



CENTURION®

Wireless Security System

PRODUCT FEATURES

NOTIFICATIONS

- 1 – 255 notification capability.
- Notification record time – 1980 seconds.
- Flash memory to remotely expand number of notifications as system requirements increase.

CENTURION KEY FEATURES

- Transmits pinpointed verbal notifications without delay to officers' two-way radios and/or phones.
- Centurion is capable of email/text messaging by Ethernet Interface to desktop, cell phone, pager, or other text capable devices.
- Voice modem allows for location specific notifications to be sent to any phone.
- Flexible scheduling of sensor zones that allow for automatic enabling and disabling based on user defined schedules: minute, hour and day of the week.
- Largest memory capacity on the market in order to accommodate emerging technologies.
- Centurion system processes alarm in less than one second via the 386x based platform...fastest on the market.
- Utilizes EchoStream (ES) transmission.
- Centurion system can broadcast over two separate radio frequencies.
- Flash memory allows for effortless expansion of current system and upgrading of operating software via built-in modem.
- Fail Safe System Monitor:
 - Recognizes and Reboots system if anomaly occurs
 - Displays Fail Safe Monitor failure warnings on LCD
 - Sounds audible alarm if Fail Safe Monitor failure occurs

- Centurion transmissions can be scheduled to automatically broadcast on differing devices (Radio 1, Radio 2, Cell phone, Pager) dependant upon the time of day.
 - i.e. 9:00 am - 5:00 pm via two way radio and 5:01 pm – 8:59 am via cell phone
- Centurion allows different communication paths to be programmed for each sensor.
 - Panic button #1 sends alert to Officer's cell phone
 - Panic button #2 sends alert to Officer's two way radio
- Centurion features Voice Modem Repeat which is the ability to select how many times a notification will repeat, separate from other outputs (i.e., Radio message repeats two times and phone message repeats six times).
- Centurion system features voice prompts for easy system activation.
- Four programmable relay switches available to activate external devices such as video cameras, lights, alarms, etc.
- Two-year warranty including parts and labor.

COMMUNICATION & DATA TRANSFER OPTIONS

- Centurion tells what is happening, when, and where—as it is happening. Its targeted response with real-time information.
- Built-in microphone/speaker to record voice notifications and playback. The speaker can also be used as an output device which allows the user to select and prioritize the speaker to be used for output of audio as well as volume control.
- Centurion is capable of Email notification of the Alarm History Log.
- Sensor Signal Monitoring:
 - Sensor "tamper", "low battery" and "missing" events are monitored and recorded in Alarm History Log.
 - Continuous "signal strength level" monitoring of events recorded in Sensor Monitoring Log; providing assurance of Centurion sensor monitoring performance.
- The Centurion is capable of interfacing with the WaveWare® Pager System. WaveWare paging allows the Centurion to utilize the local paging base for alarm notification.
- Communication Ports –Four methods available to connect to an external PC:
 - Serial
 - USB
 - Ethernet
 - Modem
- Centurion Client Software – PC interface can be used for:
 - Alarm monitoring
 - Forwarding of emergency data packets
 - System setup and configuration
 - Viewing and printing event log.

- DTMF Tone Encoder
 - Tones can be sent to a central dispatch location via DTMF tone for covert notification or alarm activation.

EXPANDABLE SYSTEM CAPABILITIES

- Second Radio Option
 - Mounting space, electrical cabling and connectors are available to operate a second radio on a different frequency than the first radio.
- Flash memory allows for effortless expansion of current system and upgrading of operating software.

INTERNAL FEATURES

- Operating Modes:
 - Armed – Operational Mode. System is monitoring sensors and able to send alerts.
 - Program – Setup alarms and notifications. Programming is accomplished via keypad or external PC.
 - Sleep – The system is sleeping until a keypad entry is detected (power save mode).
- Integrated Total Protection Solutions™ LT-15A Surge Protector:
 - Response time < 1 nanosecond
 - Surge protection against voltage variances, protecting electronic components
 - Protection from lightning strikes
 - Reduces incidents of system lockups and hardware corruption
 - A/C line regulation/filtering – increasing stable system operation in locations where electrical anomalies occur
 - EMI (electromagnetic interference) and RFI (radio frequency interference) filtering – creating a more stable system environment
 - Status indicator light
- System operation is password protected.
- Onboard programming of system and sensors (no external keyboard or programming device required).
- Message Dwell Time: Upon alarm activation, the system will “dwell” for 15 seconds any alarm triggers which share the same notification.
- FCC Class A&B Digital Device Verification Compliant – Title 47 of the CFR (Code of Federal Regulation), Part 15, Subpart B:
 - 15.107 (a) – Emission Limits.
 - 15.109 (b) – Radiated Limits.

- Power Input
 - Operable Modes:
 - 110V wall outlet.
 - Internal Battery.
 - Battery charging system operates during 110V operation.

- Alarmed History Storage: The last 200 alarms are stored in a circular nonvolatile buffer. When the number of alarms exceeds 200, the oldest stored event is overwritten.

- Low Battery charge condition will result in:
 - A low battery alarm voice transmission.
 - Auto shutdown (complete disconnect, not sleeping) of the system if a very low battery state is detected.

EXTERNAL FEATURES

- LCD display has 4 lines with 20 characters per line.

- 16-key keypad is configured for simplicity and ease of use.

- Convenient Quick Reference Guide included with system.

- LCD Status Indicators that provide the following information:
 - Power Source – Indicates the type of system power (AC, DC).
 - Battery Status – Indicates the battery condition (high, medium or low battery).
 - System Status – Armed or Disarmed status.
 - System Unit # – Indicates unique identification for every system.
 - Sensor Number – Indicates which sensor has been activated.

- Centurion Control Unit:
 - Dimensions: 12"w x 15"h x 5.5"d
 - Weight: 17.5 lbs.

- Centurion Electrical Requirements:
 - Input Voltage: 120V AC
 - Current Draw:
 - 161ma @ 120V AC (normal operation/non-alarm condition)
 - 530ma @ 120V AC (alarm condition/internal radio transmitting)*

* +/- 10 percent variance dependent upon radio type being utilized

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