



EZY SWITCH



SMS-T2 System Monitor Installation Manual

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Features - *Model SMS-T2*

- Receive text messages on your cell phone alerting you to potential problems anywhere in the world
- Send commands to control lights, pumps, appliances, air conditioning, etc. via text message from your cell phone
- Module= Model A = 2G, B = 3G, C=3G/4G
- Up to 5 cell phones may be designated as “masters” to send commands and receive alert text messages
- All set-up and changes made via text (no need for a computer)
- Control up to two (2) devices using text message commands
- Monitor up to two (2) devices that use switched contacts (switching Inputs which use contacts that open or close upon activation such as a float switch):
 - Programmable Input delays (max 99 minutes)
 - Programmable for Latching or Non-Latching Inputs
 - Programmable for Normally Open or Normally Closed Inputs
 - Programmable for Normally Open or Normally Closed Outputs
- Inputs and Outputs names are user programmable via text command – up to 20 characters
- Link any Input to any Output (Example: Link intruder sensor or smoke detector [input] to light or alarm horn [output])
- Monitors battery supply voltage and sends alarm message if low battery is detected at below the programmed alarm setting
- On-demand updates via text message to interrogate status of:
 - Current battery voltage
 - Status of all Inputs
 - Status of all Outputs
 - List of all designated “masters”
- Compact Size for wall or horizontal surface mounting:
 - 117mm x 78mm x 30mm

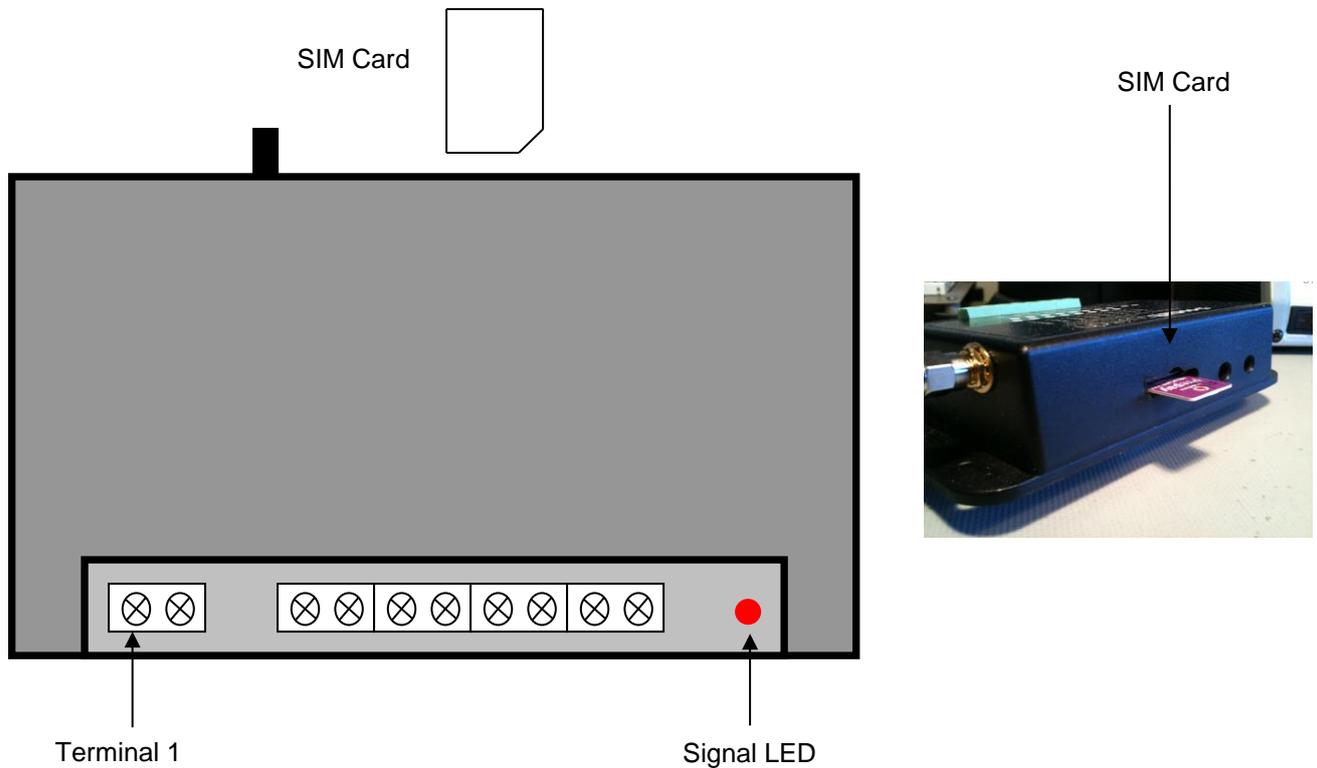
Monitor:

