

For technical support, contact: 011 202 5884 or 083 235 4916.

SMS ALERT 9 ALARM / PLUS

User Manual – last update 15 Oct 2018



Main features

- Arm / Disarm red LED indication & 1 Relay output for extra pilot LED
- Arm / Disarm via KEY switch or remote SMS (Pulse)
- Siren output. Bell squeak (peep).
- 2 Relay outputs. 1 relay can be used for automatic pepper spray for Zone 1 only
- 6 zones, panic, power loss/restore & bypass inputs (8 zones can be requested)
- Bypass input includes, or bypasses last 3 zones
- Silent listen-in microphone
- **Individual Zone on/off via SMS** – new Version 11.2
- Relay A can now latch via SMS command – new Version 11.1
- **Inputs by default NC, but individual inputs can be changed to NO (mixed)** – new version 11.0
- 10 users, first 4 receive all SMSs, and last 6 receives Panic only

(NC default trigger, no terminator resistor required, zones renamable)

- Input 1 : **Zone 1**
- Input 2 : **Zone 2**
- Input 3 : **Power Loss / Power Restore** – Dual state trip
- Input 4 : **Zone 4**
- Input 5 : **Zone 5**
- Input 6 : **Zone 6**
- Input 7 : **Zone 7**

Input 8 : Bypass of zones 5,6 and 7. Grounded by default to monitors all zones

Input 9 : **** Panic **** (NO negative trip_

Key Led input : Arm/Disarm the overall system via a positive pulse (WI receiver)

* **Opto Isolated** inputs should eliminate interference in an unfriendly electronic environment e.g. presence of static or electromagnetic interference especially for energisers.



SMS Command Summary

Use **lower case** for all commands sent to the SMS Alert (e.g. 1234 ap, 1234 r, 1234 b, etc.)

Use **UPPER CASE** only with the following 4 commands:

- 1234 TC1 (terminate call),
- 1234 TC0
- 1234 AIRT (checking airtime)
- 1234 CODE

Most SMS commands are toggle commands; meaning sending the same SMS command again will undo the command.

| SMS command | Default setting | Description |
|--|-----------------|--|
| Loading / Cancel users (10 Users) | | |
| 1234 b | | To let the SMS Alert report to the 1 st phone (toggle). If you SMS 1234 b you will load user B. If you SMS 1234 b again, you will cancel user B. (In other words you will toggle it on & off). The same SMS gets used every time. There is no user A! User B is the main user, and indicated by the Yellow/Amber LED on the side. It must be on for inputs to trigger, and for the other users to receive SMS if these users (C,D,E) are loaded. See further down in document for more information. |
| 1234 c | | Report to 2 nd phone – use to load and cancel user C (toggle). Same for 1234 d to 1234 k. |
| 1234 d | | Report to 3 rd phone |
| 1234 e | | Report to 4 th phone |
| 1234 f | | Report to 5 th phone - |
| 1234 g | | Report to 6 th phone - Only receives Panic SMS! |
| 1234 h | | Report to 7 th phone - Only receives Panic SMS! |
| 1234 i | | Report to 8 th phone - Only receives Panic SMS! |
| 1234 j | | Report to 9 th phone - Only receives Panic SMS! |
| 1234 k | | Report to 10 th phone - Only receives Panic SMS! |
| 1234 z | | Clear/delete all users |
| General Settings 0 | | |
| 1234 r | | To request the status of the SMS Alert e.g Armed, BC--, #000, #12345678. The SMS Alert will respond with, for example, the following: ARMED B - - - , #0B00 #87650001 ARMED System is armed B - - - User B loaded only. Users C, D and E are not loaded. #0B0 Relay B is switched on. Relay A and C are off # 87650001 Inputs 8,7,6,5 are on / tripped (open). |
| 1234 00 | ON | ARM / DISARM SMS notification ON/OFF for the Key Input. |
| 1234 01 | OFF | Outgoing missed call function on/off for zone 1 and to user B only. |
| 1234 02 | OFF | Relay A will pulse 5 times when zone 1 is tripped. Can be used to trigger a pepper gas dispenser. |
| 1234 03 | NC | Change inputs 1-8 between NO and NC – The device will reset – There is no return SMS. |
| 1234 04 | ON | Siren ON/OFF for Panic SMS (last input). Can be used for silent Panic. |
| 1234 05 | OFF | Advanced setting for use outside of SA. This allows taking the international prefix code into consideration if needed. When set, also send 1234 WC to the SMS Alert. The return SMS will contain SET=0111x where x (5th position) must be 1. If it is 0 then send 1234 WC again. This prevents a problem when the network keeps sending an immediate return SMS to the SMS Alert for every SMS the SMS Alert sends out. |
| 1234 06 | OFF | Any missed call will pulse Relay A. |
| 1234 07 | ON | Siren Bleep ON / OFF when the system is ARMED / DISARMED. |
| 1234 s | | Recall status of settings 1234 00 to 1234 07 . |

