CENTURION®
Wireless Security System

Response Technologies, Ltd.

CENTURION OWNER'S MANUAL
v7.14

PREVENT INJURIES, DAMAGE or a SECURITY BREACH.
Read, understand, and follow this manual.

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FOREWORD

We would like to thank you for purchasing the Centurion Wireless Communication Security System from Response Technologies, Ltd. The Centurion is an easy-to-install wireless communication security system designed for public facilities of all types with the capability to transmit sensor-specific messages to officers by way of two-way radio, landline/mobile phone, pager, email or text (SMS). The speed and substance of the transmitted message help security personnel know instantly where assistance is needed, as well as important facts about the location. A variety of sensors, such as duress buttons, door/window contacts, smoke alarms, PIR motion detectors and others may be used with the Centurion. The Centurion's capability is easily scalable with the built-in "Flash Memory", so it can grow as your facility's needs expand or change.

The Centurion utilizes leading-edge technology and is manufactured to the highest standards of quality and excellence. The following Owner's Manual is intended as a detailed guide for operating the Centurion. Please reference the Quick Reference Guide for everyday normal operations.

Should you have any questions, please call our toll free number 800 537 0102 or email at support@response-technologies.com. We look forward to working with you for many years to come.

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⚠WARNING Always read and follow safety messages!

Your safety and the safety of others is very important. We have provided several important safety messages in this owner's manual. A safety message alerts you to a potential hazard and instructs you on how to avoid or reduce the risk. Each safety message is preceded by a safety alert symbol ⚠. Please carefully read and follow these important messages.

⚠ SAFETY INSTRUCTIONS

Reduce the risk of PERSONAL INJURY or PROPERTY DAMAGE:

- READ and UNDERSTAND ALL INSTRUCTIONS before installing or operating the Centurion Wireless Security System.
- Do not attempt to service the Centurion yourself unless you are an AUTHORIZED CENTURION TECHNICIAN. Always follow installation instructions closely.
- Install the Centurion near an electrical (AC) outlet. The AC power cord is your Centurion's main AC disconnecting device and must be easily accessible at all times. For your safety, the power cord provided with your system has a grounded plug. Always use the power cord with a properly grounded wall outlet to avoid the risk of electrical shock.
- AVOID ELECTRIC SHOCK. Disconnect all power sources by unplugging the unit and removing its internal battery before attempting any maintenance or service. Always follow safe work practices to control hazardous electrical energy. Do not connect or disconnect any cables or perform maintenance or reconfiguration of the Centurion during an electrical storm.
- Do not plug the modem cable (RJ-11) into the Ethernet connector (RJ-45). Although the plug looks similar to the plug on the Ethernet cable, they are not the same. The modem and network functions will not work if plugs are incorrectly installed.
- DO NOT BLOCK AIR VENTS on the bottom and top of the Centurion unit. Doing so can damage the device.
- Do not dispose of the Centurion's battery in a fire or with normal waste. Battery cells may explode. Discard a used battery according to the manufacture's instructions or contact your local waste disposal agency for disposal instructions. Dispose of a spent or damaged battery promptly.

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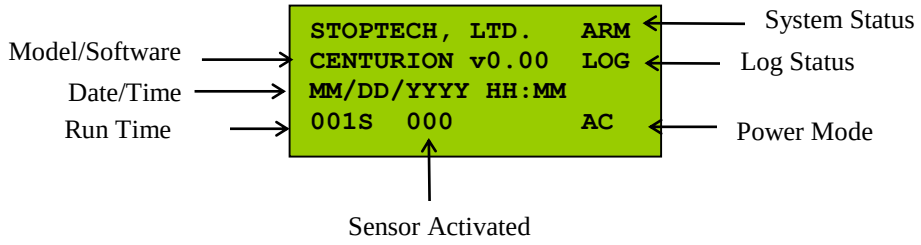
SAFETY INSTRUCTIONS

Keep your Centurion Security System OPERATING PROPERLY:

- Visually inspect the System Display (LCD) on a daily basis. Check the SYSTEM STATUS and LOG STATUS indicators (as shown below).



⚠ If the system is not ARMED, alarms WILL NOT BE PROCESSED or LOGGED. ARM will appear when the system is armed. Duress buttons and other sensors activated while the unit is disarmed will not transmit alarms via the radio system or other communication interface option.

⚠ The ALARM HISTORY LOG is updated with important system information, such as missing sensors, sensor tampering, and low battery notifications for duress buttons and other sensors. LOG will appear on the System Display (LCD) when the log has been updated with critical operational information.

- If the System Display (LCD) back light is off, the Centurion Wireless Security System could be in BATTERY BACKUP mode.

- REVIEW THE ALARM HISTORY LOG whenever new information is logged. Important system activities are recorded, such as sensor missing and low battery notifications. These notifications are NOT transmitted via the radio system or other communication interface options. The log can be reviewed on the System Display (LCD) or it can be sent by e-mail (see Section 5).

- PERIODICALLY TEST your Centurion Wireless Security System by activating sensors, including duress buttons, to confirm the appropriate alerts are broadcast. Immediately investigate and correct any issues, including sensors that fail to respond properly. Contact an authorized Centurion technician for help with troubleshooting.

  Testing should ALWAYS be performed:
  - after the initial configuration of the system,
  - after any changes to the system's configuration are made, and
  - as often as prescribed by your agency's Standard Operating Procedures (SOP).

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SYSTEM INSTALLATION

⚠ Install the Centurion unit in a secure location to prevent tampering.

- The site should be free of excessive electrostatic presence, extreme temperatures **(above 120 degrees / below 32 degrees Fahrenheit)** and high moisture content. These conditions could damage sensitive electronic components within the device.

Installation Procedures

- With door open, mark anchor holes.
- Drill holes and install the appropriate anchors within the surface of the wall.
- Insert screws in **upper** anchors leaving approximately ¼ inch exposed to hang the Centurion.
- With the door opened, position the Centurion on upper screws. Install screw in the anchor hole located in the lower center of the enclosure. Tighten all screws.
- Check that the radio is turned on. If not, turn the radio on.
- Ensure that the internal battery is correctly connected.
- Close and lock the Centurion door.

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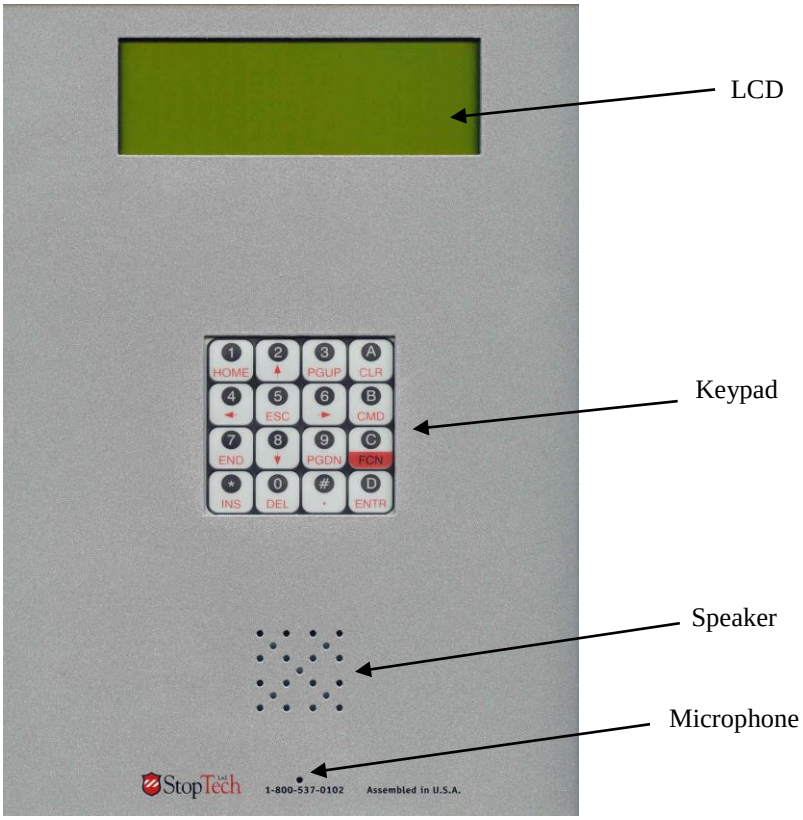
SYSTEM OVERVIEW

FRONT PANEL OVERVIEW

- System Display (LCD) provides for messages of up to 20 characters per line on 4 lines.
- 16-key keypad is designed for simplicity and ease of use for system configuration.
- Built-in speaker for listening to verbal messages.
- Built-in microphone to record verbal messages.



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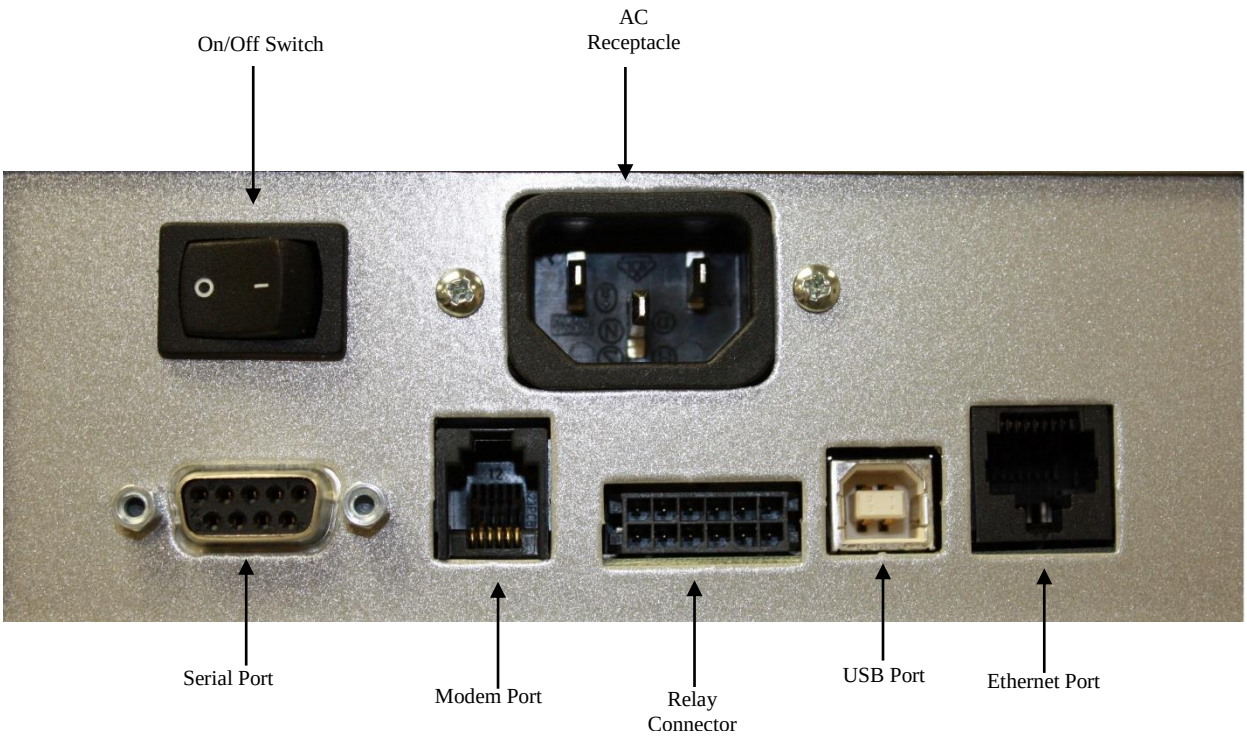
CONNECTOR PANEL LAYOUT

Centurion Connector Panel:

- On/Off Switch: Controls AC electrical power to Centurion.

  The open circle **O** indicates the **OFF** position.
  The dash - indicates the **ON** position.

- AC Receptacle: Outlet to connect AC power cord.
- Serial Port: Connector for serial communication to printer or PC.
- Modem Port: RJ-11 interface connection via standard telephone cable.
- Relay Connector: Utilized to control electrical devices such as lights, cameras, and sirens.
- USB Port: Connector for USB communication to PC.
- Ethernet Port: RJ-45 interface connection to network.



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SYSTEM POWER UP

⚠ Ensure that internal battery is properly connected prior to any power up operation. Without internal battery connected, the battery back-up feature will not function and the system will shut down during a power failure.

AC Operation

Connect power cord to the Centurion (reference page 5-Connector Panel Layout) and to the power outlet. Turn power switch to the ON position.

The ON position of the power switch is denoted by a solid line; the OFF position is denoted by a circle.

It takes approximately 10 to 20 seconds for the Centurion to complete the start-up process. The system will become active when ARM is displayed in the upper-right hand corner of the LCD screen.