- Shore power disconnect
- Pumps running
- High water alarms
- Security & alarms
- Entry alerts
- Smoke alarms
- And much, much more

Control:

- Battery charger
- Fridge/Freezer
- Air Conditioning/Heating
- Lighting
- Hot water systems
- Irrigation systems
- Or any other device

System



Signal LED:

If the LED flashes once every 1 second, this indicates the cellular network cannot be found (out of GSM 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).

SMS-T2 Terminal Electrical Specifications

Terminal 1 = Batt +
Terminal 2 = Batt -

Terminal 3 = +5vdc supply for sensor
Terminal 4 = Variable voltage in from sensor
Terminal 5 = Input 2
Terminal 6 = Input 2

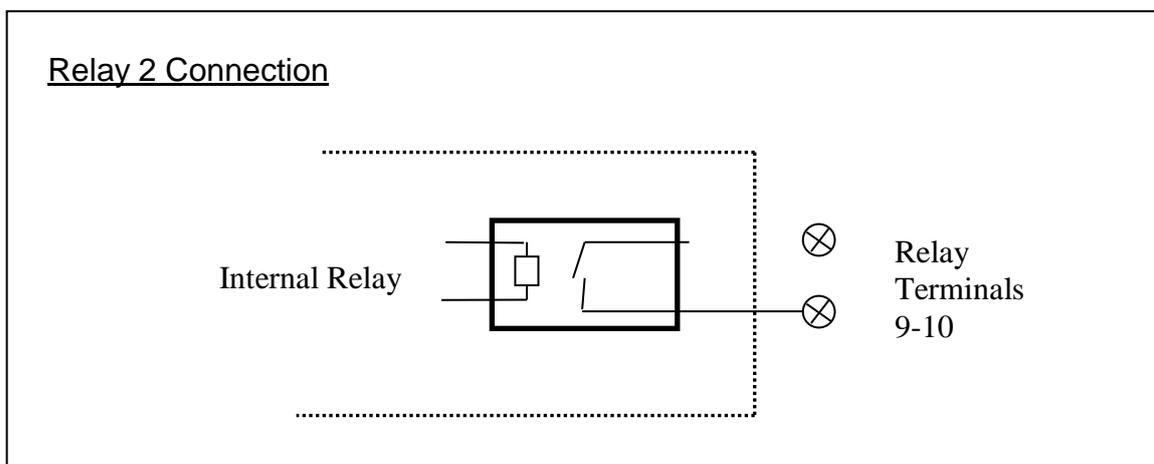
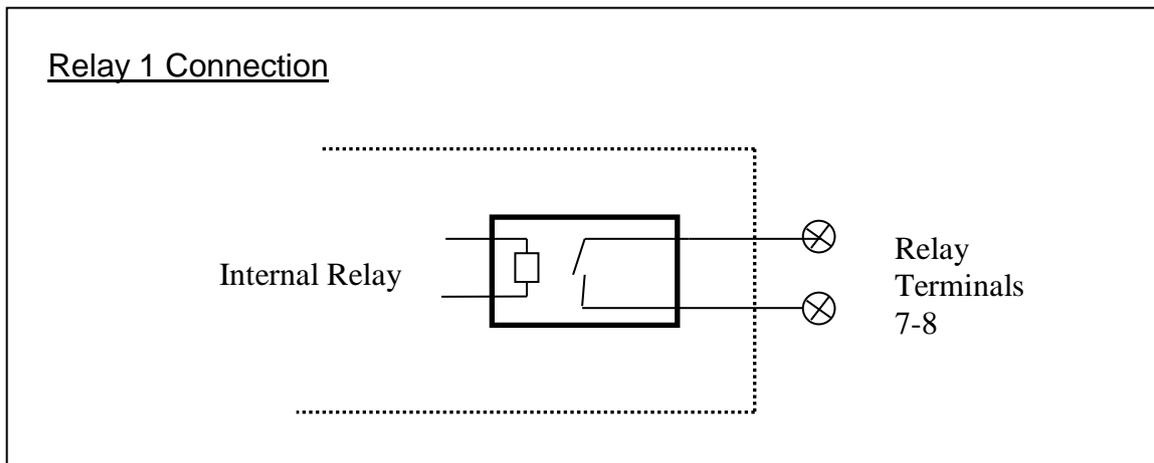
Terminal 7 = Output 1 (N/O)
Terminal 8 = Output 1 (Com)
Terminal 9 = Output 2 (N/O)
Terminal 10 = Output 1 (Com)

