

G.M. Advanced Fencing & Security
Technologies Ltd



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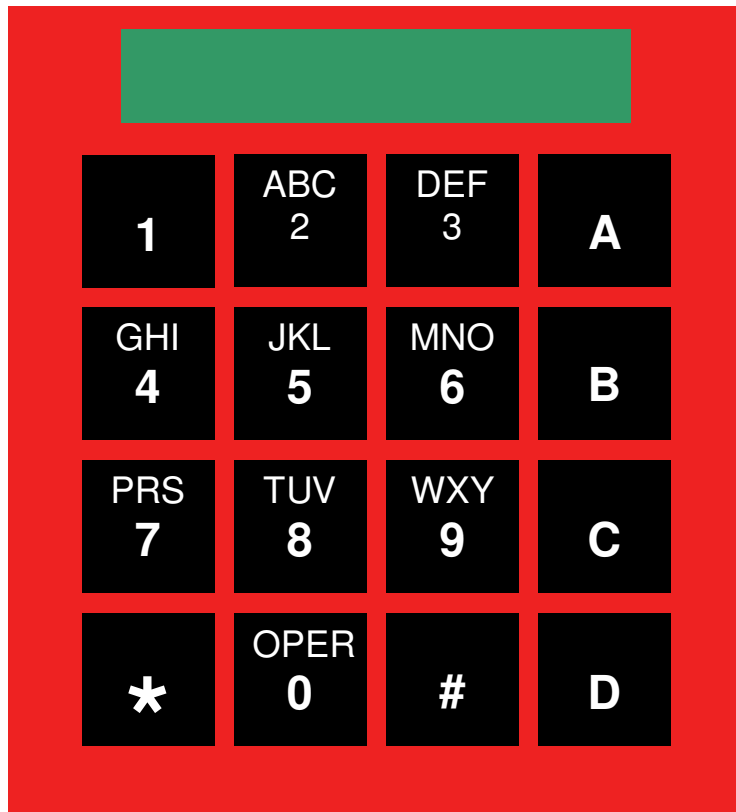
1. Introduction

- 1.1. The SENSOR LOADER is a tool that is used by the installer to for the following:
- 1.1.1. Scan the V-Alert Sensor Line
 - 1.1.2. Set the sensor numbers of the V-Alert Intrusion Detection System.
 - 1.1.3. Read the V-Alert Sensor Data Values.
 - 1.1.4. Change (Write) the V-Alert Sensor Data Values.
 - 1.1.5. Restore the V-Alert Default Settings.
- 1.2. V-Alert Sensors are typically supplied in sensor lines consisting of 10 sensors numbered 1 to 10. If more than 10 sensors are to be used you are required to change the sensor number so that the sensors are numbered sequentially from 1 to a maximum of 50 in any one sensor line.

2. Key Functions

The following table summarises the functions of all the buttons of the SENSOR LOADER:

SWITCH ON	PRESS A
SWITCH OFF	PRESS *
*	OFF
#	ENTER
A	ON/YES
B	NO
C	ESCAPE
D	DELETE
SCREEN	AFTER 30 SECONDS THE SCREEN LIGHT WILL BE EXTINGUISHED
	AFTER +/- 4 MINUTES THE UNIT WILL SWITCH OFF AUTOMATICALLY

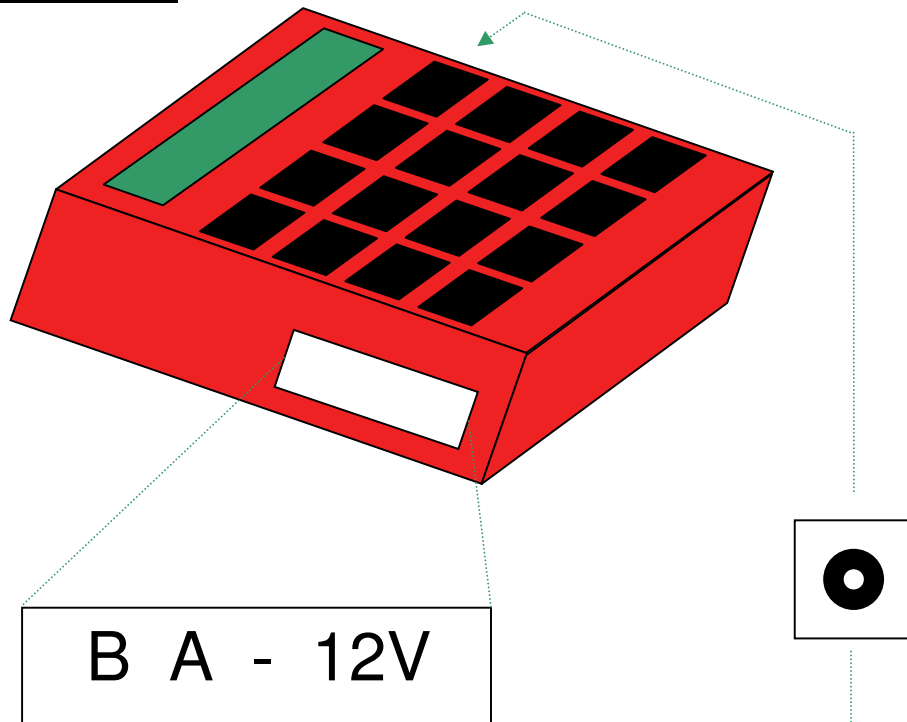


3. Connection to V-Alert Sensor Line

Connect a sensor line to the designated terminals on the left hand side of the SENSOR LOADER as seen in the diagram and table below.

