ZonePod GSM User Manual

SECUR TEMP   WATER
SMOKE HUMID EMPTY

SD3
10:54 23Jul07

Mic

ZONEPOD
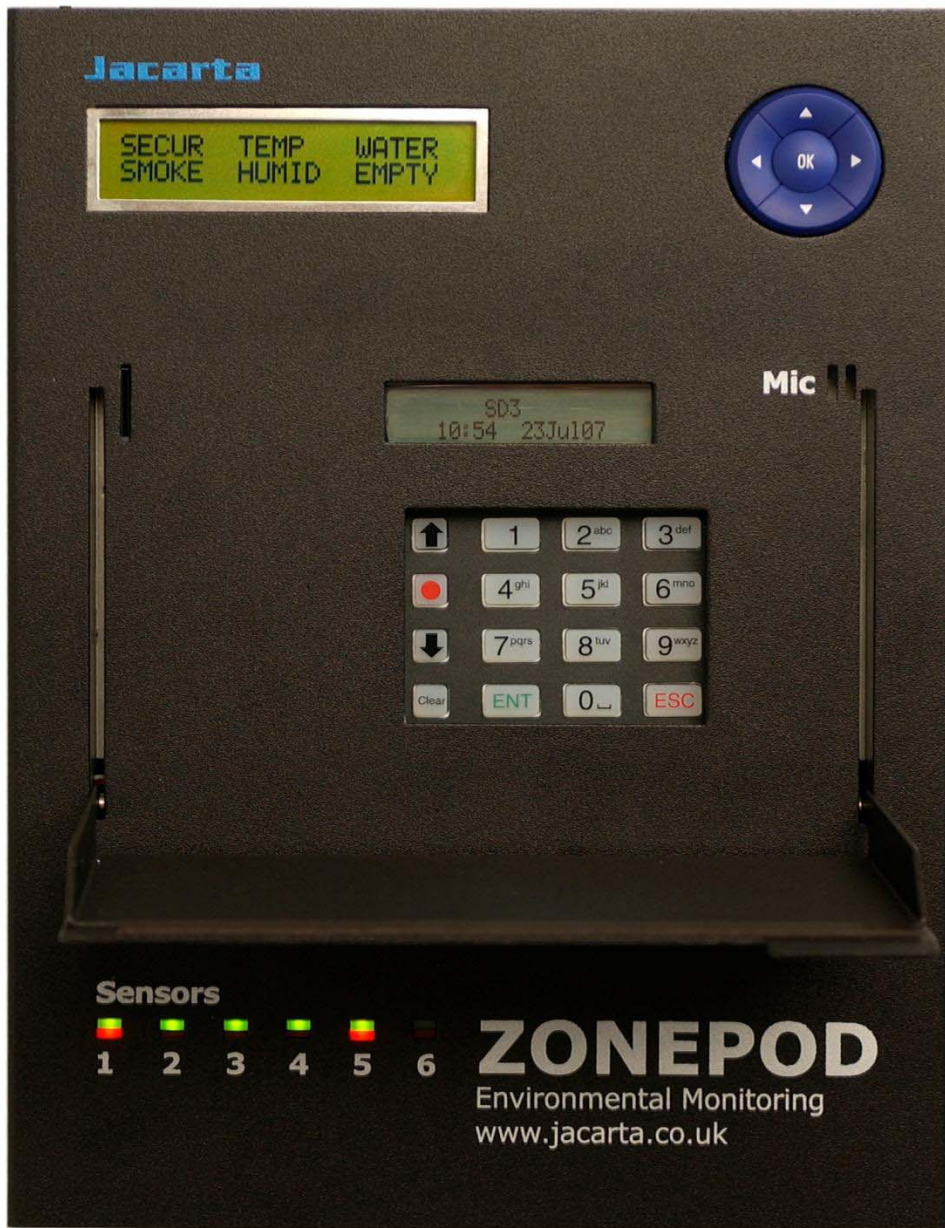Environmental Monitoring
www.jacarta.co.uk

Sensors
1 2 3 4 5 6

v1.0

scanmagnetics.fi

Jacarta GSM ZonePod

Thank you for purchasing the GSM ZonePod Environmental Monitoring device.

Please note the following;

- A SIM Card is required for GSM operation.
- The landline facility will not be available in all countries.
- Please see page 2 for an Installation Guide to this manual.

Copyright

CE Notice

This device complies with the EMC directive of the European Community and meets or exceeds the following technical standard:
- EN 55022:1998 – "Limits and Methods of Measurement of Radio interference Characteristics of information Technology Equipment." This device complies with the CISPR Class B standard.
- EN 55024:1998 –"Electromagnetic compatibility – Generic immunity standard Part1: Residential and light industry."

RoHS

This device is RoHS compliant.

WEEE

In accordance with the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) Jacarta will arrange for the appropriate disposal of the product (at the end of its serviceable life).

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1. Introduction

The ZonePod environmental monitoring system has been designed to offer a comprehensive feature set as shown below.

- Up to six sensors supported for full monitoring from the following range :-
  - ► Temperature,
  - ► Humidity,
  - ► Security
  - ► Voltage,
  - ► Smoke,
  - ► Water Leak Detection,
  - ► Universal.
- Full configuration of sensor alarm thresholds via the easy-to-use menu system
- Six relay outputs activated by the six sensors (see Appendix A for details)
- Six input speech dialler (see Appendix A for input details) for voice and text alerts. The speech dialler provides :-
  - ► Trigger & Restore message for each input (voice and text)
  - ► 10 contacts for configurable messaging
  - ► Built in microphone / speaker
  - ► A common voice and text message for all alarms
  - ► Full logging facility for speech dialler activity
  - ► Listen-in, talkback and remote access modes
- Configurable display (two different modes)

The following documentation will enable you to make the most of these functions. For more information regarding support of the unit, new products, ordering information and all other enquiries, please look for the appropriate contact details in Appendix C.