Battery Operation

The Internal battery back-up feature ensures system operation in the event of a power outage.

When the Centurion is operating in battery back-up mode, the LCD back light will be off to conserve battery power; to activate the LCD, press any key on the keypad.

Note: The system maintains a trickle charge on the internal back-up battery while running on AC power. The system must be powered on and running on AC power in order to charge the battery. Full charge requires 8 hours.

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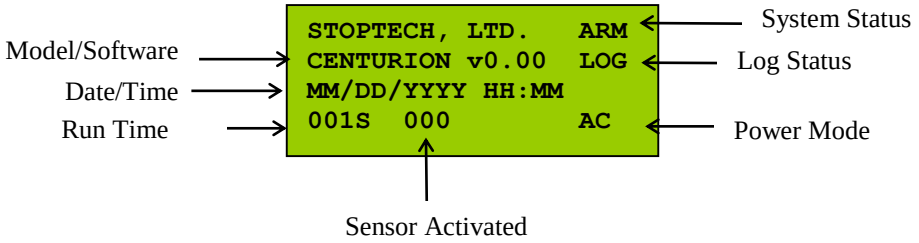
OPERATIONAL STATUS SCREEN

The **OPERATIONAL STATUS SCREEN** displays system parameters of the Centurion:



Model/Software Version
CENTURION
v0.00 – Operating software version

Date/Time
MM/DD/YYYY – Current date.
HH:MM – Current time.

Run Time
191m – Time since last reboot.

Sensor Activated
000 – Indicates the sensor number of the most recent alarm activation processed.

Log Status
LOG – Displayed when the Alarm History has new entries.

Power Mode
AC – Operating on AC 110 volt.
▮▮▮▮ – Operating on the internal battery. Battery blocks indicate current battery charge level.

System Status
ARM – Armed and monitoring sensors.
BSY – busy processing data.
--- – Initializing (booting-up).

Note: If the Centurion is operating on the internal battery, the LCD back light will be off to conserve power. To activate the LCD, press any key on the keypad.

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KEYPAD

Column of keys are always in [SHFT] Mode

Keypad Legend

SHFT – Shift key to utilize red designated keys.
HOME – Navigate to top of menu list.
END – Navigate to bottom of menu list.
CLR – Clear the character above the cursor.
TAB – Tab to next input field.
PGUP – Page up to previous 4 menu items.
PGDN – Page down to next 4 menu items.
INS – Insert characters in front of cursor.
DEL – Deletes the character above cursor.
ENTR – Enter to accept selection or data.
ESC – Exit without saving.

Note: When the LCD display is discussed, parenthesis ( ) denotes a character or set of characters on the LCD, [ ] Brackets denote a key on the keypad.

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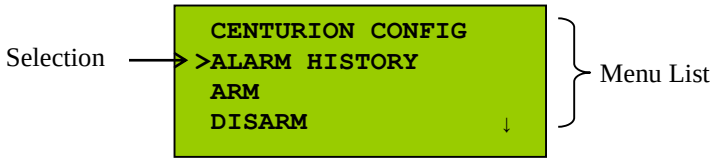
CENTURION MENU SYSTEM

Menus are used to navigate and select functions (i.e. Centurion Configuration) and configure system parameters. The Centurion consists of SELECTION and ENTRY/EDIT Modes.



Navigation Tools

(**>**) - Denotes the selected item to be executed when user presses ENTER [**ENTR**]
[↑] - Press the UP ARROW to move the (**>**) up
[↓] - Press the DOWN ARROW to move the (**>**) down HOME
[**HOME**] - Press the HOME key to navigate to the top of the menu list
[**END**] - Press the END key to navigate to the bottom of the menu list
[**PGUP**] - Press the PAGE UP key to page up to the previous 4 menu items
[**PGDN**] - Press the PAGE DOWN key to page down to the next 4 menu items

Menu List

The Menu List is a list of items which can be selected. Each menu item can contain multiple sub-menus, a selection menu or entry/edit menu.

(↑) - Indicates that there are more items on the prior screen
(↓) - Indicates that there are more items on the next screen
[↑], [**PGUP**] - Press either the UP ARROW or PAGE UP keys to see the previous set of menu items
[↓], [**PGDN**] - Press either the DOWN ARROW or PAGE DOWN keys to see the next set of menu items

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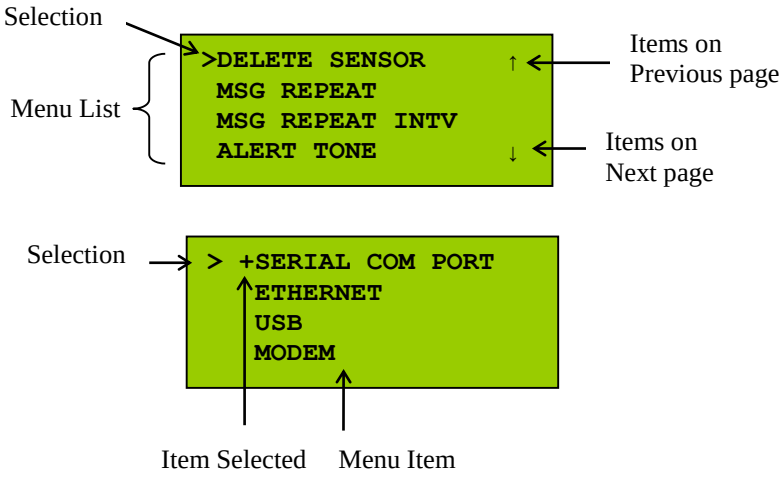
Selection Mode

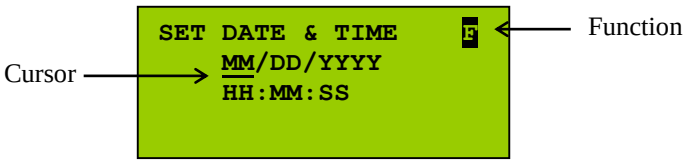
The Selection Mode enables the user to select a configuration item from a multiple-choice list.



Selection (>) - Item selected by pressing ENTER [**ENTR**].
Item Selected (+) - Indicates that the item has been selected within a submenu.
Menu Item - List of multiple-choice items to be selected.

Entry/Edit Mode

The **Entry/Edit Mode** permits the user to enter/edit numeric data utilizing keypad.



Cursor - A blinking underscore (_).
Function - Function mode indicator (F) is displayed when user presses the SHIFT [**SHFT**] (shift key) and activates the **RED** shift keys.

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Menu Items

The Centurion menu is comprised of multiple selections. To move (**>**) to a different menu item, utilize the appropriate selection key and press [**ENTR**]. The following is a description of the menu items and related functions.

Menu Name	Mode	Description
MAIN MENU		
Centurion Configuration	Selection	Configurable Parameters
Alarm History	Selection	Log of Centurion activities
Arm	Selection	Monitoring sensors-Centurion activated for processing alerts
Disarm	Selection	Monitoring sensors-Centurion not activated for processing alerts
Test	Selection	System test function
CENTURION CONFIGURATION		
USER SETUP		
Date and Time		
NTP On/Off	Selection	Use NTP clock synchronization
NTP Server	Entry/Edit	Enter NTP server information
Set Date and Time	Entry/Edit	Enter Date/Time manually
Audio Setup		
Verbal Prompts	Selection	Turn On/Off Verbal Prompts
Set Speaker Volume	Selection	Set the unit Speaker Volume
Keypad Beeps	Selection	Turn On/Off Keypad Beeps
Comm Setup		
Ethernet	Entry/Edit	Configure Ethernet IP address
Modem	Entry/Edit	Configure Modem phone number
Check for Updates	Selection	Checks Update Server for Message and/or Software Updates
Set Rapid Dep PW	Entry/Edit	Establish Rapid Deployment Password
Set Zone Deactivation PW	Entry/Edit	Establish Zone Deactivation Password
Reset DFLT Parms	Selection	Reset Centurion to manufacturer defaults
Unit Serial Number	Display	Serial Number and Software Version
Stealth Mode	Selection	Turns Off LCD power

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MESSAGE SETUP

Record/Play Message	Entry/Edit	Record and Playback Alert Messages
Delete Message	Entry/Edit	Delete Alert Message.
Message Repeat	Entry/Edit	Set number of times a message is repeated and amount of time between repeated messages
Restore All Messages	Selection	Formats Voice Memory and Restores Recorded Messages
Delete All Messages	Entry/Edit	Delete all Alert Messages

SENSOR SETUP

Register Sensors	Selection	Register Sensor to Centurion
Sensor Mapping	Entry/Edit	Mapping Sensors to zones, radios, etc.
Delete Sensor	Entry/Edit	Delete a Sensor from the Centurion
Sensor Strength	Display	Displays Sensor signal quality
PCDuress Info	Display	Displays Available/Used PCDuress Seats

ALARM SETUP

Alert Tones	Selection	Set number of times Alert Tones are transmitted
Battery Notification	Selection	Off/On verbal battery status
Exit Delay	Entry/Edit	Set time for Exiting Facility
Relay Latch Time	Entry/Edit	Time settings for active relays
Device Inactive Time	Entry/Edit	Date and Time Outputs are disabled
Prompt Audible	Selection	Turn Off/On audible prompts
Prompt Setup	Selection	Turn Off/On LCD prompts

ZONE SETUP

Configure Zones	Entry/Edit	Date and time zones are disabled
Delete Zones	Entry/Edit	Delete a zone configuration

RADIO SETUP

Radio 1 Hold PTT	Selection	Set PTT function
Radio 1 PwrUp Time	Entry/Edit	Set Radio 1 PwrUp time
Radio 2 Hold PTT	Selection	Set PTT function
Radio 2 PwrUp Time	Entry/Edit	Set Radio 2 PwrUp time
PTT Logic Radio 1	Selection	Set PTT Logic Radio 1
PTT Logic Radio 2	Selection	Set PTT Logic Radio 2
Power Radio 1	Selection	Set Always On/Auto Power
Power Radio 2	Selection	Set Always On/Auto Power
Radio Clr Ch Delay	Entry/Edit	Select time interval for clear radio channel

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ALARM HISTORY LOG

View History	Selection	View alarm history log
Delete History	Entry/Edit	Delete alarm history log
Email History	Selection	Turn On/Off email history

ARMING & DISARMING

Arm	Selection	Monitoring Sensors; Activated for Processing Alerts
Disarm	Selection	Monitoring Sensors; Not Activated for Processing Alerts

ZONE DEACTIVATION MENU (accessed by separate password entry)

All Zones Deactivated	Selection	Activate/Deactivate Zones 2-16
Select Zones Deactivated	Entry/Edit	Select Zones for Deactivation
Arm	Selection	Monitoring sensors; activated for processing alerts

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SYSTEM CONFIGURATION

⚠ The Centurion Wireless Security System is DISARMED when a user is configuring the system or changing parameters as described in this manual.

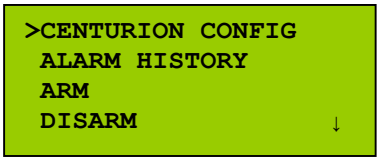
DO NOT configure the system when sensors must be monitored.

If the system is DISARMED, alarms WILL NOT BE PROCESSED or LOGGED. Duress buttons and other sensors activated while the unit is disarmed will not transmit alarms via the radio system or other communication interface option.

Accessing System Configuration

With the **Operational Status** screen displayed, enter the numeric password that has been assigned to the Centurion (found inside cover of Quick Reference Guide), press [**ENTR**]. The following screen will be displayed:

Upon entering the correct password, the **MAIN MENU** will be displayed:



Main Menu

If an incorrect password is entered, the following screen will be displayed **Sorry, Invalid Password...**:

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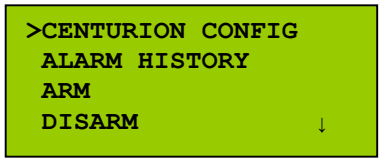
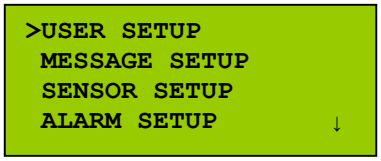
CENTURION CONFIGURATION

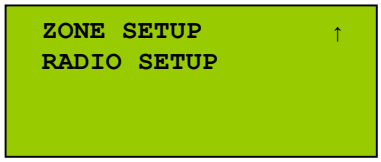
The **Centurion Configuration** menu enables the user to set all configurable parameters within the system via the **MAIN MENU** screen.



