

 EZY SWITCH

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EZY GUARD Alarm System Monitor Installation Manual

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System



SIM Card

Signal LED:

If the LED flashes once every 1 second, this indicates the cellular network cannot be found (out of 3G coverage range). Remedy = Re-locate the device or use a longer aerial or signal booster.

If the LED flashes once every 3 seconds, this indicates the cellular network has been found (all ok).

!! IMPORTANT !!**Setting up system for the first time:**

Please ensure the SIM card does NOT have a PIN number or is locked has been ACTIVATED with the network provider, insert into SIM slot on the back (see page 4) and power the unit up.

You must wait for the LED to be slowing flashing (EVERY 3 seconds) before sending any commands. Please wait a few minutes, as the unit will set auto-band and other details for the country.

IMPORTANT:

For all text commands, spelling and spaces must be strictly followed.

Setting up the first user (Once only command)**Command: Set user**

Note: the unit will pick up the users number from the incoming text.

When the Initial user setup has been successful the system responds with:

“ Your number has just been added to the user list”

Note: The initial user could be the installer who would set the system up, add other users (Add user page 8) and then remove his number (Remove user page 6).

Country Code:

?? Is the country code and XXXXXXXX is the mobile number without the preceding 0.

Examples:

New Zealand = 64 (+64 and the number without the preceding 0)

If the users number is 0211893070 then Command = add user +64211893070

Australia = 61 (+61 and the number without the preceding 0)

If the users number is 0412882900 then Command = add user +61412882900

Singapore =0065 (+65 and the number without the preceding 0)

If the users number is 0412882900 then Command = add user +65412882900

USA & Canada = 001 (+1 and the Area Code & Number)

If the users number is 412-555-1234 then Command = add user +14125551234

!! NOTE !!

If a user sends a text message to the system, which is not an exact match with the commands, the system responds with:

Sorry either that device does not exist or the message format is not understood, please check the spelling and try again

If anyone other than a programmed user sends a text message to the system, the system responds with:

Sorry you are not permitted to access this device

Commands

Adding a User (Note: Setting up the first user page 4 must be done first)

Command: Add user +??XXXXXXXX (see Country Code page 4)

If the user is already in the list, the system responds with:

Sorry +??XXXXXXXX is already active and cannot be added twice, please check the number and try again

If the number does not fit the checks, to confirm it is a valid number (all digits must be numbers excluding the leading +), the system responds with:

+??XXXXXXXX does not appear to be a valid number, please check that there are no letters or symbols in the number and try again

If the number does not lead with a +, the system responds with:

??XXXXXXXX does not appear to have the country code in international format (e.g. +??...) please check this and try again

However if everything is fine, the system responds with:

The user number +??XXXXXXXX has been added to the user list

Removing a User

Command: Remove user +??XXXXXXXX (see Country Code page 4)

If you try to remove the only user, the system responds with:

Cannot delete the only user.

If the number sent is not currently on the list, the system responds with:

+??XXXXXXXX is not currently on the user list so cannot be removed, please check the number and try again

If everything is ok, the system responds with:

The user number +??XXXXXXXX has been removed from the user list

Adding a Administrator

Command: Add admin +??XXXXXXXX (see Country Code page 4)

The system responds with:

The number +??XXXXXXXXXXXX has been set as the system administrator

If the admin has already been set, the system responds with:

The administrator number +??XXXXXXXXXXXX has already been set

If an administrator number is set then this is the only number the system will accept commands from. Other user will be sent ALARM texts but CAN NOT send any commands like Reset alarm.

Removing a Administrator

Command: Remove admin

The system responds with:

The administrator number and feature has been removed

Note: this completely removes the administrator from the user list, it does NOT move the user down a security level to normal "user" unless the administrator is the only number in the system in which case it will move the user from administrator to user.

The system responds with: **This number has been changed from administrator to a user**

Get a list of all the Users

Command: User list

The system responds with:

User list is: +??XXXXXXXX +??XXXXXXXX ... (up to 5 numbers)

If there are too many numbers to display in one txt, a second txt will be sent showing the last two numbers

First text followed by:

+??XXXXXXXX +??XXXXXXXX +??XXXXXXXX ...

Turn alarm OFF

Command: Alarm off

The system responds with: **The alarm has been disabled**

Turn Alarm ON

Command: Alarn on

The system responds with: **The alarm has been enabled and begin to be monitored**

Reset Alarm

Command: Reset alarm

The system responds with:

The alarm has been reset and will begin to be monitored again

Turn Siren/Light On or Off

Command: Turn siren on (this will turn the siren on)

Command: Turn siren off (this will turn the siren off)

The system will respond

ALARM Tick Off Feature.

