



Text Alerter—Switched Input

The Text Alerter system will enable customised SMS messages to be sent based upon the status of the inputs configured for the unit.

The Text Alerter system can accept switch inputs from devices such as level probes, alarms systems, and tank gauges with relay outputs.

A mobile phone will be required to program the Text Alerter.

A GSM SIM card will be required to allow the Text Alerter to function.

Text Alerter—Switched Input

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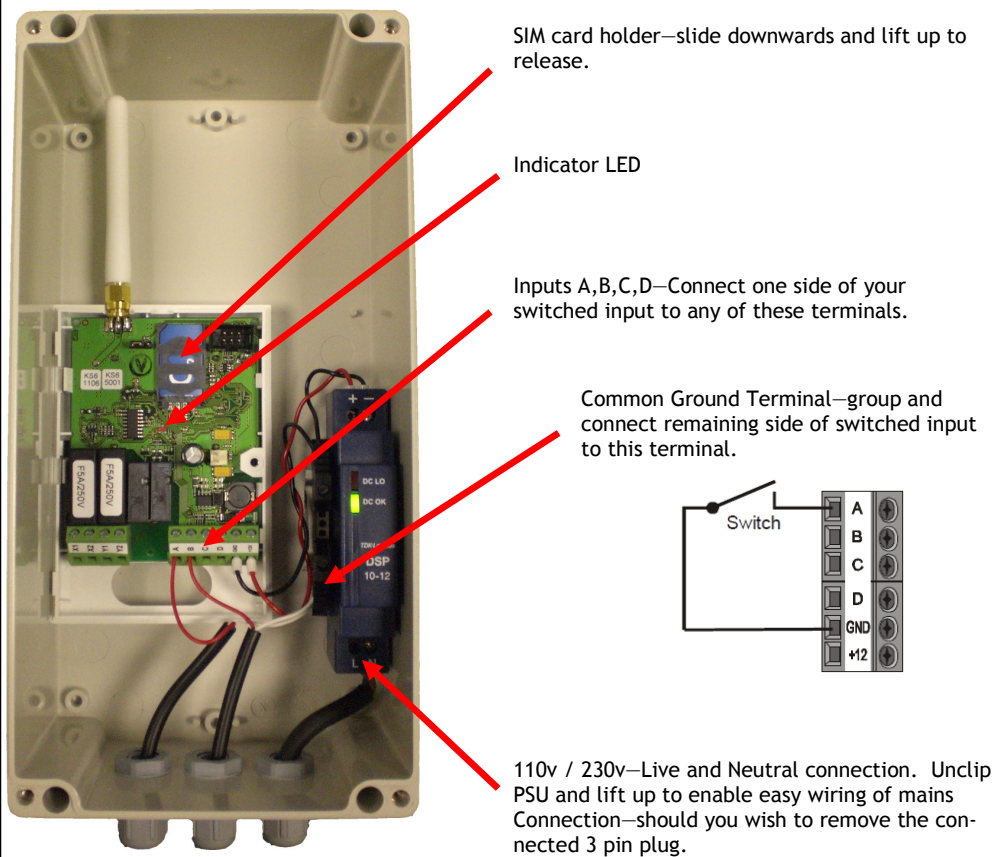
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Text Alerter—Switched Input

Your Text Alerter system will enable customised SMS messages to be sent based upon the status of the inputs configured for the unit.

In order to function, the Text Alerter needs a SIM card, preferably one on a tariff, as some PAYG SIM cards need monthly top-ups to continue functioning—check with your network provider.

- Test the SIM card by using it in your mobile phone - SMS sending and calling must work correctly.
- Switch off the PIN code protection via the phone menu (or set the PIN code to 1234).
- Check the GSM signal strength in the Text Alerter's installed location—if there is no signal then the Text Alerter can't send any messages.



Installation

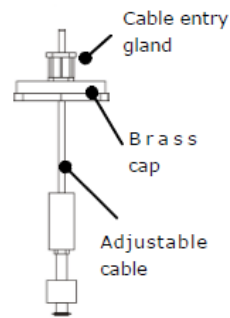
The Text Alerter can be mounted to any flat surface using the four M5 mounting holes, usually around 2-3m from the tank, and within easy reach of the mains connection. Site the wall box out of direct sunlight.