Electrical Specifications:

Supply Voltage	12 to 30 Volts DC @ 800mA
Quiescent Current	20 Milli-amps
Data Retention	10 years (without power)
Outputs	Relay = 3 A resistive @ 125VAC
Max Input voltage	30vdc

Outputs

The SMS-T2 has two (2) Outputs. The Outputs are Relays rated at 3 A resistive @ 125VAC



!! Important Note !!

A registered electrician must be used when connecting to the 120/240v main supply voltage.

Inputs

The SMS-T2 has two (2) Inputs.

Input 1 is a standard digital input and can be connected as per Fig 2a or Fig 2b

The Analog input is a 0 to 5vdc input, connections shown in Fig 1

Fig 1

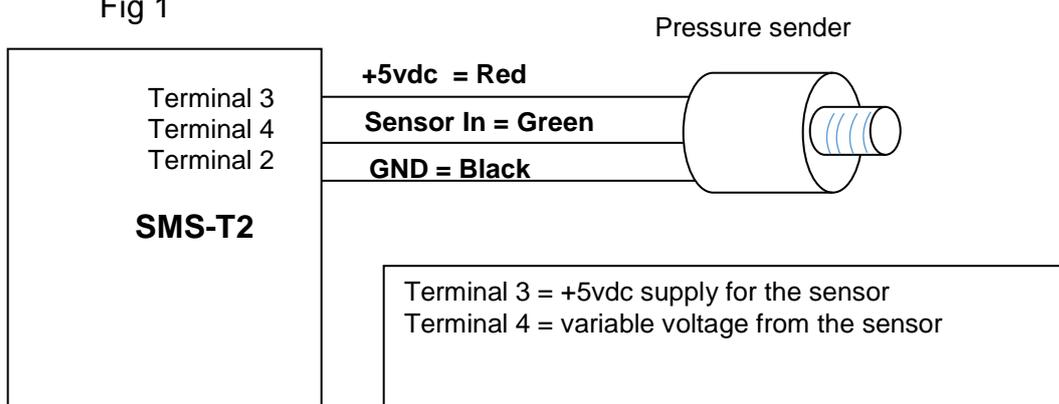


Fig 2a

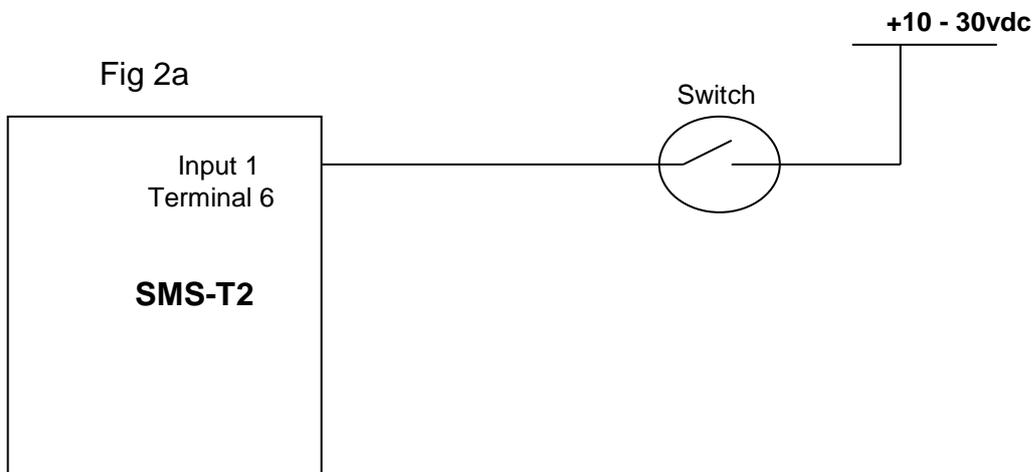
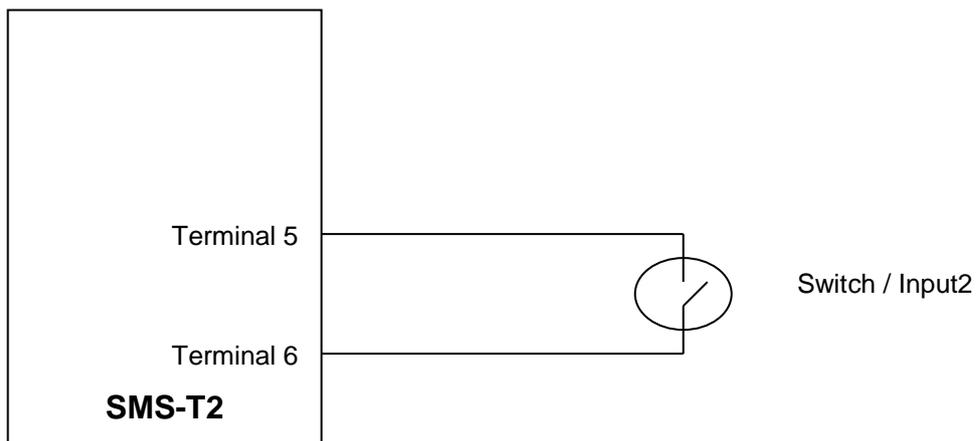


Fig 2b



!! 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.

When the unit is first powered ON a mobile (cell phone) number must be set for initial programming. This phone number is called the "Initial Owner". 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 8).

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 7 must be done first)

Command: Add user +??XXXXXXXX (see Country Code page 7)

If the master 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 7)

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

Cannot delete the only master; if you would like to change masters add the new one before removing the old

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

+??XXXXXXXX is not currently on the masters 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 7)

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 except commands from. Other user will be sent texts but CAN NOT send any commands.

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 Masters**Command: User list**

The system responds with:

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

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 programmed numbers lookup on or off**Command: User lookup on (or) off** (System default = On)