The alarm can have a Tick-Off feature, if this feature is turned on and the alarm has been triggered the unit will send a reminder text every 5 minutes until the text command Tick off alarm is sent. (max number of texts=100)

To turn the feature on:

Command: Turn tickoff on

If everything is fine, the system responds with: **The alarm tickoff feature has been turned on**

To turn the feature off:

Command: Turn tickoff off

If everything is fine, the system responds with: **The alarm tickoff feature has been turned off**

To Tickoff the alarm

Command: Tickoff alarm

If everything is fine, the system responds with:

The alarm has been ticked off and no further texts will be sent

Set Battery Alarm Trigger Voltage

Command: Change battery alarm to XX.X

Where XX.X can be between 8 and 30 volts

The system responds with:

The low voltage alarm has been set to XX.X volts and the alarm has been reset

This system monitors the battery by calculating the average value of the supplied voltage over the previous 1 minute period. Once this average has been detected to be below the set value for the programmed time it sends a text message to inform all users. The inclusion of the running average helps protect the system from detecting inaccurate readings during periods of increased load.

If no value (XX.X) is set the system responds with:

Because no value was specified the voltage alarm has been set to 11.5 volts and the alarm has been reset

If the value (XX.X) is outside the settings the system responds with:

Because the value is out of range the voltage alarm has been set to 11.5 volts and the alarm has been reset

Check the Battery Supply Voltage

Command: Voltage status

The system responds with: (where battery is the name for the supply voltage)

Battery is currently XX.X volts

Set the battery alarm as a latched or non-latched alarm

If the battery alarm is set to latching then once the battery alarm has been triggered the **Reset Battery Alarm** command needs to be set to reset the latched alarm. If it is set to non-latching the battery alarm will reset once the battery voltage has increased by .5 volts.

The system default is non-latching:

Command: Make battery alarm latching

System responds with: **The battery alarm is now latching**

Command: Make battery alarm non-latching

System responds with: **The battery alarm is now non-latching**

Reset a latched Battery Alarm (if set to latching alarm)

Command: Reset battery alarm

This command is used to clear the Low Battery Voltage alarm, after it has alerted the user that the voltage has dropped below the set level.

The system responds with:

The battery alarm has been cleared and will begin to be monitored again

If the alarm is linked to an output the system responds with:

The battery alarm has been cleared and will begin to be monitored again, the linked output has also been turned off

If the alarm is not currently set, the system responds with:

The battery alarm is not currently active and does not need to be cleared

Alive text feature.

This unit has an alive text feature which will send out a alive text as often as it has been programmed for.

To turn the feature on:

Command: Turn alive text on every xx yy (where xx=1 to 99, yy = hrs or days)

This sets how often the alive text is sent out, XX can be between 1 and 99

Example: Turn alive text on every 2 days
Every 2 days the Alive text will be sent out

If everything is fine, the system responds with:

This feature has been set, the following text will be sent every xx yy (yy = hrs or days)

Alive text, battery is currently xx.x volts, signal strength xx %

The default setting will send the Alive text to **All** users, to mask users see BELOW

To turn the feature off:

Command: Turn alive text off

If everything is fine, the system responds with:

This feature has been disable

Masking Alive texts.

This feature allows you to mask the Alive text so only the programmed users will receive the Alive text and not all users. The default setting is all users will receive the alive text but once this command has been sent only the programmed numbers will receive the text.

To set mask:

Command: Add +??XXXXXXXXXX to alive text (example +6442934211)

This will set the mask and only the number as per above will receive the alive text, repeat this for all users that require the alive text.

If everything is fine, the system responds with:

The number has been added to the alive text list

Get Firmware Version

Command: Ver

The system responds with: **SMS-2 Ver X.X**

Get Signal Strength

Command: Sig

The system responds with: **Currently the signal strength is XX %"**

Resetting the Unit

Command: Reboot

The system responds with: **Module is now resetting**

Reset Unit to Factory Defaults

-----**WARNING**-----

This command restores the unit to factory defaults therefore all settings will be lost

Command: Factory Reset

The unit responds with:

The unit has been restored to factory settings and all memory has been cleared

Trouble Shooting Guide

PROBLEM	CAUSE	POSSIBLE SOLUTION
LED not flashing	No power	Check power supply
LED fast flashes (every 1 second) and never slow flashes (every 3 seconds)	Cannot find the GSM network	<ol style="list-style-type: none"> 1. Replace aerial with high gain aerial 2. Move unit to different location 3. SIM card not installed 4. SIM has a pin number (remove) 5. SIM is locked (remove lock)
LED slow flashes (every 3 seconds) But no texts are sent or received	The unit can find the GSM network (hence the slow flashes) but the signal strength is too low	<ol style="list-style-type: none"> 1. Replace aerial with high gain aerial 2. Move unit to different location 3. SIM card NOT registered with the network provider 4. No credit on the SIM card

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