Main Menu

Using the [↑] and [↓] keys, select **>CENTURION CONFIG** and press [**ENTR**]. The following configuration submenus are located within the Centurion Configuration Menu:





Centurion Configuration Menu

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» User Setup

The User Setup menu enables the user to configure multiple system settings. Using the [↓] and [↑] keys, select **>USER SETUP** from the Centurion Configuration Menu and press [**ENTR**]. The following menu will be displayed:

```
>DATE & TIME
 AUDIO SETUP
 COMM SETUP
 SET RAPID DEP PW  ↓
```

```
 SET ZONE DEA PSWD ↑
 RESET DFLT PARMS
 UNIT SERIAL NUMBER
 STEALTH MODE
```

Set Date & Time

The Date & Time menu enables the user to configure multiple system settings. Using the [↑] and [↓] keys, select **>DATE & TIME** from the User Setup Menu and press [**ENTR**].

```
>DATE & TIME
 AUDIO SETUP
 COMM SETUP
 SET RAPID DEP PW  ↓
```

User Setup Menu

The following menu will be displayed:

```
> +NTP ON
   NTP OFF
```

Date & Time Menu

Note: Network Time Protocol (NTP) is a networking protocol for clock synchronization. To use this feature the Centurion must be on the local network. See Communications Setup on page 19 for adding the Centurion to the network.

To turn NTP on, using the [↑] and [↓] keys, select **>NTP ON** from the Date & Time Menu and press [**ENTR**]. To turn NTP off and set the date and time manually, see page 17.

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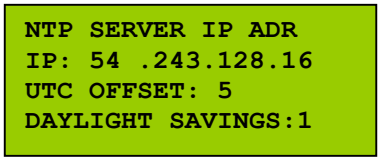
The following menu will be displayed:



NTP Settings Menu

Enter the desired IP, UTC Offset, and Daylight Savings settings.

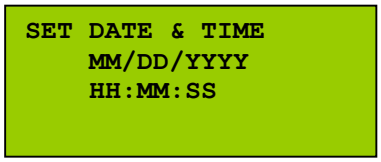
Note: The Centurion comes preconfigured with a default NTP Server IP Address. This address should only be changed if outside access is denied and a local NTP Server will be used.

The UTC Offset is the time difference in hours from Coordinated Universal Time. For example, Eastern Standard Time zone would use a UTC Offset of 5, Central Standard Time zone 6, Mountain Standard Time 7, etc.

If your region recognizes Daylight Savings enter a 1 in the Daylight Savings field. Otherwise enter a 0. Press [**ENTR**] to save the NTP settings.

To turn NTP off, using the [↑] and [↓] keys, select **>NTP OFF** from the Date & Time Menu and press [**ENTR**].

The following menu will be displayed:



HH – time is in 24-hour clock

Enter the date and time using the keypad numerals that correspond to the current date and time using a 24 hour clock scheme (i.e. 1:05pm is 13:05). Press [**ENTR**] to save the date & time.

Note: If you enter an invalid Date/Time, the Centurion will display an error message and will return to the Date & Time screen.

To return to the Main Menu screen, press the [**ESC**] key twice.

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Audio Setup

The Audio Setup menu enables the user to configure multiple audible settings. Using the [↑] and [↓]keys, select **>AUDIO SETUP** from the User Setup Menu and press [**ENTR**].

```
 DATE & TIME
>AUDIO SETUP
 COMM SETUP
 SET RAPID DEP PW  ↓
```

User Setup Menu

The following menu will be displayed:

```
>VERBAL PROMPTS
 SET SPEAKER VOLUME
 KEYPAD BEEPS
```

Audio Setup Menu

Verbal Prompts

The Centurion is programmed with verbal prompts to assist user with menu navigation. This menu enables the user to turn on/off verbal prompts (i.e. "*Enter Password*"). Using the [↑] and [↓]keys, select **>VERBAL PROMPTS** from the Audio Setup Menu and press [**ENTR**].

```
>VERBAL PROMPTS
 SET SPEAKER VOLUME
 KEYPAD BEEPS
```

Audio Setup Menu

The following menu will be displayed:

```
> +VERBAL PROMPT ON
   VERBAL PROMPT OFF
```

Verbal Prompts Menu

Using the [↑] and [↓] keys choose the desired selection and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key four times.

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Set Speaker Volume

The Set Speaker Volume menu enables the user to select speaker volume (0 to 9). Using the [↑] and [↓] keys, select **>SET SPEAKER VOLUME** from the Audio Setup Menu and press [**ENTR**].

```
 VERBAL PROMPTS
>SET SPEAKER VOLUME
 KEYPAD BEEPS
```

Audio Setup Menu

The following menu will be displayed:

```
SET SPEAKER VOLUME

MIN < ████      > MAX
    0123456789
```

Set Speaker Volume Menu

Utilizing the [→] and [←] keys on the keypad, SET SPEAKER VOLUME level to desired selection and press [**ENTR**].

Note: This function has no affect on radio transmit modulation level or message record level.

To return to the Main Menu screen, press the [**ESC**] key three times.

Keypad Beeps

Keypad Beeps can be utilized to assist user with menu navigation through audible feedback when a key is depressed. This menu enables the user to turn the keypad beeps on or off. Using the [↑] and [↓] keys, select **>KEYPAD BEEPS** from the Audio Setup Menu and press [**ENTR**].

```
 VERBAL PROMPTS
 SET SPEAKER VOLUME
>KEYPAD BEEPS
```

Audio Setup Menu

The following menu will be displayed:

```
> +KEYPAD BEEP ON
   KEYPAD BEEP OFF
```

Using the [↑] and [↓] keys choose the desired selection and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key four times.

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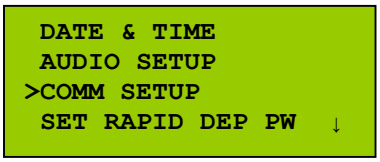
Communication Setup

The Communication Setup menu enables the user to configure an alternate method of transmitting alert data. Using the [↑] and [↓] keys, select **>COMM SETUP** from the User Setup Menu and press [**ENTR**].



User Setup Menu

The following menu will be displayed:

Communication Setup Menu

⚠ We recommend that you contact an authorized Centurion technician before attempting to setup the Communication Interface. Errors in configuring the interface may disrupt the ability of your system to process alarms.

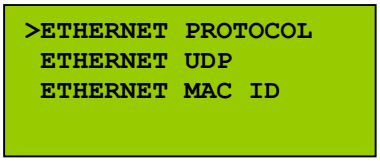
To return to the Main Menu screen, press the [**ESC**] key three times.

Ethernet Configuration

Using the [↑] and [↓] keys, select **>ETHERNET** from the Communication Setup Menu and press [**ENTR**].

Communication Setup Menu

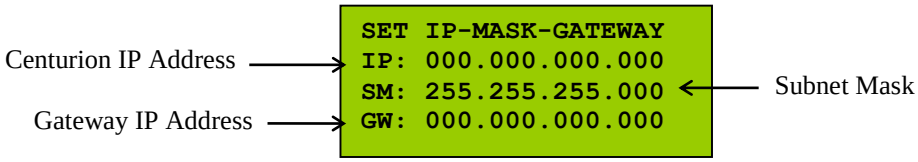
The following menu will be displayed:



Ethernet Configuration Menu

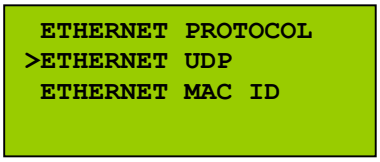
Note: IT personnel responsible for maintaining network must be available for integration.

Using the [↑] and [↓] keys, select **>ETHERNET PROTOCOL** from the Ethernet Configuration Menu and press [**ENTR**]. The following menu will be displayed:



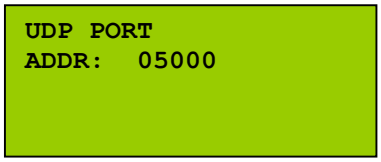
Enter designated Centurion IP Address, Subnet Mask and Gateway IP Address.

Note: Entering zeros (0) in the IP address field will enable DHCP mode.



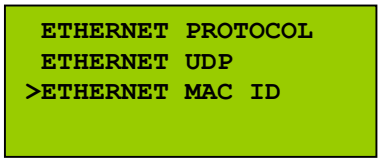
Ethernet Configuration Menu

Using the [↑] and [↓] keys, select **>ETHERNET UDP** from the Ethernet Configuration Menu and press [**ENTR**]. The following menu will be displayed:

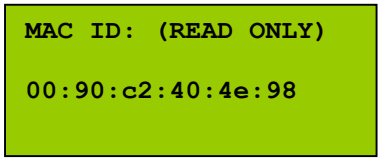


Enter designated UDP address and press [**ENTR**].

Using the [↑] and [↓] keys, select **>ETHERNET MAC ID** from the Ethernet Configuration Menu and press [**ENTR**].



The following menu will be displayed:



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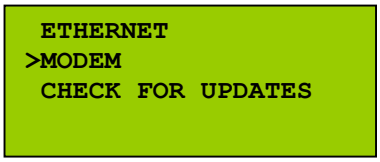
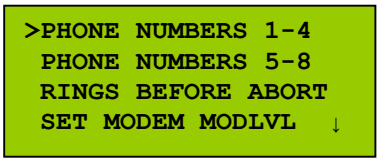
Modem Configuration

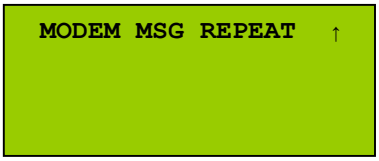
The Centurion modem can be configured to establish a communication connection to one of eight designated numbers. Should multiple numbers be selected, the Centurion modem will attempt to connect in sequential order: 1 - 8. Using the [↑] and [↓] keys, select **>MODEM** from the Communication Setup Menu and press [**ENTR**].



Communication Setup Menu

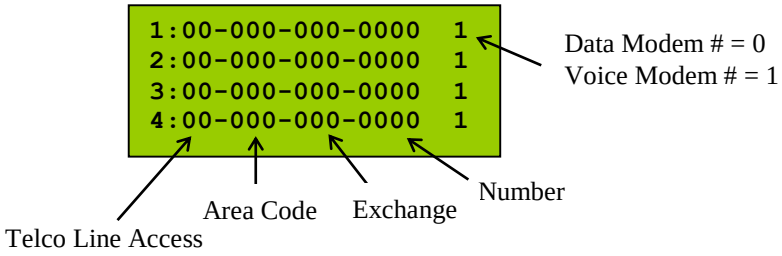
The following menu will be displayed:

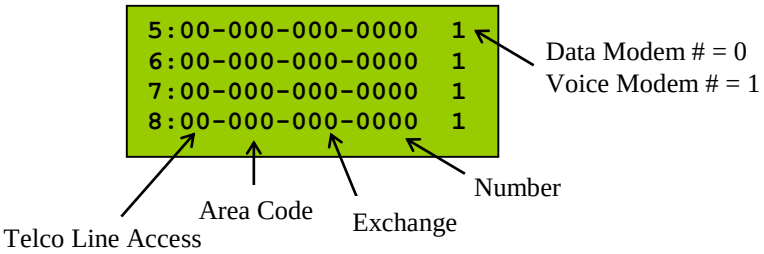




Modem Configuration Menu

Using the [↑] and [↓] keys, select **>PHONE NUMBERS 1-4 or PHONE NUMBERS 5-8** from the Modem Configuration Menu and press [**ENTR**]. The following menus will be displayed:





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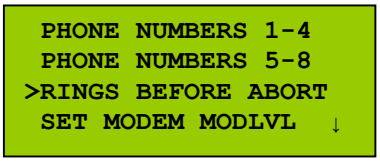
Enter designated telephone number in appropriate fields; enter 0 for data and enter 1 for voice communication and press [**ENTR**].

Note: Telephone destination, determines amount of telephone number digits required (i.e. local= 555 1212 long distance=1 513 555 1212).

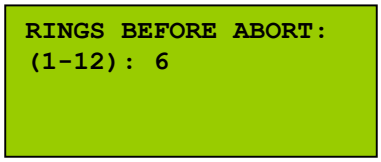
The Centurion modem can dial up to 8 numbers.

Note: To dial 911 place numerals in area code field. Placing 911 in exchange and or number field will result in a dialing error.



Modem Configuration Menu

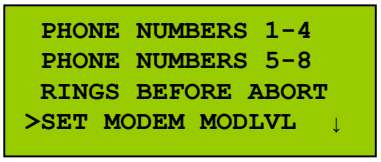
Using the [↑] and [↓] keys, select **>RINGS BEFORE ABORT** from the Modem Configuration Menu and press [**ENTR**]. The following menu will be displayed:



Enter the number of rings 1-12. Make the appropriate selection and press [**ENTR**] to program your selection.