If User lookup is **On** the SMS-T2 will only respond to numbers that have been programmed into the unit using the Master Add command as per above.

If User lookup is **Off** the SMS-T2 will respond to any number that sends the correct command.

The system responds with:

The user lookup list feature has been turned on and the unit will only except commands from programmed users

OR

The user lookup list feature has been turned off and the unit will only except commands from any users

PLEASE NOTE: Input changes will only be sent to users that have been programmed into the unit.

Text all programmed numbers on or off**Command: Text all on (or) off** (System default = On)

If Text all is **On** the SMS-T2 will text all user that have been programmed into the unit with the reply to the command.

If Text all is **Off** the SMS-T2 will only text the number that initiated the command with the reply.

The system responds with:

All users in the list will now receive notification texts (On)

OR

Only the number sending the text command will receive notification text (Off)

PLEASE NOTE: This command does not affect the inputs all Input changes will only be sent to users that have been programmed into the unit.

Turn all Input Text's OFF

With alerts turned off the device will NOT text every time any Input changes but the Inputs are still active so you can send a "Input status" query at any time.

Command: Alerts off

The system responds with: **Alerts have been disabled** (this is saved to memory and will still be disabled even after the unit is reset or rebooted)

Turn all Input Text's ON

Command: Alerts on

The system responds with: **Alerts have been enabled** (this is saved to memory and will still be disabled even after the unit is reset or rebooted)

Testing

Command: test

The system responds with: Battery is currently ???.? volts, signal strength is ?? % , run test now. The unit will now test the inputs and outputs and waits for the inputs to be triggered.

