Made In Britain

Addition of an SMS Text Messaging Alert PCB

Operation Manual

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1) Operation

The unit is a simple low cost text messaging system using the mobile phone network. The unit will send a text message "Zone 1 Triggered" to one or two mobile telephones including land line telephones when one triggered. No phone lines are required just a SIM card from a mobile phone company that the users chooses. Programming is simple and only requires the user to phone the unit from the phone or phones that needs to receive the message. Once the unit receives the phone call it stores it in memory. The only thing to do then is add the location words i.e. "Plant room leak alarm" in the mobile next with the units phone number. **To increase system reliability, it is recommended not to use prepaid SIM cards. The system would fail to send any messages upon depletion of prepaid account. Also it is recommended to disable call forwarding and voice mail**

The unit works over GSM network. It works 24/7, i.e. it always reacts to an alarm signal. When an alarm is raised, the system will send an SMS message or calls both USER1 and USER2. A second way of programming the unit for USER1 and USER2 is to enter the phone numbers manually into the SIM cards memory. Users phone numbers must be entered under names "USER1" and "USER2". Any number format can be used, for example +37011111111, 861111111 or even short numbers like 111. Users can choose which way the system informs about triggered zones. By default, SMS mode is enabled and SMS message with the name of the triggered input (zone) is being sent to both users (for example – ,Triggered ZONE1' or ,Triggered ZONE2'). When triggered zone is restored, the system sends SMS about restored zone and turns back to the previous status for example – ,Restored ZONE1' or ,Restored ZONE2'). If system calling mode is enabled, at first the system will call to USER1 and then to USER2. If user answers to the system call, it will last for 10 seconds and then system will hang up.

The system will ignore calls coming from unknown telephone numbers, If the user calls to the system it will answer the call. This function is useful to check if the system is working correctly.

2) Programming users on the SIM card using a mobile phone

The SIM card should be inserted into the phone. The two user numbers must be entered into the SIM card memory under "USER1" and "USER2" (no spaces) These should be entered into the SIM phone book in your mobile phone. It is also possible to enter User1 only. The SIM should then be inserted into the unit.

3) Programming users 1 by phone call

The SIM card should be entered into the unit when it will look for USER1 and USER2 numbers in the cards memory. If the system cant find any users, it waits for a phone call, answers the call and saves the phone number as USER1. ***NOTE: using this method will only allow User1 number to be programmed.***

4) Programming USER2 by SMS text message

The SIM card should be entered into the unit USER2 can be programmed from USER1 phone by sending a text message to the unit "NR2: followed by the phone number i.e. NR2:07012345678. **NOTE: This method can only be used from authorised User1 number. If no numbers have been programmed into the SMS unit this method will not work.**

5) Removing phone numbers

You can only remove phone numbers by using *2)* above.

6) Changing User1 or User2 Phone numbers

Phone numbers can be change using *2)* above or a text message can be sent from USER1 or USER2 phones. To change the USER1 phone number send a text message to the SMS unit "NR1: followed by the new phone number i.e. NR1:07012345678. To change the USER2 phone number send a text message to the SMS unit "NR2: followed by the new phone number i.e. NR2:07012345678.