Set Modem Mod Level

The Set Modem Mod Level menu enables the user to select modem mod level (0 to 9). Using the [↑] and [↓] keys, select **>SET MODEM MOD LEVEL** from the Modem Configuration Menu and press [**ENTR**].



Modem Configuration Menu

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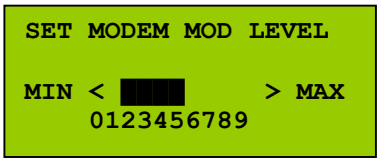
The following menu will be displayed:

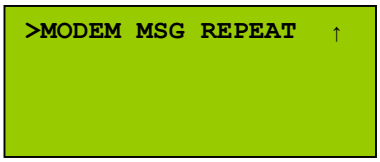


Utilizing the [→] and [←] keys on the keypad, set modem mod level to desired selection, press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key four times.

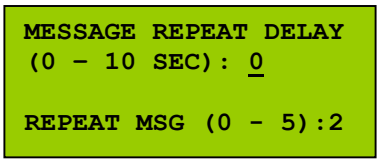
Modem Message Repeat

The Modem Message Repeat menu enables the user to select the time interval between message transmissions (**0 - 10 sec**) and select how many times (**0 - 5**) the message will retransmit. Using the [↑] and [↓] keys, select **>MODEM MSG REPEAT** from the Modem Configuration Menu and press [**ENTR**].



Modem Configuration Menu

The following menu will be displayed:

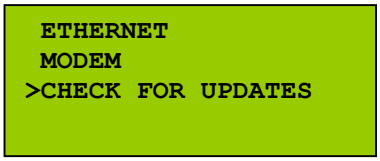


Make the appropriate selections and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key four times.

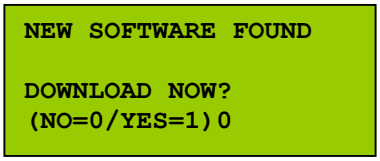
Check for Updates

When the Centurion is networked, it can check the Update Server for updates. If additional messages have been purchased, this feature will upgrade the message capability adding the recently purchased messages to the Centurion. This option will also check for software upgrades for the Centurion. Using the [↑] and [↓] keys, select **>CHECK FOR UPDATES** from the Communication Setup Menu and press [**ENTR**].



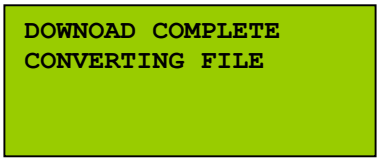
Communication Setup Menu

If connection to the Update Server was unsuccessful, an error will be displayed on the screen. If connection to the Update Server was successful and there is a software update available, the following screen will be displayed:



⚠ We recommend that you contact an authorized Centurion technician before updating software versions. Not all versions of software are upgradable through this interface and attempting to do so can result in errors that may disrupt the ability of your system to process alarms.

Verify the selection; **No=0** (do not upgrade software) or **Yes=1** (upgrade software). Make the appropriate selection and press [**ENTR**]. If "NO" is selected, the system will immediately check for message upgrades (see below). If "YES" is selected the following screens will be displayed:



Once complete, the screen will return to the Communication Setup Menu. The Centurion will reboot automatically once the system is armed in order to complete the upgrade. To return to the Main Menu screen, press the [**ESC**] key three times.

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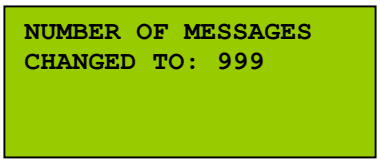
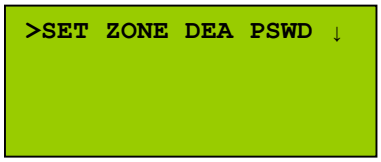
If connection to the Update Server was successful and there are messages available, the following will be displayed showing the updated message capability:



Once complete, the screen will return to the Communication Setup Menu. To return to the Main Menu screen, press the [**ESC**] key three times.

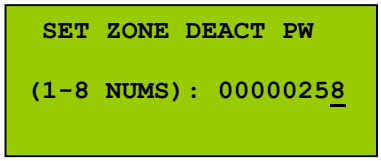
Set Zone Deactivation Password

The Set Zone Deactivation Password menu enables the "**MAIN"** user to change password for the Zone Deactivation Menu. Using the [↑] and [↓] keys, select **>SET ZONE DEA PSWD** from the User Setup Menu and press [**ENTR**].



User Setup Menu

The following menu will be displayed:



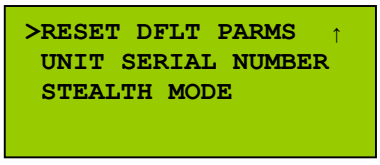
Enter Zone Deactivation password (up to 8 characters) and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

Note: The main user password can only be changed by an authorized Centurion technician.

Reset Default Parameters

The Centurion's parameters can be reset to the original manufacturer settings: zones, sensors and system parameters. Using the [↑] and [↓] keys, select **>RESET DFLT PARMS** from the User Setup Menu and press [**ENTR**].



User Setup Menu

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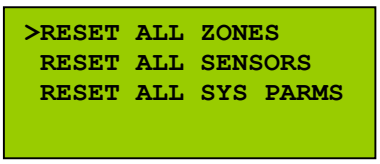
The following menu will be displayed:

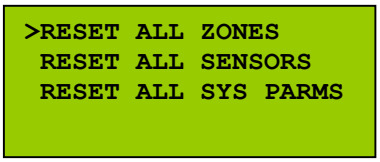


Reset Default Parameters Menu

Using the [↑] and [↓] keys choose the desired selection, press [**ENTR**].

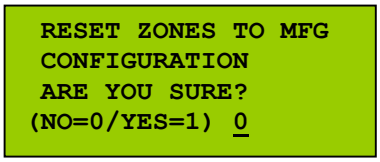
Reset All Zones to Manufacturing Configuration

The Reset All Zones to Manufacturing Configuration menu enables the user to restore all Zones to original manufacturer settings. Using the [↑] and [↓] keys, select **>RESET ALL ZONES** from the Reset Default Parameters Menu and press [**ENTR**].



Reset Default Parameters Menu

The following menu will be displayed:

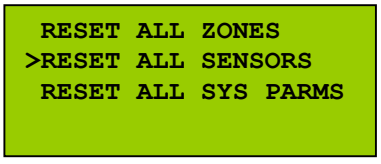


Verify the selection **No=0** (do not reset zones) or **Yes=1** (reset zones). Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

Reset All Sensors to Manufacturing Configuration

The Reset All Sensors to Manufacturing Configuration menu enables the user to restore all Sensors to original manufacturer settings. Using the [↑] and [↓] keys, select **>RESET ALL SENSORS** from the Reset Default Parameters Menu and press [**ENTR**].



Reset Default Parameters Menu

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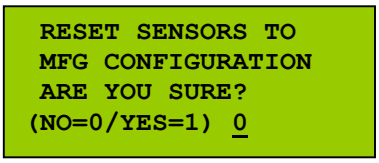
The following menu will be displayed:



Verify the selection **No=0** (do not reset sensors) or **Yes=1** (reset sensors). Make the appropriate selection and press [**ENTR**] to program your selection.

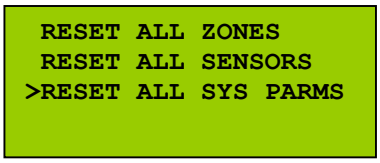
To return to the Main Menu screen, press the [**ESC**] key three times.

Reset All System Parameters

The Reset All System Parameters menu enables the user to restore System Parameters to original manufacturer settings. This function will reset the following factory settings:

- Relay latch times set to 0
- Radio clear channel delay time set to 0
- Message repeat set to no repeat
- Message repeat interval set to 0
- Alert tones set to off
- Communication interface set to serial port
- Verbal prompts are set to on
- Keypad beeps are set to on
- Modem telephone numbers are cleared
- Ethernet IP addresses are cleared

Using the [↑] and [↓] keys, select **>RESET ALL SYS PARMS** from the Reset Default Parameters Menu and press [**ENTR**].



Reset Default Parameters Menu

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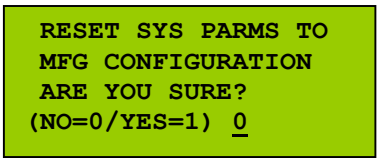
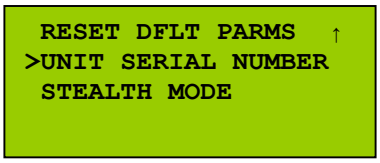
The following menu will be displayed:



Verify the selection **No=0** (do not reset sensors) or **Yes=1** (reset sensors). Make the appropriate selection and press [**ENTR**] to program your selection.
To return to the Main Menu screen, press the [**ESC**] key three times.

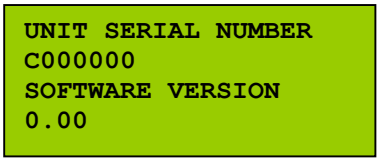
Unit Serial Number/Software Version

The Unit Serial Number/Software Version menu enables the user to view the unit serial number and operating software version. Using the [↑] and [↓] keys, select **>UNIT SERIAL NUMBER** from the User Setup Menu and press [**ENTR**].



User Setup Menu

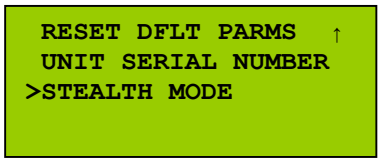
The following menu will be displayed:



To return to the Main Menu screen, press the [**ESC**] key three times.

Stealth Mode

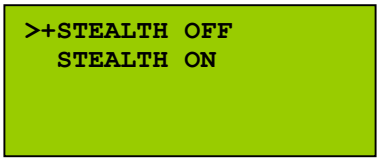
The Stealth Mode menu (turns LCD screen off) enables the user to turn the Stealth Mode on or off. Using the [↑] and [↓] keys, select **>STEALTH MODE** from the User Setup Menu and press [**ENTR**].



User Setup Menu

©Response Technologies, Ltd.

The following menu will be displayed:

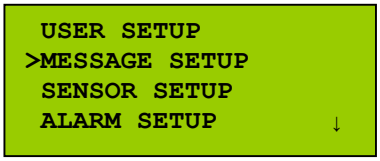


Make the appropriate selection and press the [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

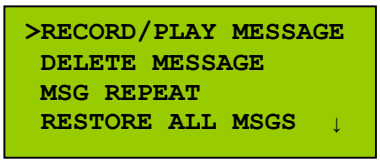
» Message Setup

The Message Setup menu enables the user to record, play, delete and manage repeats of all verbal messages. Using the [↑] and [↓] keys, select **>MESSAGE SETUP** from the Centurion Configuration Menu and press [**ENTR**].



Centurion Configuration Menu

The following menu will be displayed:

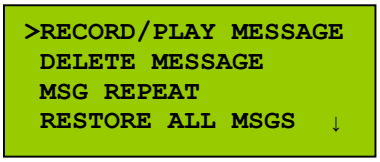


Message Setup Menu

Note: Must delete old message prior to recording new message. See Delete Message.

Record/Play Message

Using the [↑] and [↓] keys, select **>RECORD/PLAY MESSAGE** from the Message Setup Menu and press [**ENTR**].



Message Setup Menu

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The following menu will be displayed:

```
RECORD/PLAY MESSAGE
(PLAY=0/RECORD=1):0
MESSAGE: 51
```

To record a message, select [**1**] and enter message number in the **MESSAGE:** field then press [**ENTR**]. The following screen will appear and a beep will sound. After the beep, immediately start speaking into the microphone. Speak within of 6-12 inches of the microphone, located at the bottom of the front panel (see Front Panel Overview, page 4). When the message is completed, press [**ENTR**] to save the message.

```
RECORD/PLAY MESSAGE
(PLAY=0/RECORD=1):1
MESSAGE: 51
RECORDING
```

To return to the Main Menu screen, press the [**ESC**] key three times.

To play a message, select [**0**] and enter the message number in the **MESSAGE:** field then press [**ENTR**]. The following screen will appear and the message will play through the Centurion's built-in speaker. Press [**ENTR**] to cease message play back.

```
RECORD/PLAY MESSAGE
(PLAY=0/RECORD=1):0
MESSAGE: 51
```

```
PLAYING MSG 51
```

Note: Press [ENTR] to cease message play back.

To return to the Main Menu screen, press the [**ESC**] key three times.

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Delete Message

Note: Deleted Messages cannot be recovered.