2. The ZonePod Unit

2.1.Installation Guide

Determine the best location for your ZonePod based on required access, the required location of your ZonePod sensors and telephone connectivity.

Mount the ZonePod unit using the mounting holes provided on the rear of the unit and the base of the unit. The following is an overview of the steps required to get the ZonePod up and running:

(1)   Plug in the **ZonePod sensors** and power up the unit.
(2)   Configure required thresholds for **Temperature**, **Humidity** and **Universal/Dry Contact Sensors** (if installed).
(3)   Record **Alarm messages** and input required detail for **Text messages**.
(4)   Input required **Contact Details** and alarm **Routing Options**.
(5)   Insert a **GSM SIM Card** in to the **ZonePod**.
(6)   Turn off **Dialler Override** to activate the **Dialler**.
(7)   Connect and Configure the **SNMP/Web Adaptor** if supplied.

The relevant information for each of the above steps can be found on the following pages.

(1)   Page(s) 3
(2)   Page(s) 3-8
(3)   Page(s) 11-12
(4)   Page(s) 10, 16
(5)   Page(s) 9
(6)   Page(s) 8
(7)   Page(s) 19

Following the above seven steps will give you a unit that is ready to monitor and alert upon alarms. We recommend that whenever any configuration takes place the dialler override is switched back on to avoid the possibility of false alarms during that process.

▮	**Please note that the landline facility will not work in all countries.**

2.2. The ZonePod connections
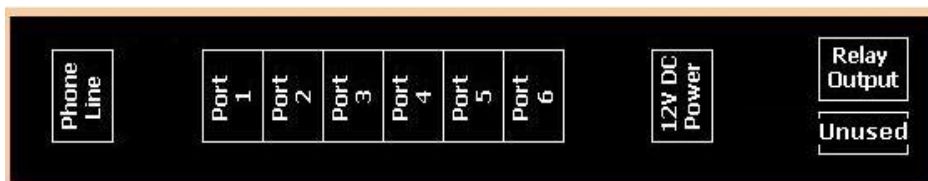
a. Phone Line

This port accepts the 4pin white telephone cable supplied with the unit. Plug the other end of this cable into a spare telephone socket.

b. Ports 1 – 6

These are the six ZonePod sensor ports. Please read the next section: *Installing Sensors* for details regarding the installation and connection of sensors.

c. 12VDC Power

This is the power socket for the ZonePod.

> **Please do not use power adapters other than those supplied with the unit. Doing so will invalidate the warranty for the unit.**

d. Relay Output:

This is the relay output socket for attaching the ZonePod alarms to other devices. More information regarding this connection can be found in *Appendix A: Alarm / Relay configuration.*

> **The final port, labelled "Unused" on the unit, is not for general usage and can therefore be ignored.**

2.3. Installing Sensors

The sensors of the ZonePod can be freely swapped from one port to another or swapped with a different type of sensor whilst the ZonePod is monitoring (see box below). Bearing this in mind a few precautions should be accounted for to avoid false alarms or erroneous readings.

1. The sensor should be installed into its monitoring position before attachment. This will save time and effort should you find the position is unfeasible.
2. Before a sensor is connected to the ZonePod the "Dialler Override" feature should be enabled to avoid the possibility of a false callout.
3. Before the "Dialler Override" feature is enabled thresholds and relay settings for the sensor should be checked. This applies to the dry contact, temperature and humidity sensors mainly as the ZonePod will use factory defaults when these sensors are connected, which may not be suitable for the monitoring application of the sensor.

> **The ZonePod smoke sensor is the only sensor that can't be hot-swapped. To change ports with this sensor requires the ZonePod to be switched off first and powered on with the sensor in the new port.**
>
> **To avoid false alarms when installing sensors, ZonePod will not register alarms on the first scan of the sensor after installation.**

2.4. Recommended Sensor Cables and Lengths

	The recommended cable for ZonePod sensors is CAT5 FTP (Fully-shielded or Foiled).

The maximum recommended length is 25 meters and if extensions are used they should be made from CAT5 FTP cable with shielded RJ45 connectors with the CAT5 shield connected to the RJ45 connector. This length can be extended if the environment is electrically quiet. Shielded couplings should also be used.

The cables should not be routed with other unshielded data cables where high frequency signals (10MHz and above) can induce sufficient noise and where the field strength is above 33dBm (4V/m).

2.5. Using the ZonePod controls

The controls listed in this section allow you to configure thresholds for each sensor, control the way the sensor alarms are treated, change the display configuration and also turn the ZonePod dialler on and off.

The ZonePod controls work as follows:

ZonePod button	effect
▲	Increases value of currently selected item
▼	Decreases value of currently selected item
▶	Select next item (scrolls to next line for bottom items)
◀	Select previous item
OK	Selects item / confirms settings

2.6. The ZonePod menu structure

The ZonePod menus are accessible from the monitoring screen by holding in the select / confirm key for one second. Once the menu selection appears on the display the following menu structure is accessible.

	When using the ZonePod menus monitoring of the sensor ports will cease. The sensors will not be scanned until the menus are exited and you return to the default monitoring screen.
	The default monitoring screen referred to in this section is the first screen that is displayed on the ZonePod display when the unit is switched on, showing information for each of the six sensor ports.

```
       SENSOR STATUS
       <SENSOR SETUP>
```

In the menu system the "<" and ">" characters mark which option is currently selected. Pressing the select / confirm key selects that option.