When input1 is turned on output1 will turn on, when input1 is turned off output1 will turn off
When input2 is turned on output2 will turn on, when input2 is turned off output2 will turn off
Test finished

Get a list of the Inputs

Command: Input status

Currently, **INPUT NAME** is ??, **INPUT NAME** is ??

Where ?? is either On or Off

If an Input is a latching input and on:

Currently the latching Input **INPUT NAME** is on and latched

If an Input is a latching input and off:

Currently the latching Input **INPUT NAME** is of

Get a list of the Outputs

Command: Output status

The system responds with:

Currently, **Output Name** is ??, **Output Name** is ??

Where ?? is either On of Off

Naming Inputs and Outputs and Changing Names:

Command for initial Naming or changing name of Input or Output:

Note: The system default names are:

Inputs: Input1, Input2

Outputs: Output1, Output2

The name can contain a dash (-) but NOT a space. eg. "Pond-pump" is OK

Command:

Change **Current Input or Output Name** to **New Input or Output Name**

(Example: Change input1 to Alarm)

(Example: Change output1 to Pump)

This command is used to change Inputs and Outputs to a new name. Names can be words up to a total length of 20 characters, please **note** the name can contain a dash (-) but NOT spaces. Once the name has been changed, the particular Input or Output is always referred to by the new name (e.g. Alarm). For commands or status interrogation and the SMS-T2 will respond using the new name. **Use table on page 23 to record your new Input and Output names.**

If the device you are trying to rename is not currently in the list, 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 the new name chosen does not fulfill the requirements of a name, the system responds with:

Sorry that name is not allowed, please check that it is between 1 and 20 characters long

If everything is ok, the system responds with:

The input name has been changed to YYYYYYYYYY

Or

The output name has been changed to YYYYYYYYYY

Change the Input Delay (see page 23 for detailed explanation)
(You can have a delay when an Input turns either On or Off)

Command: Change **INPUT NAME** on delay to XX sec or min

(Example: Change input1 on delay to 10 min)

Command: Change **INPUT NAME** off delay to XX sec or min

(Example: Change input1 off delay to 10 min)

(XX can be between 1 and 99 seconds or 1 to 99 minutes)

The system responds with:

The **INPUT NAME** (On or OFF) delay has been set to XX (sec or min)

If XX is not between 1 and 99 or no value is entered, the system responds with:

Because no value was set the INPUT NAME (On or OFF) delay has been set to 30 secs

Change Input to Normally Open or Normally Closed

Command: Make **INPUT NAME** active **open** (or) **closed**

This command is used to define if the switch wired to the Input is normally open or normally closed. The Input defaults are set for a normally open switch (which is active closed). That is, the Input becomes active when the switch is closed.

Active closed means: the Input switch is normally open and goes closed to activate Input.

Active open means: the Input switch is normally closed and goes open to activate Input.

The system responds with:

INPUT NAME will now activate when the input (either opens or closes)

OR if you try to set it for its current setting, the system responds with:

INPUT NAME is all ready set for (either open or closed) and does not need changing

Set an Input as a latched Input

Command: Make **INPUT NAME** latching (Example: Make alarm latching)

This sets the Input to a latched Input and the system responds with:

The Input INPUT NAME is now a latching input

Set an Input as a Non-latched Input

Command: Make **INPUT NAME** nonlatching
(Example: Make alarm non-latching)

This sets the Input to a NON latched Input and the system responds with:

The Input INPUT NAME is now a nonlatching input

Reset a latched Input (used to return Input to “non-activated” state)

Command: Reset **INPUT NAME** (Example: Reset alarm)

The system responds with:

INPUT NAME is no longer in a latched state and will begin to be monitored again

If the Input is not latched, the system responds with:

INPUT NAME latch is not currently set so does not need clearing

Link an Input to an Output

Command: Link INPUT NAME to OUTPUT NAME
(Example: Link alarm to siren)

The system responds with:

The INPUT NAME has been linked to OUTPUT NAME

To clear a link

Command: Clear INPUT NAME link (Example: Clear alarm link)

The system responds with:

The link between INPUT NAME and OUTPUT NAME has been cleared

Function: If a link is setup between an Input and an Output and the Input is turned ON, the Output will also turn on. Full control of the Output is still available.

