unique diagnostic feature monitors your system's instant notifications if communication is lost
- Automatic notification of alarms and events (movement, intrusion, smoke, water leakage...)
- Automatic software updates providing users with the latest available features
- Scalable storage allowing to buy the optimal package you need
- Smart visual verification from a single user login and for reduction of false alarms and recording time
- Control or program blinds, lights and any other electrical appliances
- Personal dedicated on line storage with access wherever you are via your PC or Smartphone via I-Serenity
- Serenity Connect provides secure access to the cloud
- Download : iPhone/Android/Windows app.

Serenity supports GPRS with GSM, IP and PSTN and can be remotely configured. A wide range of 2-way detectors and accessories can be used with the system.





5. EASY SERENITY™ PC Application

Monitor & Configure your
Serenity™ control panel.

EASY SERENITY PC application

Easy Serenity is a powerful application for managing the Serenity control panel and its connected devices remotely wherever you are.

It enables to easily create users, learn wireless devices, manage outputs, configure communication paths, elaborate scenes, create events, trigger actions, make schedules and more.

Easy Serenity PC app communicates with Serenity via PSTN, TCP/IP or USB and allow to launch the Quick Programming setup for an easy step-by-step Serenity programming .

Monitoring:

- Check your control panel status and its connected devices
- Retrieve the last 2000 events stored in your panel

Control:

- Arm/Disarm your system
- Bypass Zones
- Activate Outputs and Home Automation peripherals
- Take instant pictures for connected wireless PirCam

Configuration:

- Quick Programming setup for technician
- Create and Manage users, remote, proximity tags, outputs ...
- Create and configure wireless devices
- Manage Communication features and alarm reports

And more...