2.6.1. The "SENSOR STATUS" option

This option, when selected, will return you to the default monitoring screen.

2.6.2. The "SENSOR SETUP" option

This option will move the menu system into the configuration menu for the sensors, which is shown below.

```
PORT SET <DISPLAY>
DIALLER    EXIT
```

2.6.3. The "PORT SET" option

This option runs through the configuration process for sensor ports, allowing you to check and modify the settings for individual ports. The first screen that appears upon selection of this option allows you to select the port to configure (port 1 – 6).

```
SELECT PORT     PORT
TO CONFIGURE     <6>
```

The port number can be changed using the increase / decrease keys and confirmed using the select key. Once the port is selected the following configuration options will apply to the selected port and will be displayed with the current settings, so pressing the select / confirm key immediately will confirm the options as staying the same.

The first port configuration screen to be displayed allows you to change the thresholds for the current sensor. For temperature and humidity sensors this screen allows you to alter the high and low thresholds that form the acceptable temperature and humidity range to be monitored, producing an alarm when the range is exceeded. For all other sensors, the Port Set screen will allow you to set whether the alarm is triggered when the sensor contact is open or closed. Sensors other than the dry contact sensors will be defaulted to a setting appropriate for the type of sensor, though this can be changed should you require the sensor to operate differently.

The following screen displays the default alarm setting screen which is displayed when no sensor is attached. No setting can be made until a sensor is attached.

Port number ⟶
```
PORT 4 Alarm
   EMPTY
```
⟵ **Current alarm settings**

Type of Sensor ⟶
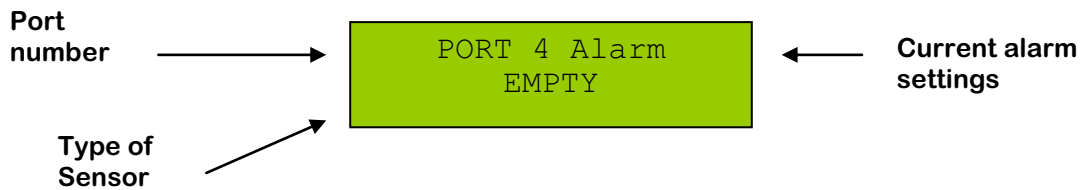
2.6.4. Temperature & Humidity setup screens

When a temperature or humidity sensor is attached to the unit, the following screen will be displayed allowing the user to configure the thresholds.

```
PORT 2 <LOW> HIGH
HUMID   030    075
```

Using the increase / decrease buttons the threshold values of Temperature/humidity can be changed. Use select buttons to change between Low and High thresholds. You can set the temperature / humidity range for normal operation of the sensor. When the reading goes out of this range an alarm will be triggered. To confirm the values set at any time simply press confirm. This will take you to the following screen.

```
PORT 2    Relay
HUMID    HIGH/LOW
```

> ❗ It is important to note that the internal relays control the alarms on the speech dialler as well as the external relay port. See Appendix A to see the plan of how the port alarms interact with the speech dialler.

Using the increase / decrease buttons the behaviour of the internal relay can be altered between "HIGH / LOW" meaning the relay will be active whenever either the high or low threshold is breached. When set to "HIGH" the relay will become active ONLY when the high threshold is breached. Similarly, when set to "LOW" the relay will become active only when the low threshold is breached. If set to "OFF" the relay for this specific port will be switched off. Once you have chosen the appropriate setting press the confirm button.

This will finish the setup process for the port, taking you back to the configuration menu screen.

2.6.5.All other sensors

For all the other sensors (security, power, smoke, water detection and universal) the setup options are slightly different, though the process itself is the same. As with the temperature and humidity sensors, the first screen is the port selection screen.

```
SELECT PORT    PORT
TO CONFIGURE    <6>
```

The first change will be in the next screen, the alarm settings screen, which instead of displaying thresholds displays whether the alarm is active when contacts are open or closed.

```
PORT 1     Alarm
SECUR     CLOSED
```

> **ℹ** The ZonePod, upon detecting the security, water detection, power and smoke sensors, sets this to the most appropriate setting for the type of sensor attached.

Use the increase / decrease keys to change the alarm setting and the confirm button to save your choice. This will then move you on to the relay settings screen.

```
PORT 1     Relay
SECUR      ON
```

When the relay is switched to "ON" the relay will be activated when an alarm condition is detected (the state of the sensor when this happens is dependant on the current alarm setting). When switched to "OFF" the relay will not activate regardless of the sensor state. Press confirm to accept your setting.
This will finish the setup process for the port, taking you back to the configuration menu screen.

2.6.6.The "DISPLAY" option

This menu option allows you to dictate how the six sensors are displayed in the main monitoring screen. If you select this menu option and press select, the following screen will appear.

```
SELECT DISPLAY TYPE
  SENSOR   <STATUS>
```

By default the ZonePod will use the "SENSOR" display mode. This produces a monitoring screen that shows the types of sensor connected to each port. The status of these sensors can be deduced using the front panel LEDS. An example of such a screen is shown below.

```
SECUR   EMPTY   DRY CO
EMPTY   HUMID   EMPTY
```

The sensor ports are listed one to three across the top line, from left to right and four to six along the bottom line from left to right on the Zonepod Monitoring Screen. The following abbreviations are used for the sensor names.