Using the [↑] and [↓] keys, select **>DELETE MESSAGE** from the Message Setup Menu and press [**ENTR**].

```
 RECORD/PLAY MESSAGE
>DELETE MESSAGE
 MSG REPEAT
 RESTORE ALL MSGS   ↓
```

Message Setup Menu

The following screen will be displayed:

```
DELETE MESSAGE: 52
ARE YOU SURE?
(NO=0/YES=1): 1
```

To delete a message, enter the message number in the **DELETE MESSAGE**: field and press **[TAB]** to move to the next field. Verify the selection; **No=0** (do not delete message) or **Yes=1** (delete message). Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key twice.

Message Repeat

The Message Repeat menu enables the user to select the time interval between message transmissions (**0 - 10 sec**) and select how many times (**Repeat 0-5**) the message will retransmit. Using the [↑] and [↓] keys, select **>MSG REPEAT** from the Message Setup Menu and press [**ENTR**].

```
 RECORD/PLAY MESSAGE
 DELETE MESSAGE
>MSG REPEAT
 REPAIR MSG MEMORY  ↓
```

Message Setup Menu

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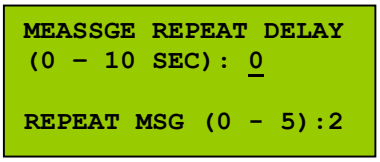
The following menu will be displayed:

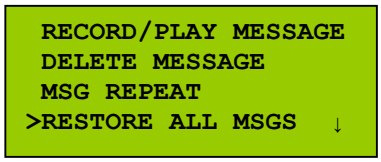


Make the appropriate selections and press [ENTR] to program your selection.

To return to the Main Menu screen, press the [ESC] key twice.

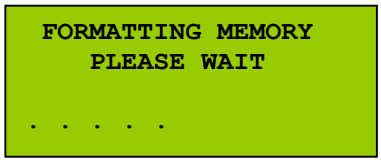
Restore All Messages

Using the [↑] and [↓] keys, select **>RESTORE ALL MSGS** from the Message Setup Menu and press [ENTR].



Message Setup Menu

The following screen will be displayed:



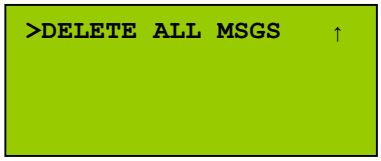
Once restore is completed the screen will return to the Message Setup Menu.

To return to the Main Menu screen, press the [ESC] key twice.

Delete All Messages

Note: Deleted Messages cannot be recovered.

Using the [↑] and [↓] keys, select **>DELETE ALL MSGS** from the Message Setup Menu and press [ENTR].



Message Setup Menu

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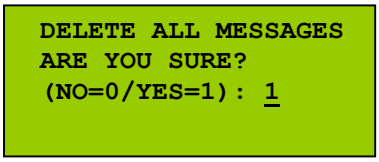
Revised: October 7, 2015

The following screen will be displayed:

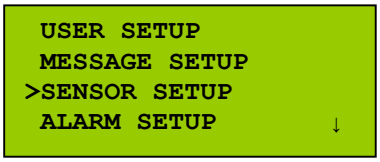


Verify the selection; **No=0** (do not delete messages) or **Yes=1** (delete all messages). Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key twice.

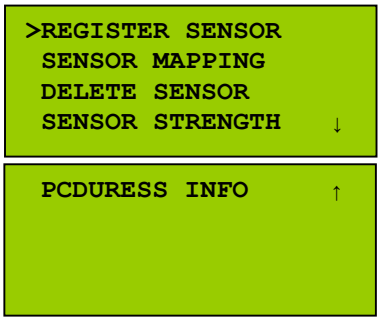
» Sensor Setup

The Sensor Setup menu enables the user to manage multiple system sensors. Using the [↑] and [↓] keys, select **>SENSOR SETUP** from the Centurion Configuration Menu and press [**ENTR**].



Centurion Configuration Menu

The following menu will be displayed:



Sensor Setup Menu

Register Sensors

The Register Sensor menu enables the user to register various sensors to the Centurion.

Note: When registering sensors, it is necessary to assign a unique identification number to each sensor for the purpose of tracking and supervisory functions.

Using the [↑] and [↓] keys, select **>REGISTER SENSOR** from the Sensor Setup Menu and press [**ENTR**].

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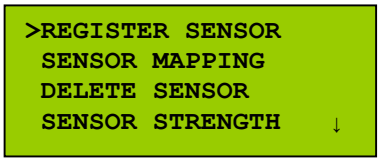
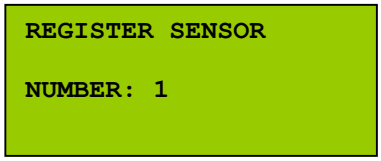
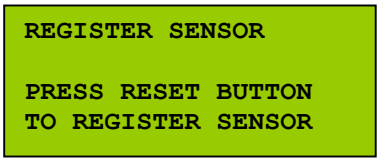


Sensor Setup Menu

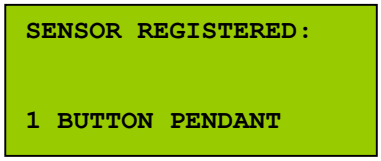
The following menu will be displayed:



Assign an ID number to the sensor. Use a number unique to only that sensor (i.e. **001**.), press [**ENTR**] to begin the registering process. The following screen will be displayed:



Press the reset button on the sensor, (location of the reset button is included with sensor registering instructions). The following screen will be displayed:



To return to the Main Menu screen, press the [**ESC**] key twice.

Sensor Supervisory Functions

When the Centurion is ARMED, Sensor Tamper, Sensor Low Battery, and Sensor Missing functions are supervised.

⚠ These notifications are NOT transmitted via the radio system or other communication interface options. The ALARM HISTORY LOG will be updated with this information. However, individual Supervisory Functions can be turned on to view associated text on the LDC screen.

REVIEW THE ALARM HISTORY LOG whenever new information is logged. The log can be reviewed on the System Display (LCD) or it can be sent by e-mail (see Section 5).

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Sensor Missing - If the sensor misses more than three check-in cycles, the sensor is logged as missing; Centurion will log the event in Alarm History.

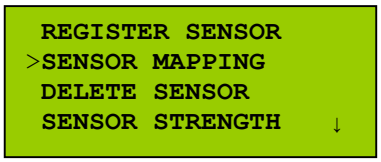
Sensor Tamper - If the sensor has been tampered with (i.e. its cover was removed), the sensor is logged as tampered; Centurion will log the event in Alarm History.

Low Battery - If the sensor battery becomes low, the sensor is logged as having a low battery; Centurion will log the event in Alarm History.

Note: Not all sensors have tamper capabilities; reference manufacturer sensor documentation.

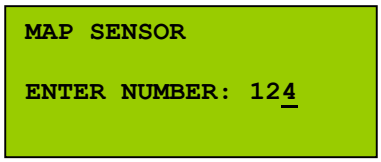
Sensor Mapping

Sensor Mapping enables the user to configure a specific sensor to: transmit a radio message, turn on relays, generate entry/exit delays, transmit DTMF tones and create zones. Using the [↑] and [↓] keys, select **>SENSOR MAPPING** from the Sensor Setup Menu and press [**ENTR**].



Sensor Setup Menu

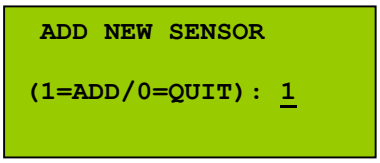
The following screen will be displayed:

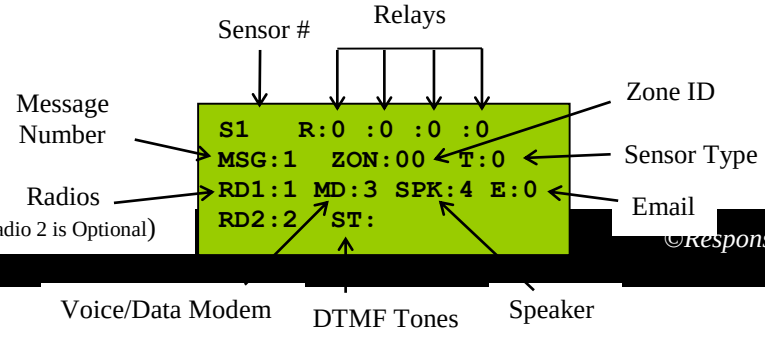


Note: Sensors must be mapped to process an alarm.

Enter the ID number of the sensor to be mapped and press [**ENTR**].

If a sensor has not previously been mapped the Add New Sensor screen will appear. Verify the selection **1 = Add** (add new sensor) or **0 = Quit** (do not add new sensor). Make the appropriate selection and press [**ENTR**] to program your selection.





S = The ID number of the sensor to be mapped (not a configurable field).

R = Relays are utilized to activate other electrical devices (i.e. lights, sirens and cameras). Assigning a numeric value of **0** disables the relay mode. To activate a Relay, (please reference page 38 - **Relay Latch Time**).

Note: Additional wiring and electrical knowledge is required to complete this procedure.

MSG = Message to be played when sensor is activated; enter numerically using keypad (default is same as sensor number).

ZONE = User-defined areas that assign sensors to a given geographic area or function (please reference page 41 - **Configure Zones** for additional information).

T = Sensor Type (not a configurable field).

RD = Assign radio output priority; value will be **0** (i.e., radio not utilized), **1, 2, 3 or 4** if equipped with multiple radios and/or voice modem.

MD = Assign voice modem output priority; value will be **0** (i.e., voice modem not utilized), **1, 2, 3 or 4** if equipped with multiple radios and/or voice modem.

SPK = Assign speaker output priority; value will be **0** (i.e., speaker not utilized), **1, 2, 3 or 4** if equipped with multiple radios and/or voice modem.

Note: Output priorities for radio, voice modem, and speaker must be unique from one another or system malfunction will occur.

E = Email transmittal; assigning a numeric value of **1** enables email mode, assigning a numeric value of **0** disables email mode.

Note: End user IT personnel responsible for setup/maintenance of email feature integration.

ST = DTMF tones that can be transmitted in lieu of or in conjunction with radio transmission. Enter the DTMF tones you wish to be played. This field will accept **0** through **9**, **#** & *****.

Note: Additional equipment and radio/telephone knowledge is required to complete this procedure.

When all parameters are set, press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

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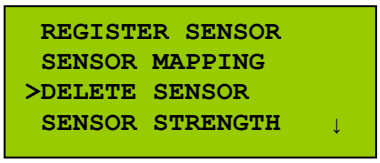
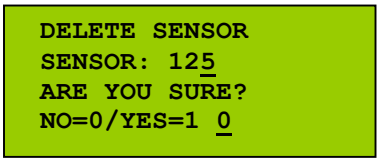
Delete Sensor

The Delete Sensor option enables the user to remove a mapped (programmed) sensor. Using the [↑] and [↓] keys, select **>DELETE SENSOR** from the Sensor Setup Menu and press [**ENTR**].



Sensor Setup Menu

The following menu will be displayed:

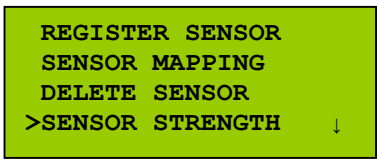


Enter the ID number of the sensor to be deleted. Verify the selection **No=0** (do not delete sensor) or **Yes=1** (delete sensor). Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key twice.

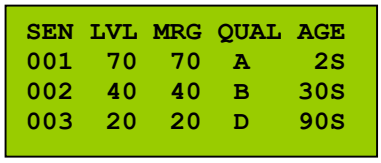
Sensor Strength

The Sensor Strength menu enables the user to view sensor signal quality. Using the [↑] and [↓] keys, select **>SENSOR STRENGTH** from the Sensor Setup Menu and press [**ENTR**].



Sensor Setup Menu

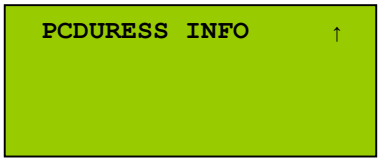
The following menu will be displayed:



To return to the Main Menu screen, press the [**ESC**] key three times.

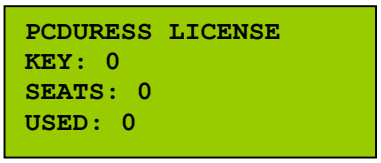
PCDuress® Information

The PCDuress® Information menu enables the user to view the total licenses available and currently in use. Using the [↑] and [↓] keys, select **>PCDURESS INFO** from the Sensor Setup Menu and press [**ENTR**].



Sensor Setup Menu

The following screen will be displayed:

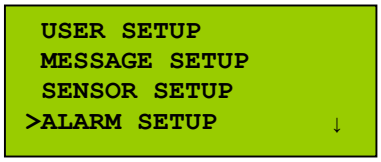


PCDuress® Information Screen

To return to the Main Menu screen, press the [**ESC**] key three times.