Get Linked information

Command: Link status

The system responds with:

Which inputs are linked to which outputs

if there are no links the response is

**Currently Input1 is not linked to an output
Currently Input2 is not linked to an output**

Input Tick Off Feature.

The inputs can have a Tick-Off feature, if this feature is turned on and an input is on the unit will send a reminder text every 10 minutes until the text command "Tick INPUT NAME off is sent. (max number of texts=20)

To turn the feature on:

Command: Make INPUT NAME tickoff on

If everything is fine, the system responds with:

The input tickoff feature has been turned on

To turn the feature off:

Command: Make INPUT NAME tickoff off

If everything is fine, the system responds with:

The input tickoff feature has been turned off

Programming the Input reply message.

Input 1 can have a programmed reply message feature, if this feature is programmed then when the input is triggered (turned on) you will receive the programmed message. And when the input is turned off **NO** message will be sent

The programmed message can have up to 6 words and a maximum of 10 characters per word:

e.g Turn the back paddock pump on
e.g Please close the gate after using

To program the feature:

The Command for Input1 is: Message1 please close the gate after using

If everything is fine, the system responds with:

The reply message has been set to : please close the gate after using

To turn the feature off and set back to factory settings simply send:

The Command for Input1 is : Message1

If everything is fine, the system responds with:

The reply message has been set back to the factory settings

If the message is wrong, the system responds with:

Sorry that message is not allowed, please check that each word is between 1 and 10 characters long

Turn an Output ON or OFF

Command: Turn **OUTPUT NAME** on (or) off (Example: Turn Generator on)

If everything is fine, the system responds with:

OUTPUT NAME has been turned off (or) on

This command is used to turn on/off Outputs. If the item named is not an Output or the command is not spelt correctly the system responds with:

Sorry either that output does not exist or the options ON or OFF has not been used

Turn an Output ON for XX mins or hrs or days

Command: Turn **OUTPUT NAME** on for XX (either mins or hrs or days)

If everything is fine, the system responds with:

OUTPUT NAME has been turned on for XX (mins or hrs or days)

XX can be between 1 to 99 either minutes or hours or days (max time 99 days)

If no time is specified then the output will be turned on until the "Turn output Off " command is sent

The Output on time XX can also be programmed so when ever the "Turn output On command is sent the output will turn on for the programmed time

Command: Set **OUTPUT NAME** on time to XX (mins or hrs or days)

If everything is fine, the system responds with:

The **OUTPUT NAME** on time has been set to XX (mins or hrs or days)

If no value is set the system will respond with:

The OUTPUT NAME has been turned on and will stay on because no time-out value was set

If the text mins or hrs or days does not follow the XX (time) the system will respond with:

Sorry you can only set mins, hrs or days please check the spelling and try again

Change Output to Normally On or Normally Off

Command: Make **OUTPUT NAME** inverted

This command is used to define if the output relay is normally open or normally closed. System default is normally open.

The system responds with:

The **OUTPUT NAME** is now inverted

To non-invert the output:

Command: Make **OUTPUT NAME** noninverted

The system responds with:

The **OUTPUT NAME** is now noninverted

Make an Output pulse On and Off**Command: Make OUTPUT NAME pulse XX secs**

This sets the output pulse time, XX can be between 1 and 99 seconds

When the Output ON command is sent as follows:

Turn OUTPUT NAME On

The Output will turn On for the programmed pulse time and then turn Off, the system responds with:

OUTPUT NAME has been pulsed on and off

If you try and set an Input as a pulse Output, the system responds with:

Sorry pulses only apply to outputs, please check the name and try again

If the Output is already a pulsed Output the system responds with:

OUTPUT NAME is already a pulsed output so does not need changing

If the Output is initially off and everything goes correct, the system responds with:

OUTPUT NAME is now a pulsing output

If the pulse time has not been set as per above the default time is 3 seconds and the system responds with:

OUTPUT NAME is now a pulsing output with a default pulse time of 3 seconds

If the Output was initially On when the Output was set, the system responds with:

OUTPUT NAME is now a pulsing output and has been turned off in preparation for use

If the Output is linked to an Input, when the Input is triggered the system sends:

INPUT NAME linked output OUTPUT NAME has been pulsed on then off**Clear Output pulse (make output non pulsing)****Command: Clear OUTPUT NAME pulse**

If you try to clear a pulsed Output when it is not set, the system responds with:

OUTPUT NAME is not currently a pulsed output so does not need changing

If you try and clear a pulse on an Input, the system responds with:

Sorry pulse only apply to outputs, please check the name and try again

Otherwise if its all ok, the system responds with:

OUTPUT NAME is no longer a pulsing output

Turn Output response On / Off

This command is used to turn the output response text On or Off.
 If the output response is turned off then a response text is not sent when outputs are turned on or off System default is ON (send response).

To turn the feature on:

Command: Turn respond on

The system responds with: **This feature has been enabled, response text will be sent**

To turn the feature off:

Command: Turn respond off

The system responds with: **This feature has been disabled, response text will not be sent**

Save Output Status

This command is used to define if the output state is saved to memory and restored to its state after a power recycle. E.g. if an output was On when the power was turned off then when the power is restored the output will turn back on. Note this does not apply if an output was turned on for a specified time. System default is not saved.

Command: Make OUTPUT NAME save

The system responds with:

The output condition will be saved and restored if the power is reset

To turn the feature off:

Command: Make OUTPUT NAME nonsave

The system responds with:

The output condition will not be saved

Note: If you want this for both outputs then the command needs to be sent for both outputs

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 masters. 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

Link the Battery Alarm to an Output**Command: Link battery alarm to OUTPUT NAME**

The system responds with:

The battery alarm has successfully been linked to OUTPUT NAME and the alarm has been reset

To clear or remove the link

Command: Clear battery link

The system responds with:

The battery alarm Output link has been removed**Function:** If a link is setup between the Battery Alarm and an Output then when the Battery Alarm turns ON, the linked Output will also turn on. Full control of the Output is still available (see page 15-16).**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 nonlatched 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 nonlatching the 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 nonlatching**System responds with: **The battery alarm is now nonlatching****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 owner 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

Calibrating the tank sensor

The tank sensor must be calibrated so the unit knows the voltage swing from empty to full.

There is two methods of calibration:

Method-1 is 2 point = empty and full

Method-2 is 5 point = empty, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and full (use this if the tank is an odd shape)

Method-1 Two Point

Fill the tank to the required low level then send:

Command: Set low level

The system responds with:

Tank low level has been set

Fill the tank to the required high level then send:

Command: Set high level

The system responds with:

Tank high level has been set

This will set the tank sensor voltage levels and work out the scale for percentages:

Method-2 Five Point

Fill the tank to the required low level then send:

Command: Set low level

The system responds with

Tank low level has been set

Fill the tank to the required $\frac{1}{4}$ level then send:

Command: Set $\frac{1}{4}$ level

The system responds with:

Tank $\frac{1}{4}$ level has been set

Fill the tank to the required $\frac{1}{2}$ level then send:

Command: Set $\frac{1}{2}$ level

The system responds with:

Tank $\frac{1}{2}$ level has been set

Fill the tank to the required $\frac{3}{4}$ level then send:

Command: Set $\frac{3}{4}$ level

The system responds with:

Tank $\frac{3}{4}$ level has been set

Fill the tank to the required high level then send:

Command: Set high level

The system responds with:

Tank high level has been set

This will set the tank sensor voltage levels and work out the scale for percentages:

Set the tank volume

**Command: Set xxxxx YYY (where xxxxx = the total litreage of the tank)
(where YYY can be litres or gallons)**

The system responds with:

The tank volume has been set to xxxxx YYY (where YYY is either litres or gallons)

Set alarm levels

Both low and high alarm levels can be set, the unit will text you when the level has been reached.