- ► **TEMP** - Temperature
- ► **HUMID** - Humidity
- ► **SMOKE** - Smoke
- ► **SECUR** - Security
- ► **POWER** - Power
- ► **WATER** - Water Leak Detection
- ► **DRY CO** - Universal

If the display type is configured to be "STATUS" then instead of the type of sensor being displayed, the current sensor reading is displayed. The sensors are arranged in the same manner as with the "SENSOR" option (one to three, four to six) though any ports that are not currently hosting a sensor will appear blank (as opposed to the "SENSOR" mode in which the label "EMPTY" will appear.) An example of the display in "STATUS" mode would look like the following.

```
060%    NORMAL
019°C   ALARM   NORMAL
```

2.6.7. The "DIALLER" override option

The dialler override option controls whether or not the ZonePod speech dialler is active or inactive, meaning the ZonePod can be stopped from calling / sending text alarms if required (this is especially useful for stopping false alarms when setting up and testing the unit).

When this option is selected the following screen shall appear.

```
 DIALLER OVERRIDE?
<ON>        OFF
```

Selecting "ON" will activate the dialler override and stop the ZonePod from calling out.

Selecting "OFF" will deactivate the dialler override and the ZonePod will be able to call out / message your contacts when an alarm is detected.

3. The ZonePod Speech Dialler

3.1. Using the speech dialler controls

The following diagram outlines the layout of the ZonePod speech dialler.
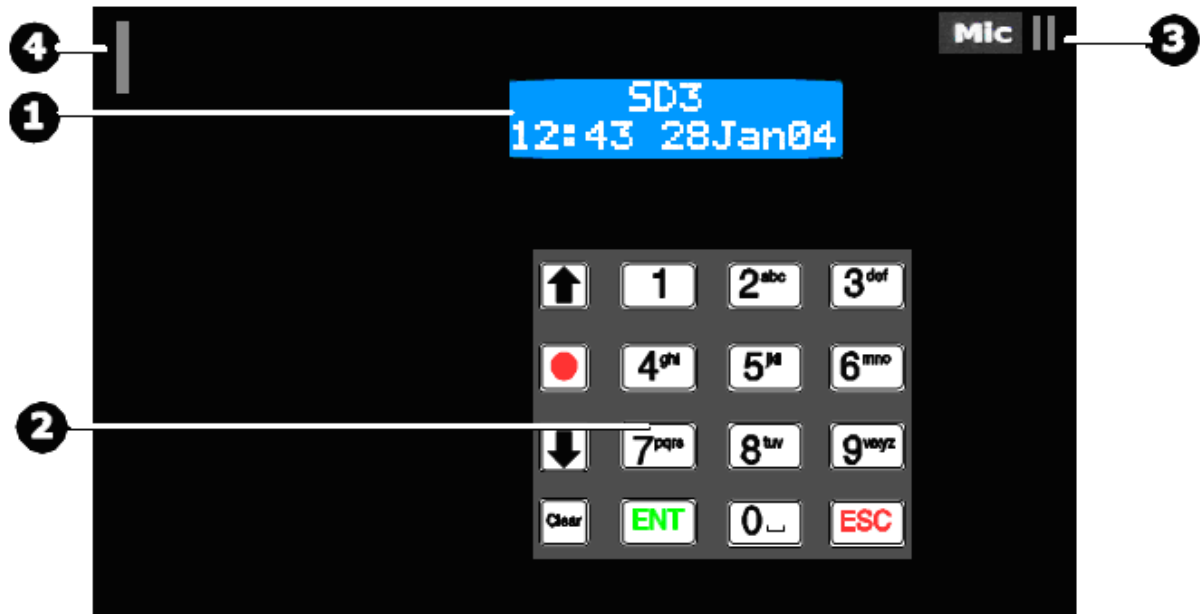
KEY:
1. Two – tone backlit LCD display
2. Keyboard
3. MIC grill
4. SIM card slot

The following are the main function keys that are used in the operation of the speech dialler.

Scroll up

Record / special character key

Scroll down

Clear display

Enter/Play

Escape

3.2. GSM Communication

With the ZonePod powered off, insert your SIM card (angled corner first) into the ZonePod on the upper left hand side of the dialler display, as per the above diagram. Once the SIM is inserted, power on the ZonePod.

An attached external aerial is provided to give better signal strength, please position the aerial as needed. The signal strength can be checked within the dialler menu (the default password is 1234) as follows:

Test Options (0) → GSM Phone Utils (6) → Signal Strength (2)

3.3.Speech Dialler function list

By default the ZonePod speech dialler resides in standby mode displaying a screen similar to the following.

```
            SD3
     08:31   28Jan04
```
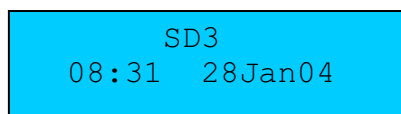
In order to activate the speech dialler the operator's passcode must be entered. By default this is set to "1234", though if an alternative was specified for pre-configuration this will be the programmed passcode.

Once the passcode has been entered the speech dialler menu will appear (see screen below), providing access to all elements of the ZonePod speech dialler functionality. The following menu structure is applicable.

Use the scroll up / down keys to scroll through the menu options and "ENT" to select the currently displayed option.

```
    ↑↓ ENT to Select
    Contact Details
```

	To Reset the Speech Dialler pass code please turn the Zonepod off, press and hold the 9 key whilst powering the unit on. An option will be displayed on the Speech diallers LCD screen, if you want to reset the unit to factory default please press enter. Please note this will not only reset the passcode but the whole unit will be reset to factory default.

3.4.Speech Dialler functions

3.4.1.Contact Details

Up to ten contacts can be programmed into the speech dialler. Each contact space is either a voice contact or a text contact. The following steps describe entering and changing contact details.