Tank Level Probes

The Text Alerter is supplied with 2 level probes (depending upon version purchased). You should connect both probes to the unit prior to installation. Mark one probe as "A" and wire into the "A" switch terminal of the Text Alerter. The other probe will be probe "B" and should be wired into the "B" switch terminal of the Text Alerter (see page XX for wiring instructions). You should decide the level that the probes will be in the tank and move the brass cap up or down the cable to achieve the desired length of cable that will allow the probe to hang at that level in the tank. Optional plastic tank plates are available if your tank does not have a 1.5" BSP threaded port on the top.

Power Supply

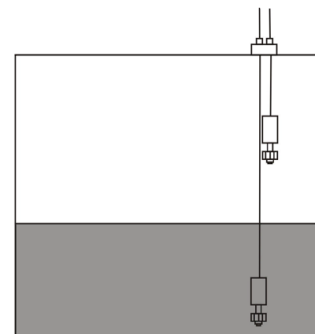
The Text Alerter is supplied with a UK 3-pin plug and requires connection to 240V supply; ensure that you have capability of connecting to the correct voltage power source in the intended location for the installation of Text Alerter. Use of a 30mA RCD is highly recommended.



The probe height inside the tank can be adjusted by using the cable gland—once the probe is in the desired position re-tighten the cable gland to secure the probe.

If a probe is operating in the LOW level position the float may need to be rotated to operate correctly. Remove the cir-clip from the stem and remove and rotate the float.

Example tank setup showing a low level probe and a high level probe. →



Initial powering up

1. Turn the power supply on, registration to the GSM network is indicated by the LED flashing (if no indication occurs, check the power supply wiring).
2. After GSM registration the LED stops flashing (usually within 1 minute). Continued flashing indicates a GSM registration fault. Disconnect the power supply and check that a valid SIM card has been correctly installed into the device, and has PIN security disabled).
3. Send the SMS message with the word "STATUS" to the Text Alerter SIM card number.
4. Text Alerter responds by a status report, e.g. STATUS: A0,B0,C0,D0,X0,Y0,GSM:80% (which means that all A to D inputs are switched off and that the GSM signal strength is 80%). Depending on the GSM network traffic the response may take some time. If no response occurs, verify that "STATUS" is spelt exactly right in the text of the message and that you are sending the message to the Text Alerter's correct SIM card number (repeat the previous step).

Programming the Text Alerter

The text Alerter has the functionality to send a 30 character SMS message to multiple phone numbers in the event of an input Activating or De-Activating

For example an SMS can be sent when a fuel tank level probe reaches a pre-determined point and alerts a mobile phone that the tank is low on fuel and more fuel needs to be ordered.

Input A to D activation/deactivation SMS reports			
Input activation text	ATA, xx..x	Use ATB for input B , etc. xxx..x = text (up to 30 characters*) Example: <i>ATC, heating on</i> Instruction ATA , , erases the text = no reports	A1, B1, C1, D1
Input deactivation text	DTA, xx..x	Use DTB for input B , etc. xxx..x = text (up to 30 characters*) Example: <i>DTC, heating off</i> Instruction DTA , , erases the text = no reports	A0, B0, C0, D0
Telephone numbers for input reports	TNA, x..x, x..x	Use TNB for input B , etc. x..x = tel. number, up to 8 for each input. All previously stored numbers are erased. Use TNA , to empty the list. Example: <i>TND, 777123456, 608123456</i> sets to report input D events to 2 numbers	empty list

The Text Alerter is configured with a standard access code to enable the unit to interpret the SMS messages. Start each new SMS with the word **PC** and all commands must be in **UPPER CASE**.

Commas (,) are used to distinguish between commands within the SMS message.

Programming the Text Alerter

Example to send the SMS message "Fuel Tank–Low Fuel" to mobile phone 07989123456 when the level probe connected to input A activates.

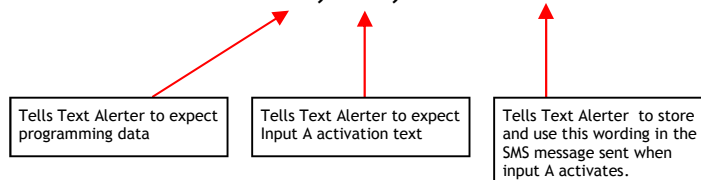
Programming Example :

For the example you would type everything in **bold** into your new txt message !