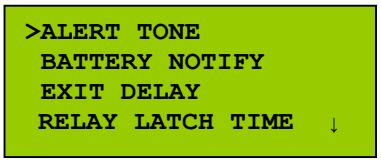
» Alarm Setup

The Alarm Setup menu enables the user to configure system alarm parameters. Using the [↑] and [↓] keys, select **>ARAM SETUP** from the Centurion Configuration Menu and press [**ENTR**].



Centurion Configuration Menu

The following menu will be displayed:



Alarm Setup Menu

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Alert Tone

The Alert Tone menu enables the user to select how many times the alert tones will play prior to the verbal message. Using the [↑] and [↓] keys, select **>ALERT TONE** from the Alarm Setup Menu and press [**ENTR**].

```
>ALERT TONE
 BATTERY NOTIFY
 EXIT DELAY
 RELAY LATCH TIME  ↓
```

Alarm Setup Menu

The following menu will be displayed:

```
> +DISABLE
   PLAY TONE 1 TIME
   PLAY TONE 2 TIMES
```

Using the [↑] and [↓] keys choose the desired selection and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key three times.

Battery Notification

The Centurion is programmed with verbal notifications of internal back-up battery status (i.e. *"system operating on internal battery", "internal battery failure imminent"*). These notifications are transmitted via user's radio system and/or the communication interface options.

This notification is only for the internal battery of the main Centurion unit, not duress buttons or other sensors.

⚠ The ALARM HISTORY LOG is updated with important system information, such as missing sensors, sensor tampering, and battery notifications for duress buttons and other sensors (see Section 5). REVIEW THE ALARM HISTORY LOG whenever new information is logged.

Using the [↑] and [↓] keys, select **>BATTERY NOTIFY** from the Alarm Setup Menu and press [**ENTR**].

```
 ALERT TONE
>BATTERY NOTIFY
 EXIT DELAY
 RELAY LATCH TIME  ↓
```

Alarm Setup Menu

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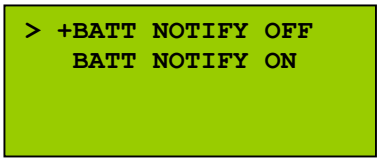
The following menu will be displayed:

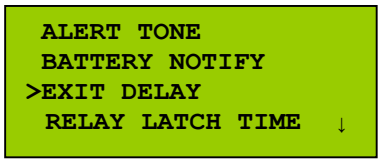


Using the [↑]and [↓]keys, move the **>** character to the desired selection, press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key three times.

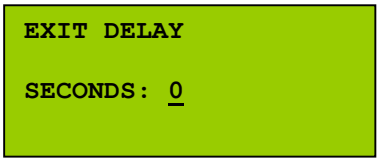
Exit Delay

The Exit Delay menu enables the user to select the time interval (**0 to 999 sec**) to disregard alarms for the purpose of exiting the facility. Using the [↑] and [↓] keys, select **>EXIT DELAY** from the Alarm Setup Menu and press [**ENTR**].



Alarm Setup Menu

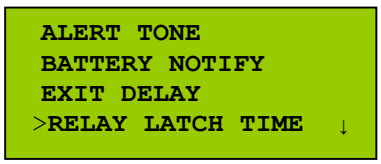
The following menu will be displayed:



Enter the time (**0 to 999 sec**) numerically and press [**ENTR**].

Relay Latch Time

The Relay Latch Time menu enables the user to select the time interval for 1 to 4 relays. Using the [↑] and [↓] keys, select **>RELAY LATCH TIME** from the Alarm Setup Menu and press [**ENTR**].



Alarm Setup Menu

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The following menu will be displayed:

```
RELAY LATCH TIMES
1:000   2:000
3:000   4:000
```

Variable latch times for each relay can be set from 1 to 998 seconds or an indefinite latch time can be designated by entering 999 (device will remain "latched" until Centurion is disarmed). Enter desired time numerically and press [**ENTR**]. The 12-pin relay connector is located on the Centurion connector panel (reference Connector Panel diagram, page 5) see below for the wiring harness diagram.

PIN 1 **COMMON**	**PIN 3** **N/O**	**PIN 5** **N/C**	**PIN 7** **COMMON**	**PIN 9** **N/O**	**PIN 11** **N/C**
PIN 2 **N/C**	**PIN 4** **COMMON**	**PIN 6** **N/O**	**PIN 8** **N/C**	**PIN 10** **COMMON**	**PIN 12** **N/O**

Wiring Harness Diagram

Note: Additional wiring and electrical knowledge is required to complete this procedure. Consult with a licensed electrician or authorized Centurion technician.

To return to the Main Menu screen, press the [**ESC**] key twice.

Device Inactive Time

The Device Inactive Time menu enables the user to set output time per device for radio (1-2) speaker and modem. Using the [↑] and [↓] keys, select **>DEVICE INACTIVE TIME** from the Alarm Setup Menu and press [**ENTR**].

```
>DEV INACTIVE TIMES↑
 PROMPT AUDIBLE
 PROMPT Setup
```

Alarm Setup Menu

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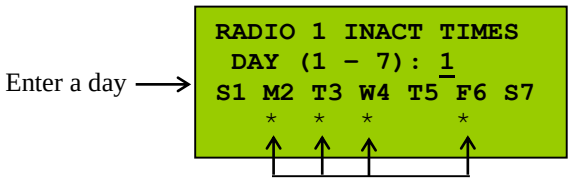
The following menu will be displayed:

```
ENTER OUTPUT DEVICE
RADIO (1-2) MODEM 3
DEVICE (1-3): 1
SPEAKER 4
DEVICE (1-4): 1
```

Enter the device **1 – 4** and press [**ENTR**]. The following menu will be displayed:



Days with inactive times Configured

Enter 1 through 7, which corresponds with the day of the week for radio 1 configuration. Within a 24-hour period, each inactive time can be programmed for 1 to 3 scheduled inactive configurations. Inactive times can vary from one minute (00:00 - 00:01) to 23 hours and 59 minutes (00:00 - 23:59). The FROM time must be less than the TO time or an error message will be displayed. Make the appropriate selection and press [**ENTR**] to program your selection. The following menu will be displayed:

```
RADIO 1 INACT TIMES
FROM 00:00 TO 00:00
     00:00    00:00
     00:00    00:00
```

Enter inactive times utilizing 24 hour clock (i.e., 1:05pm is 13:05). Output inactive times, will program the Centurion to inactivate output devices configured to a designated time frame. The example below illustrates the output inactive from 12:01am to 7:00am and from 6:01pm to 9:00pm and from 10:30pm to 11:59pm.

Note: Supervisory functions such as Sensor Tamper, Sensor Low Battery and Sensor Missing are monitored during "active" and "inactive" configurations.

```
RADIO 1 INACT TIMES
FROM 00:01 TO 07:00
     18:01    21:00
     22:30    23:59
```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Make the appropriate selections, press [**ENTR**]. The following menu will be displayed:

```
RADIO 1 INACT TIMES
 DAY (1 - 7): 2
S1 M2 T3 W4 T5 F6 S7
   *
```

Repeat above Device Inactive Time Configuration steps to program additional days per week and output devices.

To return to the Main Menu screen, press [**SHFT**] then [**ESC**] key twice.

To set the inactive time to be inactive between two days, (i.e., 11:30pm Monday to 2:00am Tuesday), enter the two configuration days for that inactive time, (i.e., for Monday, enter from: 23:30 to: 23:59; Tuesday enter from: 00:00 to: 02:00).

MONDAY

```
RADIO 1 INACT TIMES
FROM 23:30 TO 23:59
     00:00    00:00
     00:00    00:00
```

TUESDAY

```
RADIO 1 INACT TIMES
FROM 00:00 TO 02:00
     00:00    00:00
     00:00    00:00
```

To set the output devices to be active at all times do not enter any numerals in the menu as displayed below.

```
RADIO 1 INACT TIMES
FROM 00:00 TO 00:00
     00:00    00:00
     00:00    00:00
```


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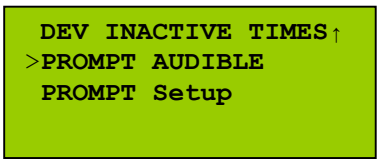
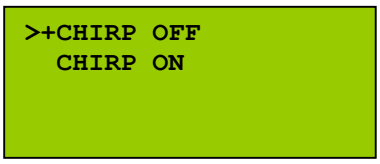
Prompt Audible

The Prompt Audible menu allows the user to turn on or off the Chirp function. Using the [ ] and [ ] keys, select **>Prompt Audible** from the Alarm Setup Menu and press [**ENTR**].



Alarm Setup Menu

The following menu will be displayed:

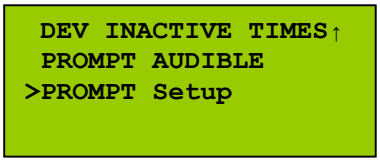


Prompt Audible Menu

To turn Chirp off, using the [↑] and [↓] keys, select **>Chirp OFF** and press [**ENTR**]. To turn Chirp on, using the [↑] and [↓] keys, select **>Chirp ON** and press [**ENTR**].

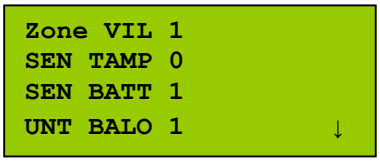
Prompt Setup

The Prompt Setup menu enables the user to turn on/off the Supervisory Functions displayed on the LCD. . Using the [ ]and [ ]keys, select **>Prompt Setup** from the Alarm Setup Menu and press [**ENTR**].



Alarm Setup Menu

The following menu will be displayed:



Prompt Setup Menu

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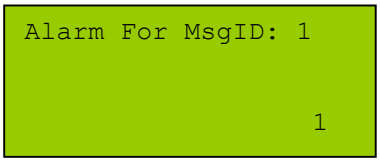
Using the [↑] and [↓] keys, select **the** page with the Supervisory Function you want to edit and press [**ENTR**]. Only the four functions displayed are editable at a time.

Use the TAB key to move the cursor to the function on the page you wish to edit. Change selection to 1 (ON) or 0 (OFF) and press [**ENTR**]. Repeat for additional changes.

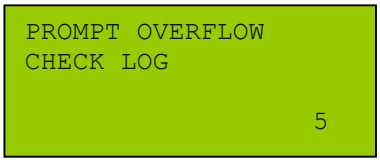
ZONE VIL	–	Displays text associated with the activated button's message
SEN TAMP	–	Displays message if the tamper switch is activated
SEN BATT	–	Displays sensor battery status message
UNIT BALO	–	Displays Centurion battery status message
SEN RST	–	Displays message if sensor reset button is presses
SEN MISS	–	Displays message if sensor is unable to communicate with the Centurion
SYS STRT	–	Displays message when the Centurion is restarts
ON BATT	–	Displays message when Centurion is running on the backup battery
SEN RTND	–	Displays message when a missing sensor reestablishes communication with the Centurion
RCV MISS	–	Displays message if Receiver is unable to communicate with the Centurion
RCV JAM	–	Displays message if Receiver is unable to communicate with sensors due to RF interference
RCV LINK	–	Displays message if Receiver has not received the check-in message from the Centurion
SMTP	–	Displays message if email cannot be delivered

The Centurion will queue up to 5 notifications to be displayed by the LCD screen. To clear notifications the user must press [**ENTR**]. Once cleared notifications cannot be viewed from the screen, but are accessible in the Alarm History.



Zone VIL Example

If the number of notifications exceeds 5 the following screen will be displayed.



Prompt Overflow

The FIRST 5 notifications are viewable on the LCD and all subsequent notifications are accessible in the Alarm History

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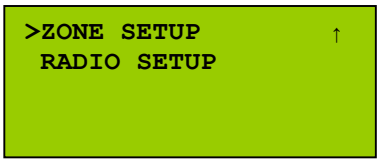
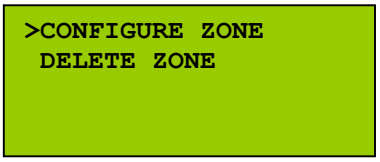
»Zone Setup

The Zone Setup menu enables the user to assign and configure zone parameters. Using the [↑] and [↓] keys, select **>ZONE SETUP** from the Centurion Configuration Menu and press [**ENTR**].



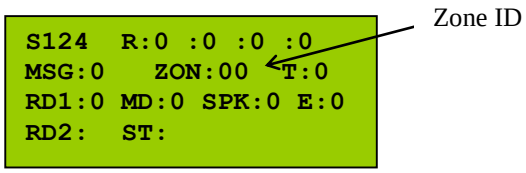
Centurion Configuration Menu

The following menu will be displayed:



Zone Setup Menu

Note: Sensors associated with a particular zone must include the appropriate zone identification (performed during the sensor mapping operation) as seen below.