1.   Select "Contact Details" from the main menu.
2.   Scroll to the contact space you wish to enter / change the details of using the scroll keys. Press "ENT" to select the contact space.
3.   The contact name should now be editable, please use the text editing keys (see Appendix B) to edit the contact   name and press "ENT" to confirm.
4.   The telephone number entry screen will now appear. Use the text editing keys to edit the contact telephone number   and press "ENT" to confirm.

|	**Please make sure you have permission to use the contact number entered for messaging purposes from the person who runs the line / will receive the messages.**

5.   The message type selection screen will now appear. Use the scroll buttons to select between "VOICE" messaging   for the contact and "TEXT" messaging. Press "ENT" to confirm you selection.

3.4.2. Messages

There are two types of messages, voice and text. The message sent upon an alarm / restoration of an alarm depends on the type of messaging that is selected for the individual contact (see point 1. Contact Details earlier in this section).

a. Voice message

When the "Voice Message" menu option is selected the screen will appear as follows.

```
Voice Alarm A
▶=Play,●=Record
```
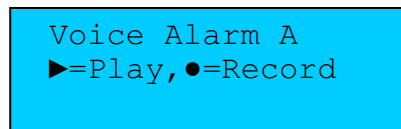
The following messages can be recorded into the ZonePod speech dialler.

<div align="center">

Voice Alarm A
Voice Alarm B
Voice Alarm C
Voice Alarm D
Voice Alarm E
Voice Alarm F
Voice Restore A
Voice Restore B
Voice Restore C
Voice Restore D
Voice Restore E
Voice Restore F
Voice Site

</div>

Each message can be up to fifteen seconds in length in normal play mode (30 seconds if the long play option is selected, see page 14 'Record options'). Alarm messages are used as the message received for a particular alarm. Restore messages are used as the message when that alarm has been restored to its original state (this must be specifically enabled). The site message is a common message played for every callout.

ℹ	It is recommended that the alarm message indicates the form of acknowledgement required from the recipient (i.e. "Please press 8 on your telephone to acknowledge this message.")

To select which message is going to be recorded use the scroll buttons. To start recording the message use the red record button. The screen will change to appear as follows.

```
Record Alarm A
SPEAK NOW...01s
```
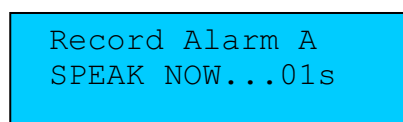
Whilst recording your message have your mouth roughly six inches from the front of the dialler face and speak clearly.

When you have finished recording your message press the red record button, which will return you to the previous screen. To play back the message, press the "ENT" key. To clear the message, press the "Clear" key.

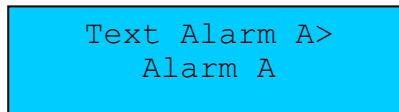To re-record the message, go through the same process again. The previously recorded message will be automatically cleared.

b. Text message

When the "Text Message" option is selected from the "Messages" menu the following screen will appear.

```
Text Alarm A>
   Alarm A
```

The text messages work in the same fashion as the voice messages. There are four alarm messages (A, B, C and D) and four restore messages (A, B, C and D) as well as a common site message.

Using the scroll buttons will run through the messages and pressing "ENT" will allow you to edit the message itself. To edit the message use the text editing keys as described in Appendix B. Pressing "ENT" again will save the message whilst pressing "ESC" will return to the previous screen without saving the message.

3.4.3. System Options

Each of the system options is explained below. To change the values of the option use the scroll keys. To confirm the selection press "ENT" or press "ESC" to abandon the changes and return to the menu.

3.4.3.1. Trigger Polarity

This can be used to invert the alarm signals triggering the alarm messages. By default this option is set to *negative*.

!	**Please do not change the value of this option as it will cause the ZonePod to behave erratically.**

3.4.3.2. Remote Options

a. Remote Access

If switched to on this option allows users to remotely access the unit. Before this can be achieved the remote passcode must be set first (see page 14-15).

The remote access option allows a user to either dial into the ZonePod to access a remote menu (the behaviour when doing this is affected by the status of the *Rings to Answer* option and the *1 Ring Answer* option in the system options menu) or access the remote menu when receiving an alarm call (this can be achieved by pressing the star key on your telephone during the call and before the alarm is acknowledged).

When the remote option is activated there will be a series of high pitched beeps after which you must enter the remote access passcode. There will then be an acceptance tone and the menu below can be accessed.

Function	Key Sequence
Listen – in / Talkback mode	[*] [3] to select and [3] to toggle
Play voice messages 1 – 8	[4] followed by [1] – [8]
Record voice messages 1 – 8	[*] [4] followed by [1] – [8]
Play back memo	[0]

Record memo	[*] [0]
Stop recording / playback	[0]
Quit remote access and hang up	[#]

The listen-in and talkback options allow you to communicate with the site directly through the handset and vice-versa through the ZonePod.

Initially, listen-in mode is activated, so you will be able to hear the ZonePod site. Pressing 3 on your phone will allow you to talk to the site instead. To exit talkback mode, press 0.

The mode can also be switched from the ZonePod by pressing the "ENT" key on the speech dialler.

b. Rings to answer

This option allows you to set the number of rings that occur before the ZonePod answers the phone for remote access (assuming that it is enabled, otherwise this option has no effect). The valid range is between *never* (which will disable remote access) and 20 rings.

By default this option is set to 10 rings.

c. One Ring Answer

If this option is switched *ON* the answer defeat feature is enabled. This means that to obtain remote access to the ZonePod, the user must dial the number, then wait whilst the line rings two or three times (though not more than the number of rings set in *Rings to Answer*.)

The user must then hang the phone up and redial within sixty seconds, if achieved the ZonePod will pick up first time.

If this option is *OFF* (default) the ZonePod will answer any incoming calls after the number of rings specified in *Rings to Answer*.