| General Settings 1 | | |
|---|-----|---|
| 1234 10 | OFF | Bright white emergency LED ON/OFF when AC power is OFF and movement is detected on Zone 1. Timeout 1 min. For Devices fitted with bright LED. |
| 1234 11 | OFF | Power Loss Restore SMS ON/OFF for input 3. Used if SMSes are a problem during power outages. |
| 1234 12 | OFF | Relay A will pulse 5 times (Spray Peppergas) when Panic is tripped. Similar to 1234 02 . |
| 1234 13 | OFF | Camera flash for devices fitted with GSM camera device. |
| 1234 14 | OFF | Allow 1234 a on and 1234 a off to latch Relay A. By default off to prevent pepper gas dispenser from locking up or getting damaged when 1234 a on is sent by mistake, instead of 1234 ap . |
| 1234 v | | Recall status of settings 1234 10 to 1234 14 . |
| Individual / mixed Zones between NC and NO | | |
| Used for initial installation to make SMS Alert compatible to sensors/devices | | |
| 1234 21 | OFF | Change input 1 to NO (Zone 1) |
| 1234 22 | OFF | Change input 2 to NO (Zone 2) |
| 1234 23 | OFF | Change input 3 to NO (Power Loss / Restore) – Will cause text to swop around. |
| 1234 24 | OFF | Change input 4 to NO (Zone 4) |
| 1234 25 | OFF | Change input 5 to NO (Zone 5) |
| 1234 26 | OFF | Change input 6 to NO (Zone 6) |
| 1234 27 | OFF | Change input 7 to NO (Zone 7) |
| 1234 28 | OFF | Change input 8 to NO – Bypass input. |
| 1234 w | | Recall status of settings 1234 20 to 1234 28. |
| Individual / mixed Zones ON / OFF | | |
| Used to disable a zone while the alarm is armed e.g. false alarms or indoor sensors while at home | | |
| 1234 31 | ON | Switch off Input 1 (Zone1) |
| 1234 32 | ON | Switch off Input 2 (Zone2) |
| 1234 33 | ON | Switch off Input 3 (Power Loss Restore) – Same effect as 1234 11. |
| 1234 34 | ON | Switch off Input 4 (Zone4) |
| 1234 35 | ON | Switch off Input 5 (Zone5) |
| 1234 36 | ON | Switch off Input 6 (Zone6) |
| 1234 37 | ON | Switch off Input 7 (Zone7) |
| 1234 38 | ON | Switch off Input 8 (Zone8) – May cause zones 5 to 7 to be bypassed – <i>not tested*</i> |
| 1234 x | | Recall status of settings 1234 30 to 1234 38. |
| Other Commands | | |
| 1234 t | | Walk-through Test – The siren will bleep when the zones change state. |
| 1234 AIRT | | Checks airtime balance – general – SA use only. If you are in a different country and you want to send <u>*1245*01#</u> then use <u>1234 AIRT*1245*01#</u> The standard/automatic 1234 AIRT is then ignored. |
| 1234 TC1 | | Switches auto answer off (TC = Terminate Call). |
| 1234 TC0 | | Switches auto answer on. |
| 1234 VER | | Returns GSM model version and signal strength. |
| 1234 CODE | | Changes the code 1234. Will not affect 1234 AIRT, TC1, TC0, VER. |
| Renaming input strings/text (zones) | | |
| | | The new SMS text must not be longer than 19 characters, including spaces, commas, etc. <u>Example:</u> If you want input 1 to SMS “ John’s room ! ” instead of “Burglary” then: <ol style="list-style-type: none"> 1. SMS 1234 1 (one space between 4 and 1 and no space afterwards.) from your cellphone 2. You will receive the following return SMS back: Str 1 ? 3. Then send the following SMS: John’s room ! (Do not include 1234!) |