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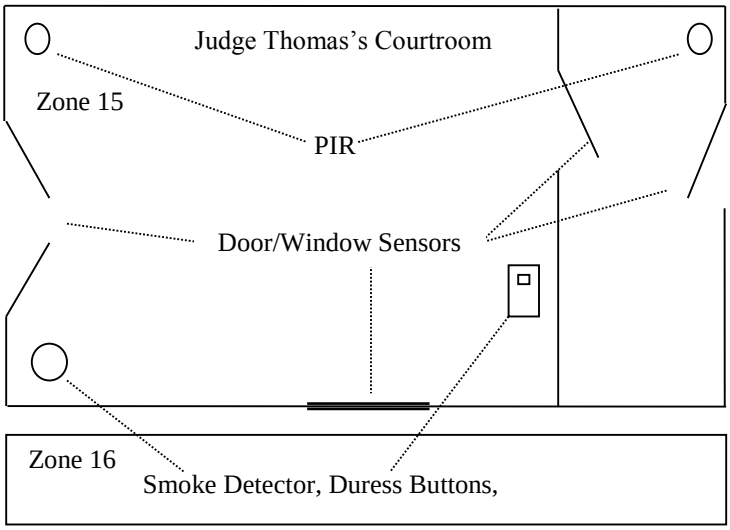
Zone Configuration

Zones are user defined areas or designations that link sensors to a given geographic area or function. Zones are responsible for maintaining the active and inactive times for a specific area. For example, a courtroom within a courthouse can be divided into Zones with an array of sensors as illustrated below. In this example, Zone 15 (PIR Motion Detectors, Door/Window Sensors) can be configured to be inactive during normal business hours (8:00am to 5:00pm) and active after business hours (5:01pm to 7:59am) to monitor security of the courtroom and furnishings. Zone 16 (Smoke Detector, Duress Button) can be configured to be active at all times.



Using the [↑] and [↓] keys, select **>CONFIGURE ZONE** from the Zone Setup Menu and press [**ENTR**].

```
>CONFIGURE ZONE
 DELETE ZONE
```

Zone Setup Menu

The following menu will be displayed:

```
ZONE CONFIGURATION

ZONE (1-16): 0
```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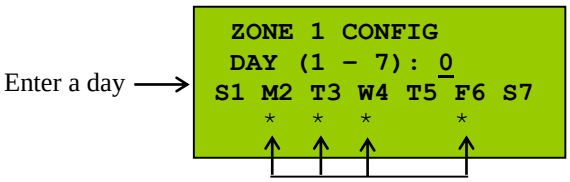
Enter the zone **1 – 16** and press [**ENTR**]. The following menu will be displayed:

```
ZONE 1 ENTRY DELAY

SECONDS: 99
```

Make the appropriate selection in seconds **(0 – 99)** and press [**ENTR**].

The following menu will be displayed:



Days with inactive times Configured

Enter 1 through 7, which corresponds with the day of the week for inactive configuration. Within a 24-hour period, each Zone can be programmed for 1 to 3 scheduled inactive configurations. Inactive times can vary from one minute (00:00 - 00:01) to 23 hours and 59 minutes (00:00 - 23:59). The FROM time must be less than the TO time or an error message will be displayed. Make the appropriate selection and press [**ENTR**] to program your selection. The following menu will be displayed:

```
ZONE INACTIVE TIMES
FROM 00:00 TO 00:00
     00:00    00:00
     00:00    00:00
```

Enter inactive times utilizing 24 hour clock (1:05pm is 13:05). Zone inactive times, will program the Centurion to deactivate sensor(s) configured to a designated Zone. The example below illustrates the Zone is inactive from 12:01am to 7:00am and from 6:01pm to 9:00pm and from 10:30pm to 11:59pm.

Note: Supervisory functions such as Sensor Tamper, Sensor Low Battery and Sensor Missing are monitored during "active" and "inactive" configurations.

```
ZONE INACTIVE TIMES
FROM 00:01 TO 07:00
     18:01    21:00
     22:30    23:59
```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Make the appropriate selections, press [**ENTR**]. The following menu will be displayed:

```
 ZONE 1 CONFIG
 DAY (1 - 7): 2
S1 M2 T3 W4 T5 F6 S7
   *
```

Repeat above Zone Configuration steps to program additional days per week.

To return to the Main Menu screen, press [**SHFT**] then [**ESC**] key twice.

To set the zone to be inactive between two days, (i.e., 11:30pm Monday to 2:00am Tuesday), enter the two zone configuration days for that zone, (i.e., for Monday, enter from: 23:30 to: 23:59; Tuesday enter from: 00:00 to: 02:00).

MONDAY

```
ZONE INACTIVE TIMES
FROM 23:30 TO 23:59
     00:00    00:00
     00:00    00:00
```

TUESDAY

```
ZONE INACTIVE TIMES
FROM 00:00 TO 02:00
     00:00    00:00
     00:00    00:00
```

Delete Zone

The Delete Zone option enables the user to remove a configured Zone. Using the [↑] and [↓] keys, select **>DELETE ZONE** from the Zone Setup Menu and press [**ENTR**].

```
 CONFIGURE ZONE
>DELETE ZONE
```

Zone Setup Menu

The following menu will be displayed:

```
  DELETE ZONE
  ZONE ID: 000
  ARE YOU SURE?
  (NO=0/YES=1) 0
```


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Select the ID number of the Zone to be deleted; press [**TAB**] to tab to the next field. Verify the selection **No=0** (do not delete zone) or **Yes=1** (delete zone). Make the appropriate selection and press [**ENTR**] to program your selection.

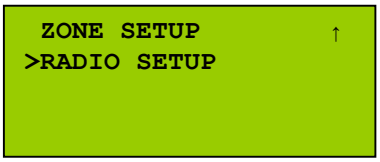
To return to the Main Menu screen, press the [**ESC**] key twice.

» Radio Setup

⚠ The system radio is configured and tested for proper operation during assembly. Only qualified radio technicians should attempt to configure or modify the radio system.

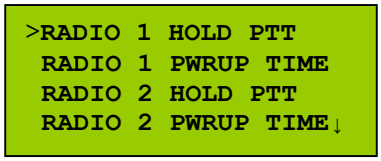
ALWAYS TEST the radio for proper operation after any changes or modifications. Undetected errors in radio configuration may disrupt the ability of your system to broadcast alarms.

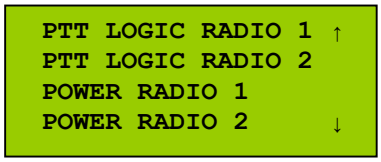
The Radio Setup menu enables the user to configure the system radio(s). Using the [↑] and [↓] keys, select **>RADIO SETUP** from the Centurion Configuration Menu and press [**ENTR**].

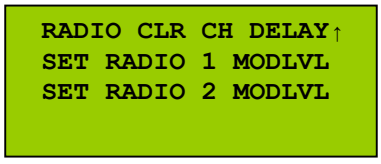


Centurion Configuration Menu

The following menu will be displayed:







Radio Setup Menu

Using the [↑] and [↓] keys, move the **>** character to the desired selection, press [**ENTR**]. Input the appropriate device parameters, press [**ENTR**].

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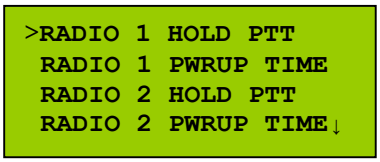
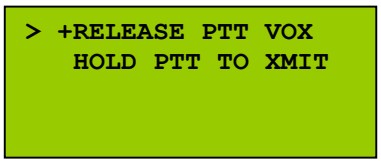
Radio 1 Hold PTT

The Radio 1 Hold PTT menu enables the user to select the applicable push-to-talk function for a designated radio. Using the [↑] and [↓] keys, select **>RADIO 1 HOLD PTT** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:

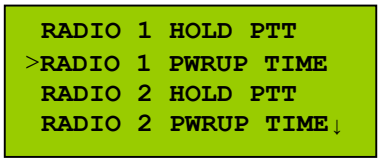


Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

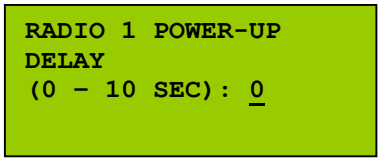
Radio 1 Power-up Time

The Radio 1 Power-up Time menu enables the user to select the time interval (**0 to 10 sec**) to delay the radio transmission (used for timing when integrating designated radio that requires a power-up self check prior to being operational). Using the [↑] and [↓] keys, select **>RADIO 1 PWRUP TIME** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:



Enter the time (**0 to 10 sec**) numerically and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

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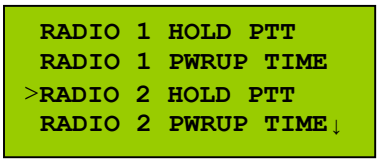
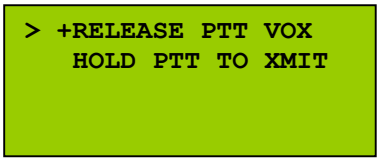
Radio 2 Hold PTT

The Radio 2 Hold PTT menu enables the user to select the applicable push-to-talk function for designated radio. Using the [↑] and [↓] keys, select **>RADIO 2 HOLD PTT** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:

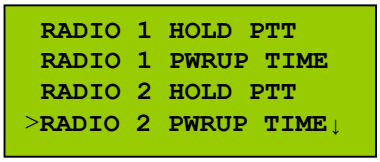


Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

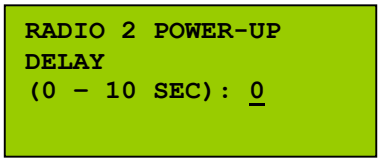
Radio 2 Power-up Time

The Radio 2 Power-up Time menu enables the user to select the time interval (**0 to 10 sec**) to delay the radio transmission (used for timing when integrating designated radio that requires a power-up self check prior to being operational). Using the [↑] and [↓] keys, select **>RADIO 2 PWRUP TIME** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:



Enter the time (**0 to 10 sec**) numerically and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

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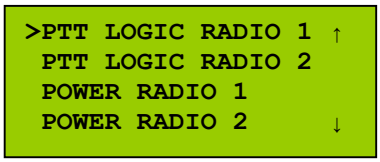
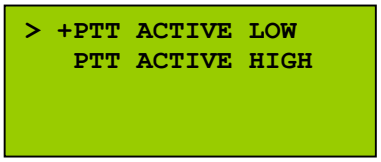
PTT Logic Radio 1

The PTT Logic Radio 1 menu enables the user to select the applicable push to talk function for a designated radio. Using the [↑] and [↓] keys, select **>PTT LOGIC RADIO 1** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:

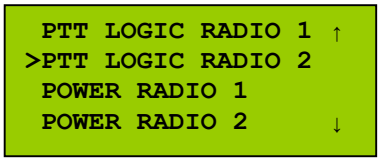


Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

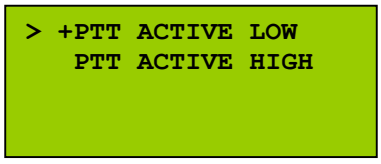
PTT Logic Radio 2

The PTT Logic Radio 2 menu enables the user to select the applicable push to talk function for a designated radio. Using the [↑] and [↓] keys, select **>PTT LOGIC RADIO 2** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:



Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

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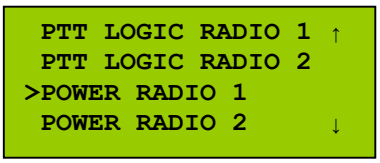
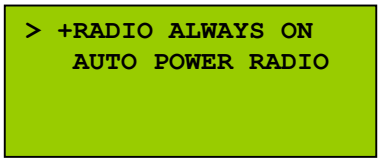
Power Radio 1

The Power Radio 1 menu enables the user to program the Centurion so the radio is powered "ON" continuously. Using the [↑] and [↓] keys, select **>POWER RADIO 1** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

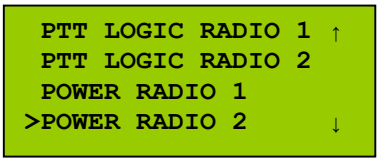
The following menu will be displayed:



Make the appropriate selection and press [**ENTR**] to program your selection.

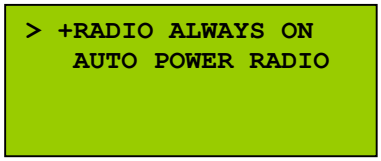
Power Radio 2

The Power Radio 2 menu enables the user to select the applicable push to talk function for a designated radio. Using the [↑] and [↓] keys, select **>POWER RADIO 2** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:



Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key three times.