3.4.3.3. SMS Options

a. SMS Call Number (for Landline use only)

This option allows you to change the service number used for sending SMS messages from the ZonePod. By default the O2 SMS centre is used.

Service Provider	Telephone Number	Protocol (see next section)
O2 – UK	+44 (0) 7860 980 480	8, N, 1
One2One – UK	+44 (0) 7958 879 889	7, E, 1
Vodafone – UK	+44 (0) 7785 499 993	8, N, 1

b. SMS Format

This allows you to switch communication modes when using the SMS service centre. Check with the service centre being used for the correct setting (the settings for the previously listed centres are in the protocol column).

By default this is set to 8, N, 1 for communication with the O2 SMS centre.

c. SMS Protocol

This option allows you to configure which messaging protocol to use when messaging through a SMS message centre. The available options are TAP and UCP.

d. SD2 Tel. Number

This allows you to change the number from which the SD2 appears to have sent the message. This change will appear in the SMS message, and not affect the actual messaging method.

3.4.3.4. Display Options

a. Flash on Message

If this is set to *ON* (default) and a message is waiting then the display backlight will flash on and off.

b. Beep on Message

If this is set to *ON* and a message is waiting then the ZonePod will beep every minute.

The default for this option is *OFF*.

c. Temp Display

If switched *ON* the speech dialler display on the ZonePod will show the internal temperature of the unit.

The default for this option is *OFF.*

d. Line Fault

If switched *ON* the ZonePod speech dialler will display "LINE FAULT" when a line fault is detected, whilst producing an audible tone every 60 seconds.

By default this is switched *OFF*. It should be noted that regardless of this setting all line faults are logged by the ZonePod.

3.4.3.5. Temperature

a. Temperature High

This allows you to set the high threshold for the ZonePod internal temperature sensor. Range is 0 – 50°c. Default is 40°c.

b. Temperature Low

This allows you to set the low threshold for the ZonePod internal temperature sensor. Range is 0 – 50°c. Default is 5°c.

3.4.3.6. Record Options

a. Long Play

If switched *ON* this option doubles the available message length for voice messages and memo's, though the quality is reduced.

By default this option is set to *OFF.*

b. Auto Record

If set to **'ON'** the ZonePod will record a 30 second message whenever an alarm is set off. This can then be listened to as a memo locally or using the remote access feature.

The default for this option is **'OFF'**.

3.4.3.7. Report Options

a. Auto Reporting

If this option is set to *ON* the ZonePod will send the site message to all contacts enabled in the auto-report routing table (see page 15-16) at the time specified in the *Report Time* option (see below) every day. The message does not require acknowledgement from the recipient.

By default this is set to *OFF*.

b. Report Time

Use this option to set the hour at which the *Auto-Report* messages (see above) will be sent. The hour can be set using the scroll keys.

The default value for this option is 12:00.

3.4.3.8.Line Priority

Within the Line Priority menu there are 4 options;
1. PSTN Only
2. GSM Only
3. PSTN First
4. GSM First

For added peace of mind select either 'PSTN First' or 'GSM First' as this will always use the selected method unless there is a fault, when the secondary method will be used.

☗	**Setting the dialler to PSTN First means that all voice calls and SMS messages will be sent out via the PSTN line unless there is a fault. In that situation, any voice calls and SMS messages are then sent via the GSM connection.**
☗	**If you require a leading digit to get an external line (e.g. 9) to make voice calls via the PSTN line then please note that there is no way for the GSM dialler to know to drop the leading digit when using GSM communication. SMS messages will not be affected.**
☗	**If the PSTN line is disconnected there is a delay of around 30 seconds before the dialler switches over to GSM.**

3.4.4.Access Codes

a. Edit User Code

When this option is selected the following screen appears.

```
New User Code?
█***
```
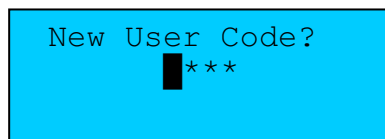
Type the new operator code for the ZonePod speech dialler and press "ENT". This will be the code that you will have to type in order to access the menu locally from the main screen.

b. Edit Remote Code

☗	**The remote access option will not work until this code has been set.**

When this option is selected the following screen appears.

```
New Remote Code?
█***
```

Type the new remote access code for the ZonePod speech dialler and press "ENT". This will be the required code to dial into the unit remotely / access the unit during alarm calls.

3.4.5.Ack & Abort

a. Abort Options

Select the Abort Options option using the "ENT" key. Using the scroll keys you can now select the method by which the alarm process can be aborted if required. The following abort methods are available.

Abort Method	Description
None (Default)	The alarm process cannot be aborted without being acknowledged from a call receiver.
Passcode Only	Enter the operators passcode to abort the alarm.
Code or Restore	Enter the passcode or return the condition of the sensor to within normal limits to abort the alarm.
Restore Only	Return the sensor to within normal limits to cancel the alarm.

b. Clear By Options

When the ZonePod calls a contact, the recipient must press the number 8 on their telephone to acknowledge the alarm. What happens after a call has been acknowledged by a contact depends on the status of this option. See the following:

Clear By Options	Description
Anyone (Default)	If a call is acknowledged by the receiver the alarm process finishes.
No One	The ZonePod will contact all contacts regardless of call acknowledgement.