| | | |
|-----------------------------|-----|--|
| | | 4. You will get the following SMS back: Str1 OK. |
| | | TIP : If you rename Zone 1 to <u>Front door</u> via 1234 1, then rather rename it to <u>1-Front Door</u> . In future if you only want to switch off this zone, then you know you must send 1234 31. |
| 1234 1 | | Input 1 (Zone 1) |
| 1234 2 | | Input 2 (Zone 2) |
| 1234 3 | | Not allowed |
| 1234 4 | | Input 4 (Zone 4) |
| 1234 5 | | Input 5 (Zone 5) |
| 1234 6 | | Input 6 (Zone 6) |
| 1234 7 | | Input 7 (Zone 7) |
| 1234 8 | | Not applicable – Valid for the 7 and 8 zones SMS Alert Alarm systems. |
| | | *Panic is not rename-able |
| Output Relay Control | | |
| | | Anyone can operate the relays – you do not need to be a user, but you must know the code e.g. 1234 |
| | | *Relays will not pulse if it is already switched on. First switch it off. Pulse duration is about 1 second. Relays will remember their settings if the unit is re-powered. See further down in document for more information. |
| 1234 a on | | Switch relay A on – see 1234 14 |
| 1234 a off | | Switch relay A off – see 1234 14 |
| 1234 ap | | Pulse Relay A <u>once</u> - (For pepper gas purposes) |
| 1234 app | | Pulse Relay A <u>10 times</u> – Relay A only (For pepper gas purposes). |
| | | |
| 1234 b on | | Switch relay B on |
| 1234 b off | | Switch relay B off |
| 1234 bp | | Pulse Relay B once |
| | | |
| 1234 c on | | Switch relay C off, and system disarmed |
| 1234 c off | | Switch relay C on, and system armed |
| 1234 cp | | Pulse Relay C once – N/A |
| | | |
| 1234 d on | n/a | Switch relay D on (relay not fitted) |
| 1234 d off | n/a | Switch Relay D off |
| 1234 dp | n/a | Pulse relay D once |
| | | |
| 1234 e on | n/a | Switch relay E on (transistor output for external relay PCB) |
| 1234 e off | n/a | Switch relay E off |
| 1234 ep | n/a | Pulse Relay E once |
| | | |
| 1234 all on | | Switch all Relays on |
| 1234 all off | | Switch all Relays off |
| | | |

Quick Start Steps

1. **Preparing SIM-card** - Buy an MTN, Vodacom or Cell C starter pack (prepaid or contract) and RICA it (you need your id and proof of address for this). Ensure that you can send an SMS out from the SIM-card, before you put it in the SIM-card slot of the SMS Alert. Making a call to the SMS Alert only is not sufficient to test the SIM-card. PIN-code request must be deactivated before you insert the SIM-card into the SMS Alert.
2. **Airtime** - Ensure that the SIM-card has sufficient credit. Load airtime if necessary.
3. **Insert the SIM-card** into the SIM-card slot. Apply 12VDC.

4. SMS **1234 b** from your cellphone to the SMS Alert. Note the **yellow LED** will light up when B is active. This step tells the SMS Alert where to send SMSes when inputs are tripped. **There must be a space between 1234 and b. If you SMS 1234 b again, you will cancel user B. If you SMS 1234 b again, you will reload user B. (In other words you will toggle it on & off).**
5. The SMS Alert will respond to step 5 by sending its status back to you (e.g. ARMED B- - -, #0000 #00000000). Ensure the character "B" appears in the SMS to show user B is loaded. The string means the following:

| | |
|-------------------|--|
| ARMED | System is armed. |
| B- - - | User B loaded only. Users C, D and E are not loaded. |
| #0000 | Relay B is switched on. Relay A and C are off |
| # 87650001 | Inputs 8,7,6,5 are on / tripped. |

 Do not confuse the letter B with the letter B under the relays.
6. **Trigger input 1 (Zone 1)** - Apply a continuous negative (NC) to input 1 for about 20 seconds, then remove the negative anytime thereafter and the input will trip. The green LED will go on for 1 second to indicate that a SMS is being sent. You will receive an SMS **Zone 1**. You have just simulated a PIR connected to input 1.
7. **Jumper setting:** -T sets inputs 1 to 8 to negative trip and +T to positive trip required to send SMSes.