Command: Set xxxx litres yyy alarm (where xxxx is the litres, yyy is either low or high)

OR

Command: Set xxxx gallons yyy alarm (where xxxx is the litres, yyy is either low or high)

The system responds with:

**The tank yyy alarm level has been set to xxxx, and the alarm has been turned On
(where yyy will be either low or high depending on the above)**

Set alarm reset levels

Both low and high alarm levels can be reset automatically when the tank level reaches the programmed reset levels.

Note: If the reset level is not set the default alarm reset level will be 10% great than the low alarm set level and 10% less than the high alarm level.

Command: Set xxxx litres yyy alarm reset

OR

Command: Set xxxx gallons yyy alarm reset

(where xxxx is the litres/gallons, yyy is either low or high)

The system responds with:

The automatic alarm reset level has been set to xxxx litres or gallons

Turning tank alarms On / Off

The tank alarms can be turned On or Off.

**Command: Tank xxxx alarm yy (xxxx can be the word low or high : yy can be on or off)
e.g Tank high alarm off**

The system responds with:

The alarm has been turned yy, (where yy can be on or off)

Linking alarms to outputs

Both low and high alarm can be linked to an output.

Command: Link xxxx alarm to OUTPUT NAME (xxxx can be the word low or high)

OUTPUT NAME = the name of the output

The system responds with:

**The tank xxxx alarm has been linked to OUTPUT NAME
(where xxx will be either low or high depending on the above)**

Clearing linked alarms

This command will remove any programmed link to an output.

Command: Clear xxxx alarm link (xxxx can be the word low or high)

The system responds with:

The xxxx alarm output link has been removed
(where xxx will be either low or high depending on the above)

Getting the tank level

This command will return the litres or gallons and tank percentage

Command: Tank volume

The system responds with:

Tank volume is xxxx (Its or gals) : yyy %
(where xxx will be the litres or gallons and yyy will be the percentage)

e.g. Tank volume is 1200 lts : 68% OR Tank volume is 1200 gals: 68%

Tank Usage (only available in ver 4.1.4 or above)

If this feature is turned on it works as follows. When Input1 is turned On the current tank level will be logged and saved, when input1 turns off the current tank level will be compared to the saved level and the difference will be sent out.

To turn this feature on:

Command: Set usage on

The system responds with:

The tank usage feature has been turned on

To turn this feature off:

Command: Set usage off

The system responds with:

The tank usage feature has been turned off

Get Firmware Version

Command: Ver

The system responds with: **SMS-T2 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 not 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

CONDITIONS OF WARRANTY

Penguin Electronics Ltd (the manufacturer) warrants that all of its products are free of defects. Any apparent fault will be rectified free of charge by Penguin Electronics Ltd for a period of 12 months from purchase date, provided that:

- ❑ All costs of installation, cartage, freight, travelling expenses and insurance are paid by the customer
- ❑ The liability of Penguin Electronics Ltd under these Conditions Of Warranty is limited to any defective components or workmanship directly attributed to the manufacture of this product
- ❑ The manufacturer's liability under this warranty is limited to the replacement of defective parts (or at our option, replace) without charge where determined by the manufacturer
- ❑ Where a replacement unit is provided the manufacturer is entitled to and will retain the replaced product as its property
- ❑ The equipment has been installed correctly and is used in accordance with the instructions issued with the product

Ezy Switch SMS-T2 Installation & Operation

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Appendix One: Record Your Names for all Inputs and Outputs

Input	Default Name	[Name] (Up to 20 characters)	Latched Yes No	Linked to	Active Open or Closed
1	input1				
2	input2				
Output					
1	output1				
2	output2				

Detailed explanation of Input delays:

On Delay:

This delay is used when the input turns ON:

Example : If input1 has an ON delay of 10mins, when Input1 turns ON the unit will wait 10 minutes then send the following text message "Input Name has been turned on"

If the input turns off before the programmed time delay expires the input is reset and the time starts back at zero.

If the input is linked to an output it will also state the linked output has also been turned on

Off Delay:

This delay is used when the input turns OFF:

Example : If input1 has an OFF delay of 10mins, when Input1 turns OFF the unit will wait 10 minutes then send the following text message "Input Name has been turned off"

If the input turns off before the programmed time delay expires the input is reset and the time starts back at zero.

If the input is linked to an output it will also state the linked output has also been turned on

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 to 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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