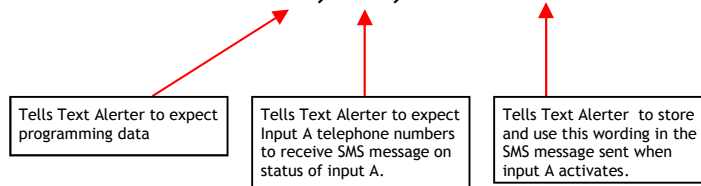
New SMS to Text Alerter mobile number = **PC, ATA, Fuel Tank–Low Fuel**

New SMS to Text Alerter mobile number = **PC, TNA, 07989123456**

New SMS to Text Alerter mobile number = **PC, ATA, Fuel Tank–Low Fuel**



New SMS to Text Alerter mobile number = **PC, TNA, 07989123456**



A further example would be to send an SMS message when the fuel level increases in the tank, simulating a fuel delivery. The tank level probe that was previously activated at low level now de-activates and an SMS can be programmed for this change of state.

Further Programming Example :

New SMS to Text Alerter mobile number = **PC, DTA, Fuel Tank–Fuel Delivery**

New SMS to Text Alerter mobile number = **PC, TNA, 07989123456**

* Use the table below to record the configuration of the Text Alerter *

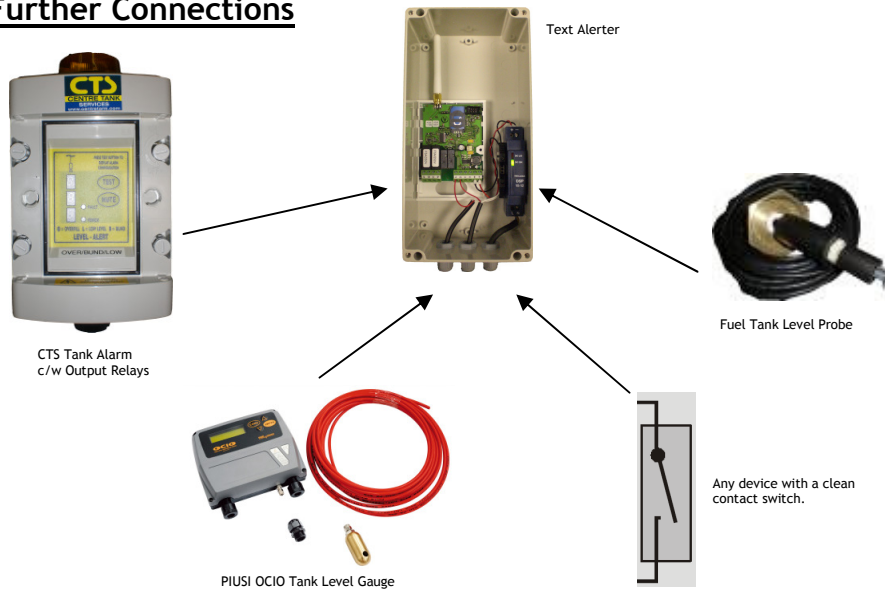
SMS reports			
Input A activation text		Input A deactivation text	
<input type="text"/>		<input type="text"/>	
Input B activation text		Input B deactivation text	
<input type="text"/>		<input type="text"/>	
Input C activation text		Input C deactivation text	
<input type="text"/>		<input type="text"/>	
Input D activation text		Input D deactivation text	
<input type="text"/>		<input type="text"/>	
Telephone numbers to which input A to D activations or deactivations are reported			
Telephone numbers for input A reports	Telephone numbers for input B reports	Telephone numbers for input C reports	Telephone numbers for input D reports
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Testing the Text Alerter

Before installing the level probes into the tank for the final time, check that when the float moves up or down on the probe the expected message is received correctly.

Ensure that the wall box is closed correctly ensuring a weatherproof seal.

Further Connections



Specification

Power supply	110v — 230v AC Class 2 Double Insulated
Consumption	850mA
GSM Band	E-GSM 850 / 900 / 1800 / 1900 MHz
RF Output Power	2 W for GSM 850/900, 1 W for GSM 1800/1900
A,B,C,D Terminal Activation	Connection to GND
Can be operated according to	ERC/DEC/(94)01
TUV—Safety (PSU and GSM)	EN 60950-1
EMC	EN 301489-7, EN 55022 and EN 50130-4
Radio Transmissions	ETSI EN 301419-1 and EN 301511
Environment	IP55 (-10c + 40c)
PSU	EN 55022 Class B
GSM	EC 1999/5/EC Directive



Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the manufacturer after use.