How to program the SMS Alert to report to a 2nd, 3rd or 4th cellphone

(ARMED ON B- - -, #0000 #00000000)

VERY IMPORTANT: THE 1ST 5 USERS WILL RECEIVE ALL THE SMS'S. THE LAST 5 USERS WILL RECEIVE PANIC SMS'S ONLY. (SMS ALERT 9 ALARM PLUS VERSION 10.4 AND LATER).

There are 10 users: B,C,D,E,F,G,H,I. Follow step 5 of Quick Start Steps to activate user B which is the first user. If you want the SMS Alert to report to the 2nd cellphone, SMS **1234 c** from the second cellphone to the SMS Alert. To toggle this feature off, SMS **1234 c** again from any cellphone to the SMS Alert. The last phone that toggled a user on, becomes that user. **E.g: 1234 c** (There **must be one space** between **1234** and **c**, and no spaces afterwards. Do the same for **1234 d** (3rd), and **1234 e** (4th). User B must be ON for the other users (if loaded) to also receive SMS messages.

New function to add cellphone numbers:

In conjunction with the current method of loading numbers the following command allow users to be loaded from one point/cellphone. This eliminates the need to send a SMS from each cellphone handset that needs to be added.

When a DOT and phone number is placed after the current command, the phone number will be loaded into that position. The return SMS will be sent to the new cellphone number, not the cellphone number that loads it. You can however check if all the numbers are loaded, by sending **1234 r** to the cellphone number of the SMS Alert.

Example: To load 27821231234 into User B, send the following SMS from one cellphone, to the cellphone number of the SMS Alert:

1234 b.27821231234 (only use 1234 b,c etc., with no phone number if it is not a remote number)

or

1234 e.27821231234

If a user is already loaded, then the command will first delete it (toggle off). It then needs to be sent again. The international setting must be activated for use outside of SA before this can be done (not tested). If it fails, then revert back to the current method. Applicable to the GSM module marked Version 2.5 and up.

****Note:VER 10.2 and upwards reports to 10 people, the last 5 positions only receives Panic SMSes – ask for this version****

Please keep track which user is loaded as B, C, D etc. Otherwise all users/numbers will be deleted when you want to load or delete users, and you cannot remember which person is assigned as which user.

How to operate the Relay outputs

(INPUT ON B- - -, #0000 #00000000)



The three Relay outputs A, B and C (not the same as users B,C,D,E) can be used for anything that requires remote controlling/switching. For example to switch machinery and equipment on and off or to open a gate, or to switch your alarm on and off. For example to SMS **1234 a on**. There must be one space between **1234** and **a** and **on**. The alpha characters (a on) must all be lower case. A 4th on-board relay (D) can be added and one external relay.

See command summary on p. 6 on how to control relays.

PLEASE NOTE RELAY C CANNOT BE USED FOR ANYTHING ELSE. ITS PURPOSE IS TO INDICATE IF THE ALARM IS ARMED OR DISARMED VIA A PILOT LED.

Arm / Disarm Methods

| | |
|--------------------------|--|
| Use the key Input | Apply a positive 12V pulse to the Key input (NO), for example via a Sherlo receiver. |
| Via your cellphone (SMS) | <p>Arm - 1234 c on Disarm – 1234 c off Only the sending phone will receive a response back.</p> <p>For all users to receive an Arm / Disarm SMS when armed via SMS, use relay A to pulse the key input. All users must then use 1234 ap for arm and disarm.</p> |

*Relay C can be used to light up a LED to indicate if the system is armed or disarmed.

*Relay C is Positive internally connected to the **C Com** connector.

*To make Relay C complete Volt-less “dry contact”, de-solder the 2 solder links at the bottom of the PCB.

Split / Bypass operation (via black loop wire)

Zones 5,6 and 7 can be included or bypassed via input 8, as a group. When input 8 is negative, all zones e.g. 1-7 will report an alarm event. When input 8 is not negative, zones 5 to 7 are excluded / bypassed and will send an SMS or trip the siren. Input 8 therefore includes/excludes zones 5 to 7 during normal operation.