3.4.6. Call Routing

The purpose of this menu is to allow you to route messages only to the contacts you specify. Press "ENT" to confirm changes made and "ESC" to go back without confirmation from these screens.

a. Trigger Alarm

This menu option allows you to route the alarm messages A, B, C, D, E and F to specific contacts. When selected the following screen will appear.

```
Route A Alarm
To 1234567890
```

Using the scroll keys you can switch between selecting contacts for alarms A, B, C, D, E and F. The numbers correspond to individual contacts 1 – 10 (0 represents the tenth contact). By default alarm messages are routed to all contacts. To switch off a contact press the corresponding number for the contact (for example 4 would toggle contact number four). The number will be replaced by a star to indicate the alarm will not be routed to the contact.

b. Trigger Restore

> **Restore messages are not routed to contacts by default and therefore no restore messages will be sent until selected here.**

This menu option allows you to route the restore messages A, B, C, D, E and F to the individual contacts 1 – 10. By default no contacts are selected for routing messages so the screen will appear as follows.

```
     Route A Restore
     To *********
```

Use the scroll keys to bring up A, B, C, D, E and F routing options and keys 1 – 0 for toggling whether the contacts receive the message.

c. Auto – Report

By default the auto report message is only routed to contact number one. The screen will appear as shown below.

```
     Route Auto Rep.
     To 1*********
```

Use the keys 1 – 0 to toggle whether or not the contacts 1 – 10 receive the automatic report.

3.4.7. Date & Time

This menu option is used to set the ZonePod date and time. Press "ENT" and the screen will change to show the following.

```
     Enter New Date
     > █8/01/04
```

Enter the new date in the format DD/MM/YY and press "ENT" to confirm or "ESC" to abandon the changes and return to the main menu. If confirmed the time change screen will appear.

```
     Enter New Time
     > █1:34
```

Enter the new time in the 24-hour format HH:MM and press "ENT" to confirm the change or "ESC" to abandon the date and time changes and return to the main menu. If confirmed the changes will be saved and you will return to the main menu.

3.4.8. View Log

Selecting this option from the main menu displays the ZonePod dialler log from the most recent entry (labelled as 000) to the oldest entry available from the 128 available events (the oldest events are automatically deleted to make way for new events).

To scroll through the events use the scroll buttons. To clear the event log press "Clear" and then either the "ENT" (clears log) or "ESC" (aborts clearing) button at the prompt. By pressing "ESC" whilst viewing the log returns you to the main menu.

The following log events are available. Where <TIME> and <DATE> is present the time and date stamp for the event will be displayed. Where "Contact n" is shown the log event will display the currently programmed name for that contact.

Display	Description
Trig 1 to 4 > Contact n <TIME> <DATE>	Alarm A to D (corresponds to 1 to 4) message has been sent to "Contact n".
Rstr 1 to 4 > Contact n <TIME> <DATE>	Log of Alarm A to D returning to the non-alarm state, where a message has been sent to "Contact n".
Ack > Contact n <TIME> <DATE>	An acknowledgement was received from "Contact n".
User Abort <TIME> <DATE>	Alarm aborted from dialler.
Time Changed: <TIME> <DATE>	ZonePod time was changed.
Date Changed: <TIME> <DATE>	ZonePod date was changed.
Line Fault <TIME> <DATE>	Telephone line has not been detected for at least 40 seconds prior to this log event.
Line Restored <TIME> <DATE>	Telephone line connectivity has been restored.
Remote Access <TIME> <DATE>	Remote Access was initiated.
Memo Left <TIME> <DATE>	A memo was recorded.
Memo Cleared <TIME> <DATE>	The memo was cleared.

3.4.9. Test Options

This menu option allows you to test certain aspects of the ZonePod speech dialler without the need to set of genuine alarms.

a. Test Messages

Using this option you can test alarm and restore messages to each of the ten contacts (the method of testing is down to the method of communication set up for the contact).

Use the scroll buttons to select the message to test (alarm A, B, C or D or restore message A, B, C or D). Select the contact to test the message on by entering the contact number (use buttons 1 – 0 for contacts 1 – 10). When finished selecting please press "ENT" to test the messaging.

The voice messages can be acknowledged using the number "8" on the receiver's handset.

b. Test Triggers

This allows you to check that the sensors correctly activate the correct alarm message. By sending a sensor into its alarm state the relevant trigger (A, B, C or D) will be activated.

If the dialler override (see page 8) is activated on the ZonePod this facility will not work. Also, if a particular sensor port has its relay switched off (see pages 7) it will not trigger the alarm.

Press "ESC" to return to the test menu.

c. Test Line

This will test the telephone line that is currently connected and display the status on the screen.

d. Test Power Supply

This will test the power supply for the ZonePod and display the voltage. This voltage should be around 12 volts.

e. Software Version

Displays the current software revision for the ZonePod speech dialler.

4. The ZonePod SNMP/Web Adaptor (Optional)

The ZonePod's SNMP/Web adaptor can be connected to the network to provide ZonePod alarm status information via your browser interface and SNMP. This is an optional addition.

Email alerts can be sent in the event of alarm status changes.

4.1. Cable connections

Connect the DB15 connector to the ZonePod relay port and the 2 RJ45 connectors to the sensor ports 1 and 2.

4.2. Configuration

To configure the ZonePod's SNMP/Web adaptor on the network connect to it via your browser using 192.168.0.100 to access the configuration menu.