Note: Radio Always On feature will seriously degrade internal battery backup operating time.

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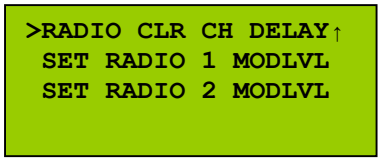
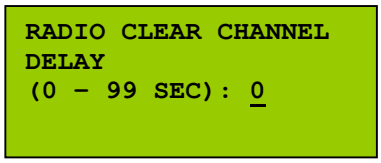
Radio Clear Channel Delay

The Radio Clear Channel Delay menu enables the user to select the time interval (**0 to 99 seconds**) to delay the radio transmission should the radio channel be busy. Using the [↑] and [↓] keys, select **>RADIO CLR CH DELAY** from the Radio Setup Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:

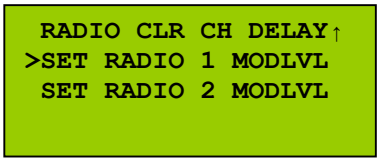


Enter the time (**0 to 99 sec**) numerically and press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

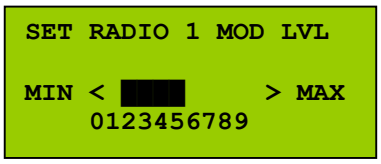
Set Radio 1 Mod Level

The Set Radio 1 Mod Level menu enables the user to set radio 1 mod level (0 to 9). Using the [↑] and [↓] keys, select **>SET RADIO 1 MOD LEVEL** from the Set Radio 1 MOD LVL Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:



Utilizing the [→] and [←] keys on the keypad, set radio 1 mod level to desired selection, press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

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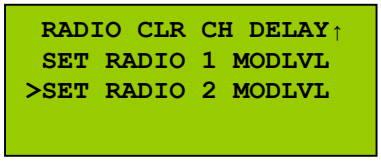
Revised: October 7, 2015

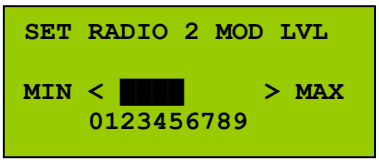
Set Radio 2 Mod Level

The Set Radio 2 Mod Level menu enables the user to set radio 2 mod level (0 to 9). Using the [↑] and [↓] keys, select **>SET RADIO 2 MOD LEVEL** from the Set Radio 2 MOD LVL Menu and press [**ENTR**].



Radio Setup Menu

The following menu will be displayed:



Utilizing the [→] and [←] keys on the keypad, set radio 2 mod level to desired selection, press [**ENTR**].

To return to the Main Menu screen, press the [**ESC**] key twice.

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Revised: October 7, 2015

ALARM HISTORY LOG

⚠ The ALARM HISTORY LOG is updated with important system information, such as missing sensors, sensor tampering, and battery notifications for duress buttons and other sensors (see Alarm log descriptions below). LOG will appear on the System Display (LCD) when the log has been updated.

⚠ REVIEW THE ALARM HISTORY LOG whenever new information is logged. These notifications are NOT transmitted via radio system or other communication interface options.

» Alarm History

Alarm History (Date, Time, Sensor number, Zone ID number and Alarm type) is a log of Centurion system activities. The last 200 events are stored in a circular nonvolatile buffer. When the number of events exceeds 200, the oldest stored events are overwritten.

Alarm log descriptions:

"DArm Usr"	Centurion disarmed by the Main User
"DArm Mfg"	Centurion disarmed by Manufacturing Representative
"DArm Rap"	Centurion disarmed by Rapid Deployment User
"Armed"	Centurion armed
"Zone Vil"	Sensor activated
"Sen RST"	Sensor reset (programmed)
"Sen Tamp"	Sensor tampered
"Sen Batt"	Sensor low battery
"Sen Miss"	Sensor missing
"Sen RTND"	Sensor returned
"ON AC"	Unit operating on AC power
"ON BATT"	Unit operating on internal battery
"Unt BALO"	Unit operating on internal battery - Centurion's battery is low
"Shutdown"	Unit operating on internal battery - Centurion is shutting-down, battery is below minimum operating voltage
"Sys Strt"	Subsequent to a failed start-up sequence, Centurion has been restarted or powered-up
"Rmt User"	Main User logged-in through a remote terminal
"Rmt Mfgr"	Manufacturing Representative logged-in through a remote terminal
"Rmt RapU"	Rapid Deployment User logged in through a remote terminal

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The Alarm History menu enables the user to view or delete Alarm History Log. Using the [↑] and [↓] keys, select **>ALARM HISTORY** from the Main Menu and press [**ENTR**].

```
 CENTURION CONFIG
>ALARM HISTORY
 ARM
 DISARM
```

Main Menu

The following menu will be displayed:

```
>VIEW HISTORY
 DELETE HISTORY
 EMAIL HISTORY
```

Alarm History Menu

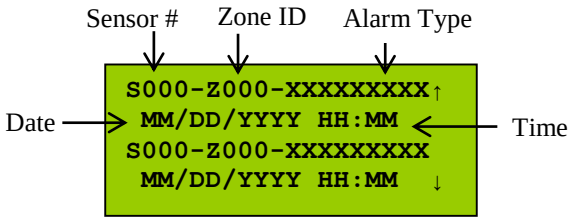
View History

The View History menu enables the user to view logged events (Date, Time, Sensor Number, Zone ID Number and Alarm Type). Using the [↑] and [↓] keys, select **>VIEW HISTORY** from the Alarm History Menu and press [**ENTR**].

```
>VIEW HISTORY
 DELETE HISTORY
 EMAIL HISTORY
```

Alarm History Menu

The following log will be displayed:



The View History log will display the last event received at the top of the page followed by previous alarms stored in date and time order. Press the [**PGDN**], [**PGUP**], or arrow keys to navigate through the menu.

To return to the Main Menu screen, press the [**ESC**] key twice.

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Delete History

The Delete History menu enables the user to delete logged events. Using the [↑] and [↓] keys, select **>DELETE HISTORY** from the Alarm History Menu and press [**ENTR**].

```
 VIEW HISTORY
>DELETE HISTORY
 EMAIL HISTORY
```

Alarm History Menu

The following screen will be displayed.

```
DELETE ALARM HISTORY
 ARE YOU SURE?
(NO=0/YES=1) 1
```

Verify the selection **No=0** (do not delete alarm history) or **Yes=1** (delete alarm history). Make the appropriate selection and press [**ENTR**] to program your selection.

To return to the Main Menu screen, press the [**ESC**] key.

Email History

The Email History menu enables the user to turn on/off email history. Using the [↑] and [↓] keys, select **>EMAIL HISTORY** from the Alarm History Menu and press [**ENTR**].

```
 VIEW HISTORY
 DELETE HISTORY
>EMAIL HISTORY
```

Alarm History Menu

The following screen will be displayed.

```
> +EMAIL HISTORY ON
   EMAIL HISTORY OFF
```

Using the [↑] and [↓] keys, move the > character to the desired selection, press [**ENTR**].

Note: IT personnel responsible for maintaining network must be available for integration.

To return to the Main Menu screen, press the [**ESC**] key twice.

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ARMING & DISARMING

ARMING THE CENTURION

The Centurion is armed and fully functional when **ARM** is displayed in the upper right hand corner of the LCD. Using the [↑] and [↓] keys, select **>ARM** from the Main Menu and press [**ENTR**].

```
 CENTURION CONFIG
 ALARM HISTORY
>ARM
 DISARM
```

Main Menu

The **OPERATIONAL STATUS** screen will display **ARM** in the upper right-hand corner.

```
STOPTECH, LTD.   ARM
CENTURION V0.00
09/20/2005 21:57
#022              AC
```

DISARMING THE CENTURION

⚠ If the system is not ARMED, alarms WILL NOT BE PROCESSED or LOGGED. Duress buttons and other sensors activated while the unit is disarmed will not transmit alarms via the radio system or other communication interface option.

The Centurion is disarmed and not processing alarms when **ARM** is ***not*** displayed in the upper right hand corner of the LCD. Using the [↑] and [↓] keys, select **>DISARM** from the Main Menu and press [**ENTR**].

```
 CENTURION CONFIG
 ALARM HISTORY
 ARM
>DISARM
```

Main Menu

The **OPERATIONAL STATUS** screen will **not** display **ARM** in the upper right-hand corner.

```
 STOPTECH, LTD
 CENTURION V0.00
 09/20/2005 21:57
 #022             AC
```


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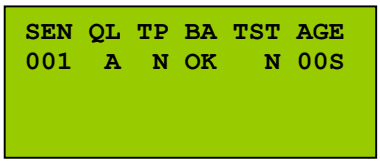
TEST

The Test menu enables the user to test their Centurion system. . Using the [↑] and [↓] keys, select **>TEST** from the Main Menu and press [**ENTR**]. The following menu will be displayed:



Test Screen

While in test mode notification outputs are disabled. When a sensor is triggered or checks in the screen updates accordingly with the table below.

QL – This is the quality of the signal strength A-F (Check in and Trigger)
TP – Tamper activation on a senor (Check in and Trigger)
BA – Sensor battery status (Check in and Trigger)
TST – Y or N indicating if sensor has been tested (Trigger only)
AGE – Time since last sensor check in (Check in and Trigger)

NOTE: All test functions are recorded in the Alarm History Log.

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ZONE DEACTIVATION MENU

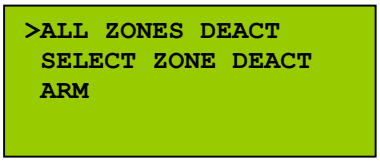
The Zone Deactivation Menu allows the user to quickly deactivate one or more zones of sensors.

Note: Zone 1 cannot be deactivated from the Zone Deactivation Menu. All sensors that should never be deactivated (i.e. Duress Alarms) should be mapped to Zone 1.

With the **Operational Status** screen displayed, enter the numeric Zone Deactivation password that has been assigned to the Centurion, press [**ENTR**]. To locate/change password reference Set Zone Deactivation Password on page 24.

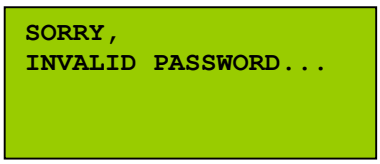
The following screen will be displayed:

Upon entering the correct password, the **ZONE DEACTIVATION MENU** will be displayed:



Zone Deactivation Menu

If an incorrect password is entered, the following screen will be displayed **Sorry, Invalid Password...**:



To Activate/Deactivate all zones, using the [↑] and [↓] keys, select **>ALL ZONES DEACT** from the Zone Deactivation Menu and press [**ENTR**].

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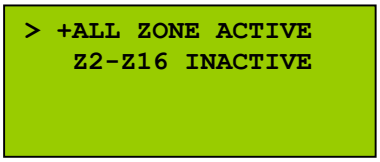
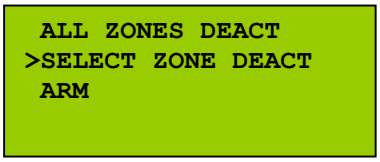
The following screen will be displayed:



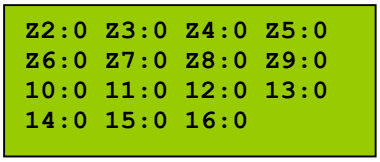
Select the desired option to activate or deactivate all zones.

To Activate/Deactivate all zones, using the [↑]and [↓] keys, select **>SELECT ZONE DEACT** from the Zone Deactivation Menu and press [**ENTR**].



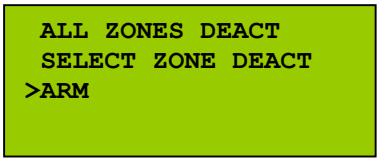
Zone Deactivation Menu

The following screen will be displayed:



Enter a number "1" next to any zone number to deactivate that zone. Enter a number "0" next to any zone number to activate that zone, press [**ENTR**] to return to the Zone Deactivation Menu.

To Arm the system with the desired changes made to inactive zones, using the [↑]and [↓] keys, select **>ARM** from the Zone Deactivation Menu and press [**ENTR**].



Zone Deactivation Menu

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WARRANTY

The Centurion is warranted against defects in material or workmanship for a period of two (2) years from the delivery date. Please reference the Centurion Limited Warranty certificate for complete details.

In order to obtain service under warranty, please contact Response Technologies, Ltd. at 365 Industrial Drive Harrison, Ohio 45030, by telephone at 800 537 0102, or email at support@response-technologies.com.

FCC CERTIFICATION

The Centurion is certified to be incompliance of FCC Electromagnetic Compatibility limits per CFR Title 47, Part 15, Subpart B for a Class B Digital Device.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

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