Auto-Answer (silent listen-in)

This applies to SMS Alerts fitted with a microphone. By default Auto-Answer is on. When you dial the SMS Alert from any cellphone, the unit will ring twice silently, pick up the call and you will be able to hear surrounding noises via the microphone. To switch off auto-answer (when you don't want someone to listen in) – **SMS 1234 TC1** (1 = a digit). To switch it back on **SMS 1234 TC0**.

Siren

If user B is enabled (yellow LED on) and the unit is armed, the siren output will trigger for 1 minute and then reset. E.g. the siren will switch off (time-out) after 1 minute or if the system is disarmed. The siren will **switch off** when a call is made to listen in.

Loading & checking airtime balance

| Service Provider | Function | SMS to be sent to SMS Alert |
|------------------|--|--|
| MTN | Load Voucher | 1234 AIRT*141*voucher# |
| Vodacom | Load Voucher | 1234 AIRT*100*01*voucher# |
| Cell C | Load Voucher | 1234 AIRT*102*voucher# |
| Virgin | Load Voucher | 1234 AIRT*102*voucher# |
| Vodacom | Check Bundle SMS balance | 1234 AIRT*111*502# |
| Vodacom | Transfer airtime from one cellphone to another | Register or log in to My Vodacom, or dial *111# and select "Airtime Transfer". |



| | | |
|-----|--|--|
| MTN | Transfer airtime from one cellphone to another | Dial *141*6328*, insert the recipient's cellphone number, *, insert the rand amount, # and press call. For example, *141*6328*0831234567*50# press call. |
|-----|--|--|

Airtime on prepaid SIM-cards can also be checked by registering the cellphone number of the SMS Alert on www.vodacom4me.co.za (for vodacom) or the applicable Service Provider's website.

Airtime can also be loaded via internet banking, an ATM, or by removing the SIM-card and putting it in your own personal phone using the voice method.

****Disconnect the power from the SMS Alert when the SIM-card is removed.**

SMS Alert Cellphone App (currently only for Android phones)

To download our SMS Alert app to your cellphone (currently only Android phone), please visit our web site at www.smsalert.co.za. On the left-hand side of the home page, underneath the SMS Alert logo, there is a link you can follow. Please note the link must be followed with your cellphone (not your PC), to download it to your cellphone.

Because it is a new app, it is not yet available from the Google Play store.

An app for iPhones is being developed.

General information

| | | |
|---|--|---|
| 1 | Panic Input | 24h active – User B must be loaded. |
| 2 | Key Input | Arms and disarms all the zones. |
| 3 | Green LED | Indicates when the SMS Alert is sending an SMS. The LED will stay on for 3 seconds. If the light is flashing, a problem exists. See troubleshooting. After 2 minutes the SMS Alert will attempt to reset the flashing LED. |
| 4 | Yellow LED | Indicates user B is active, and the SMS Alert will at least report to user B. User B is the main user, and if it is off, C, D and E won't work even if they were toggled on. |
| 5 | Red LED | Indicates if the system is armed or disarmed. |
| 6 | SIM-card type | When last tested, the SMS Alert accepts MTN, Vodacom or CellC SIM-cards. contract or prepaid. |
| 7 | Finding out what the cellphone number of the SMS Alert is | Put the SIM-card of the SMS Alert into your cellphone and dial the following numbers: MTN: *123*888# Vodacom: *111*501# Telkom / 8ta: *1# Cell C: *147*100# |

Technical Specifications

| | | |
|---|--------------------------|---|
| 1 | Power supply | 9 - 14VDC volt DC, 500mA (milliamps). An in-line batter is preferred for smooth power. Power supply must be doubled-up. |
| 2 | Power consumption | Standby current 30 – 50mA, 400mA peak when SMS is send or received. |
| 3 | Users | The inputs can report to up to 4 users B,C,D and E. |
| 4 | Relay contacts | 10A / 124VAC – It is not recommended to switch 220VAC unless you are a certified electrician. |
| 5 | Inputs | Inputs 1 – 8 optically isolated and negative or positive trip selectable via jumper. The Panic input can only be tripped negatively. Rename another input to Panic if only a positive |

| | | |
|---|--------------|--|
| | | signal is available. Input 3 is a dual state input – It trips on both signal conditions. Inputs are buffered control for simultaneous triggering. Key input – NO positive pulse trip. |
| 6 | Siren output | 1.5 A transistor emitter output. |