You can change the description at any time by clicking on the sensor name.
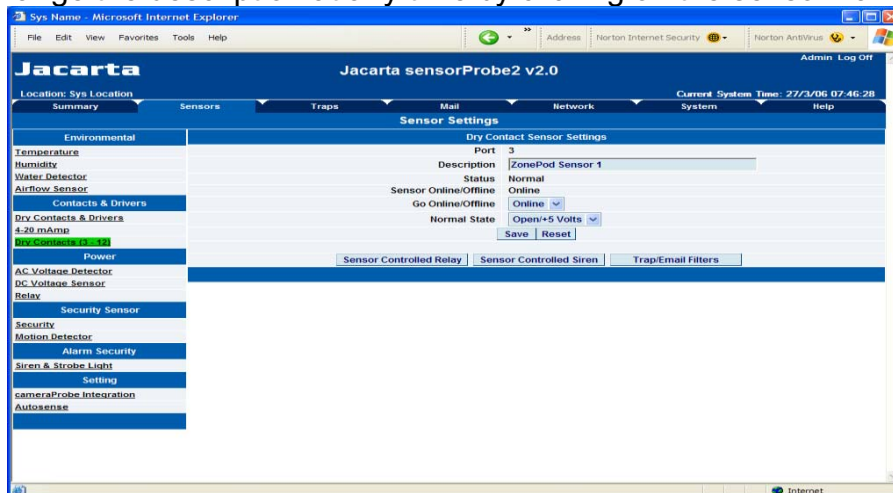
a. Mail

To receive Email alerts configure the mail settings in the Mail menu tab.

b. Network

The default IP address of the unit is 192.168.0.100, this can be changed via the Network menu tab and if required the unit can be set to use DHCP.

5. ZONEPOD SENSORS INSTALLATION INSTRUCTIONS

ZonePod sensors are automatically detected after approx. 6 seconds following connection to the sensor ports on the bottom of the unit. A green LED will illuminate and the appropriate sensor description will appear on the ZonePod display.

5.1. TEMPERATURE/HUMIDITY

Connect the temperature or humidity sensor to one of the RJ45 sensor ports on the bottom of the ZonePod. Configuration of high and low thresholds can be carried out via the ZonePod menu buttons.

5.2. WATER

Connect the water sensor to one of the RJ45 sensor ports on the bottom of the ZonePod. Please follow these instructions to install the water leak detection system:

Lay out the sensor cable in its intended location, taking care to keep it free from oil and grease and away from metal surfaces.

Fix down the self-adhesive clip which fits around the junction between the leak sensor cable and the plastic coated interconnecting flex.

Attach the alarm module to the chosen surface using the self-adhesive hook and loop tape strip. If required, fix the sensor cable using the cable clips. Please take care not to damage the sensor cable when fixing the clips. DO NOT CUT OFF ANY SURPLUS CABLE. When fixing cable clips, wear eye protection as hardened steel nails can fracture when hit.

To test the unit, drip a small quantity of water onto the sensor cable. The red sensor port LED on the ZonePod alarm illuminate after a few seconds. When the cable has dried out completely, the LED will revert to green.

5.3. SMOKE

Remove the power to the ZonePod and connect the smoke detector cable to one of the sensor ports on the bottom of the unit. The sensor can be tested once the ZonePod has been switched back on by pressing the TEST button for a few seconds.

5.4. VOLTAGE

Connect the interface cable to one of the sensor ports on the bottom of the ZonePod and the voltage detector. Connect the mains power lead between the voltage detector and the power supply that you wish to monitor. The voltage detector will provide an alarm when the mains power is removed from the supply being monitored.

5.5. SECURITY

Locate the alarm contacts in their intended location. The sensor will provide an alarm when the contacts are in the open position. Connect the security sensor interface cable to one of the RJ45 sensor ports on the bottom of the ZonePod.

5.6. DRY CONTACT CABLE

Connect the cable to the device that you wish to monitor and one of the RJ45 ports on the bottom of the ZonePod. Configuration of your preferred monitoring mode (normally open or normally closed) can be carried out via the ZonePod browser interface (default is Normally Open).

⚠	**Disclaimer: The ZonePod and its sensors are only intended to be used to monitor environments for unusual conditions, and should only be used for that purpose. The ZonePod has not been designed as a human safety device and must not be used for that purpose.**

6. Appendix A: Sensor / Alarm configuration

The six sensor ports on the ZonePod interact with the alarm / restore messages in the following manner.

> ►**The sensor in sensor port 1 activates alarm / restore message A**
> ►**The sensor in sensor port 2 activates alarm / restore message B**
> ►**The sensor in sensor port 3 activates alarm / restore message C**
> ►**The sensor in sensor port 4 activates alarm / restore message D**
> ►**The sensor in sensor port 5 activates alarm / restore message E**
> ►**The sensor in sensor port 6 activates alarm / restore message F**

Using the relay settings for the sensor ports (see pages 6–7) individual sensor ports can be restricted from activating the alarm / restore messages.

Using the dialler override (see page 8) all sensor ports can be restricted from activating alarm / restore messages.

The relay output port on the ZonePod can be used to connect to Jacarta's SNMP/Web adapter or alarm beacon/sounder.

7. Appendix B: Text Editing Keys

The following table shows the character mappings for entering text into the ZonePod speech dialler. Entering text works on a similar basis to entering text on a mobile phone, in that you have to press a key an appropriate number of times to get the character required.
The cursor will automatically advance after a moment if you require two characters from the same key in succession.

Key	Character									
1	.	,	?	!	1	@	"	-	&	'
2	a	b	c	2	A	B	C			
3	d	e	f	3	D	E	F			
4	g	h	i	4	G	H	I			
5	j	k	l	5	J	K	L			
6	m	n	o	6	M	N	O			
7	p	q	r	s	7	P	Q	R	S	
8	t	u	v	8	T	U	V			
9	w	x	y	z	9	W	X	Y	Z	
0		0	,	#	*					

Scroll buttons can be used to move cursor left / right.
Clear deletes a character at the cursor position.
ENT will confirm the text entry.

When entering telephone numbers the ● button can be used to insert a star, hash or pause (for internal exchanges) into the telephone number.

8. Appendix C: Company Information

For more information regarding Jacarta products, services and the ZonePod please contact us using the following details.

Address
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