Fault finding / Troubleshooting

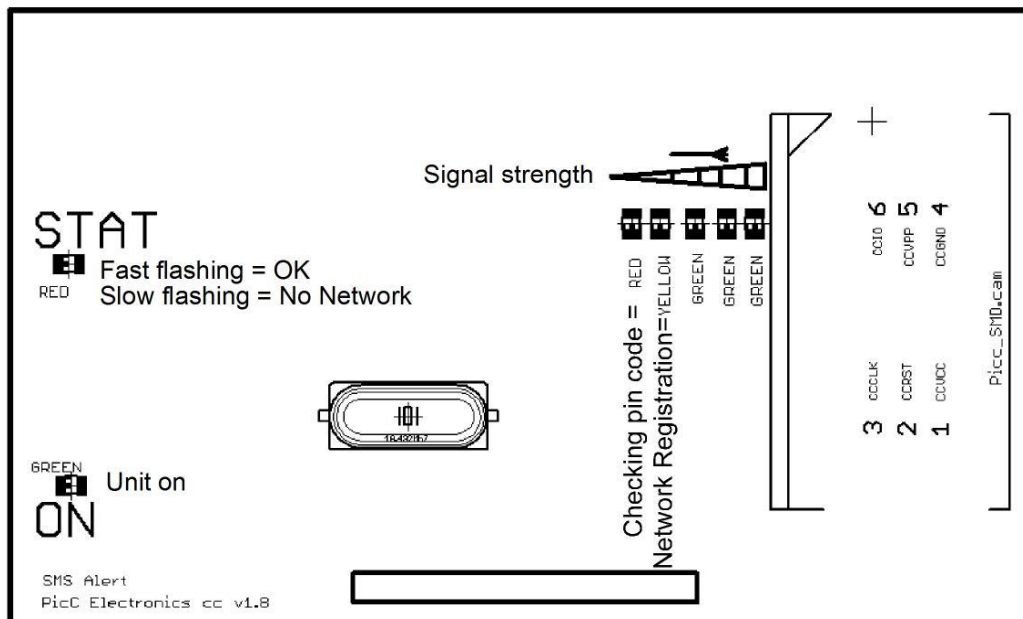
| | | |
|---|--|--|
| 1 | No or bad cell phone signal | Ensure the SIM-card holder contacts are clean. Use an earbud. Try to use an external aerial (available from supplier). |
| 2 | Flashing green LED | Re-power the SMS Alert system. This happens when the SMS Alert's power is connected (reset) three times in a short period. The automatic reset recovery is then disabled to protect the phone until power is removed and applied again. The SMS Alert will also attempt to reset itself after 2 minutes. |
| 3 | Other equipment used in conjunction with SMS Alert | It is not recommended that other receivers, transmitters or equipment be kept inside the SMS Alert box. |
| 4 | Ad-hoc behaviour | Ensure that a very good / smooth Power Supply Unit (PSU), or power from the alarm panel is used where florescent tubes or machinery are not in the proximity of the SMS Alert. Auxiliary outputs on panels do not provide sufficient power. |
| 5 | The green light goes on but no SMS is received | Ensure the SIM-card is properly registered. Insert the SIM-card in your own personal phone and call e.g. MTN (141) or Vodacom (100) to clarify the problem. Check your airtime. Make sure you can manually send a SMS. |
| 6 | Resetting the system | Disconnect and reconnect the power from the SMS Alert. The unit can unfortunately no be defaulted. |

Antennas for poor reception:



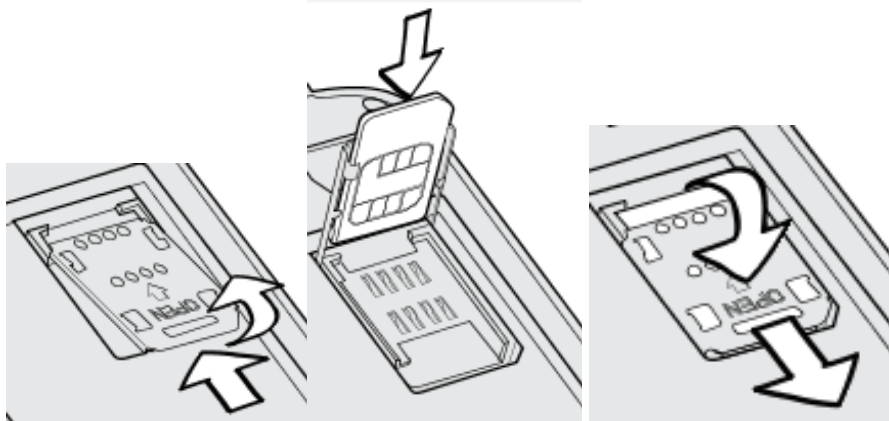
3 meter Antenna available for external GSM reception, or poor reception

Diagram for GSM Module PC Board (where SIM-card slots in)



SMS 1234 AIRT for prepaid airtime balance. Does not report bundle SMS balance. South Africa only.

Inserting the SIM-card on the PC Board



A

B

C

1. A - Push/slide flap in the same direction as the board (about 1- 2 mm).
2. A - The flap will unlock, lift the flap.
3. B - Insert SIM-card.
4. C – Close flap, while pressing it down, slide it back to lock (about 1 – 2 mm).

Installation advice / help

1. You don't have to have an existing alarm panel to connect this unit to; it can function on its own (use SMS Alert 9 if you have an existing alarm panel)
2. Do not connect the power of the SMS Alert to an **auxiliary 12V power output**. It is best to connect the SMS Alert **directly to, and within 1 meter from the 12V battery** where the power is best regulated.
3. External magnetic antennas are available for **better reception**. It may be required where the signal reception is poor, or where the system is installed in a metal container that prevents signal reception.
4. Try to keep the SMS Alert at least **30cm** away from other equipment like **receivers, transformers, energisers**, etc., that may cause interference.
5. It is strongly recommended that **Mylar cable** (shielded with foil) is used for **Electric Fence** applications. Both the power and inputs on the SMS Alert must use Mylar cable. Without this cable the SMS Alert might seem to work fine, but problems may be experienced 2 weeks later. Also ensure **high voltage wires** do not cross the SMS Alert wires.
6. The SMS Alert should work **outside of SA**, however limited testing was done for this purpose.
7. The SMS Alert is **not built for a specific alarm panel** and may have other applications like pump control and monitoring, cable theft, electric fence monitoring, opening/closing a gate, etc.
8. In very few cases, when SMS commands are **not recognised by the SMS Alert**, check that the user's Text Message settings on his/her cellphone are set to 'Text mode' or 'Full Character Support' (under message options).



9. It is recommended that the SMS Alert be **tested** on a regular basis, for example by sending it a status request (1234 r). This will also cause a transaction that may prevent the SIM-card from expiring if it is seldom used.
10. Always keep the inside of the **SMS Alert box clean**, with the minimum amount of unnecessary wires.
11. Do not apply **excessive force** with tools on the connector terminals to prevent break-offs.
12. To keep your number active, you should send an SMS (1234 r) at least once **every 7 months (Vodacom) or 3 months (MTN)**, or as specified by your cellphone service provider.

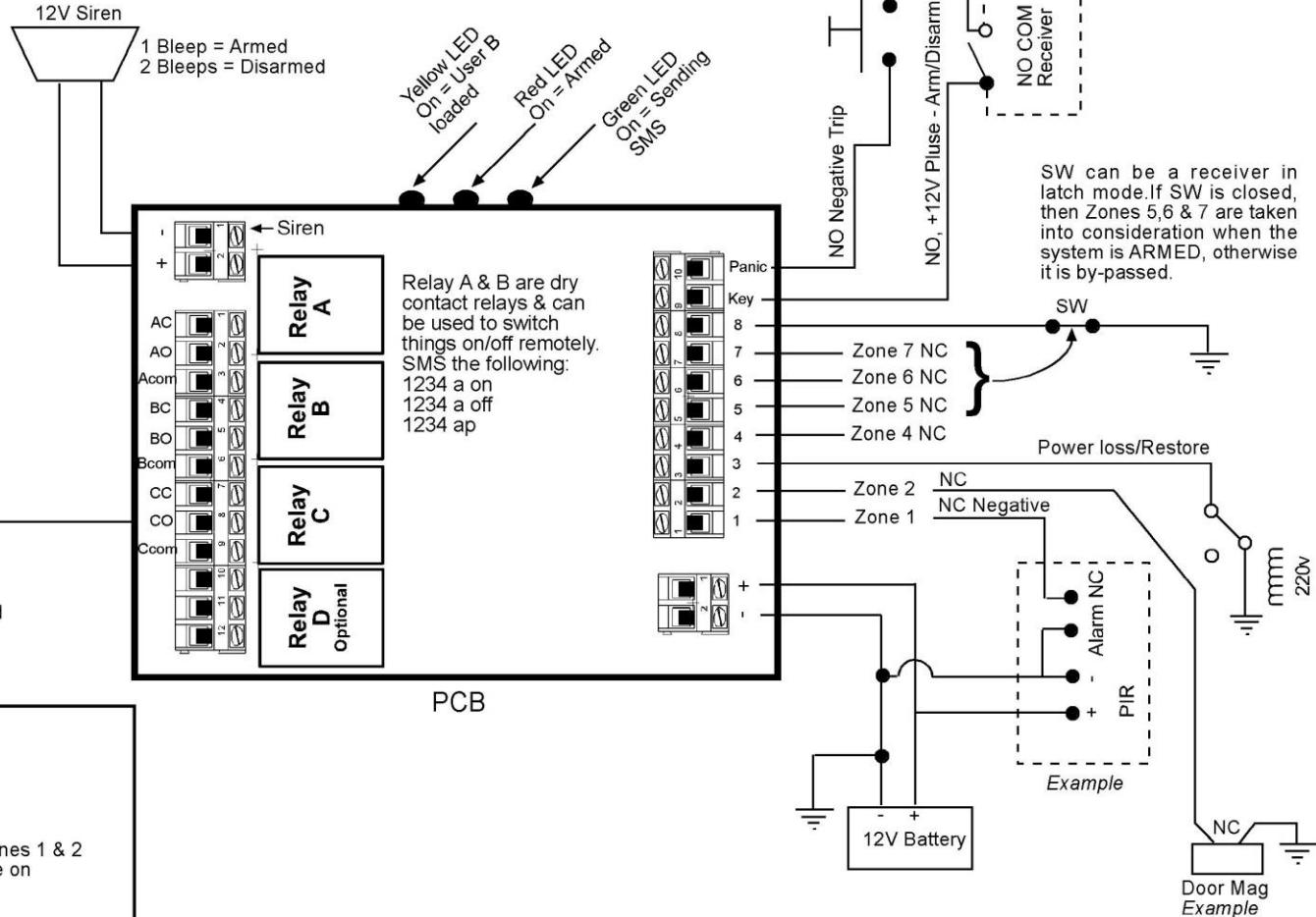
Support:

1. Additional requests can also be emailed to info@smsalert.co.za.
2. For software/hardware updates, please visit www.smsalert.co.za.
3. **For support, phone us on 083 235 4916.** Please note that your first point of call must be your supplier or installer. If they are unable to help you, we will be more than happy to assist.

Disclaimer:

PicC Electronics will not be held responsible for loss, damage or injury to any persons, company or legal entity using PicC Electronics products or for GSM Network changes or reliability. There is no guarantee that SMS's will always go through. It is recommended that a prepaid SIM-card is used, or that a process is in place to cancel or stop the SIM-card, or to limit SMS's - should a malfunction occur where many SMS's are sent and unforeseen costs are incurred. It is recommended to test your SMS Alert on a regular basis. A product of PicC Electronics must be installed by an installer trained by PicC Electronics or with relevant installation experience.

SMS Alert 9 Alarm Plus - Wiring Diagram



Walk Through Test
 SMS 1234 t and the siren will beep when the zones change state.

LED On = Armed
 LED Off = Disarmed (Optional)

Meaning of return SMS:
 'Armed, BC--, #AOC, #1200078'

System armed
 Two users loaded
 Relays A & C are on
 Zones 1 & 2 are on

- Relay C is dedicated for a pilot LED only.
- There are solder joints under the PCB if you don't want 12V to go through the relay.
- CO is connected to 12V internally and will switch on if the system is armed.

The zones will trip when a closed circuit (NC) is applied for at least 30 seconds and the circuit is then broken. This prevents multiple SMS's being sent when an alarm goes off.