CABLE COLOUR	CONNECT TO TERMINAL
BLUE	B
WHITE	A
BLACK	- (NEGATIVE)
RED	12 V (POSITIVE)

CONNECTIONS



The SENSOR LOADER is supplied with a power supply that can be connected to the mains power supply to charge the battery inside the SENSOR LOADER

4. Operation

- 4.1. Connect a sensor line to the SENSOR LOADER

CABLE COLOUR	CONNECT TO TERMINAL
BLUE	B
WHITE	A
BLACK	- (NEGATIVE)
RED	12 V (POSITIVE)

- 4.2. PRESS A to switch the SENSOR LOADER ON:

**SENSOR LOADER
VERSION 1.0**

LCD SCREEN

Will be followed after a few seconds followed by:

**SCAN SENSORS
PRESS #**

LCD SCREEN

- 4.3. PRESS # to SCAN SENSORS:

**SCAN SENSORS
PRESS #**

LCD SCREEN

- 4.4. The SENSOR LOADER SCANS THE SENSORS:

SCANNING

LCD SCREEN

- 4.5. The following scan result will be received (NUMBERS DEPENDENT ON THE ACTUAL NUMBERS FROM THE SENSOR LINE CONNECTED TO THE SENSOR LOADER):

**FIRST SENSOR 1
LAST SENSOR 10**

LCD SCREEN

If no sensor line is connected to the SENSOR LOADER then the following text will appear:

**THERE ARE NO
SENSORS CONNECTED**

LCD SCREEN

- 4.6. After a few seconds the following text will appear intermittently on the LCD SCREEN:

**SCROLL UP – (2)
SCROLL DOWN – (8)**

LCD SCREEN

- 4.7. The following options will appear on the LCD SCREEN as you scroll up or down.

WRITE SENSOR

**WRITE SENSOR
PRESS #**

LCD SCREEN

- 4.8. READ SENSOR

**READ SENSOR
PRESS #**

LCD SCREEN

- 4.9. CHANGE FIRST SENSOR

**CHANGE SENSOR
ADDRESS PRESS #**

LCD SCREEN

- 4.10. RESTORE SENSOR DEFAULT

**RESTORE SENSOR
DEFAULT PRESS #**

LCD SCREEN

5. READ SENSOR

5.1. Press

SENSOR NUMBER _
ESCAPE PRESS C
DELETE PRESS D
ENTER PRESS #

LCD SCREEN

The chosen sensor number's X1, X2, SPAN X values followed by the Y1, Y2, SPAN Y values will be displayed on the LCD screen.

6. WRITE SENSOR

6.1. Press

SENSOR NUMBER _
ESCAPE PRESS C
DELETE PRESS D
ENTER PRESS #

LCD SCREEN

It is possible to change the chosen sensor number's X1, X2, SPAN X and Y1, Y2, SPAN Y values.

Each data value starting from X1 will appear on the LCD screen.

Entering the new data value will change the number appearing in the LCD screen. In the example below you can change X1's data from 40 to any other data value and then press # to enter the new value.

X1 = 40
ESCAPE PRESS C
DELETE PRESS D
ENTER PRESS #

LCD SCREEN

The next data value X2 will appear on the screen and you are able to change the data value in the same way.

The data values appearing on the screen after X1 and X2 are:
 Y1, Y2 , SPAN X and finally SPAN Y.

After completing any changes to the sensor values from X1 through SPAN Y, the following will appear on the LCD screen:

ARE YOU SURE ?
YES = A / NO = B

LCD SCREEN

If you pressed A, then the following will appear on the LCD screen:

**WRITING
PARAMETERS...**

LCD SCREEN

If you pressed B, or after writing the new data values the LCD screen will revert to:

**WRITE SENSOR
PRESS#**

LCD SCREEN

7. CHANGE FIRST SENSOR

7.1. Press

**CHANGE FIRST
SENSOR PRESS #**

LCD SCREEN

The following will appear on the LCD screen after pressing #:

**NEW NUMBER IS _
ESCAPE PRESS C
DELETE PRESS D
ENTER PRESS #**

LCD SCREEN

Enter the new number and press #. The following LCD screens will appear :

**ARE YOU SURE ?
YES = A / NO = B**

LCD SCREEN

Press A:

**CHANGING
ADDRESSES**

LCD SCREEN

**FIRST SENSOR _
LAST SENSOR _**

LCD SCREEN

If you chose not to change the first sensor number by pressing B then the LCD screen will revert to the following:

**CHANGE FIRST
SENSOR PRESS #**

LCD SCREEN

8. RESTORE SENSOR DEFAULT

8.1. Press

**RESTORE SENSOR
DEFAULT PRESS #**

LCD SCREEN

The following screen will appear after pressing #:

**ARE YOU SURE ?
YES = A / NO = B**

LCD SCREEN

Pressing A will restore the default values. The following screen will appear:

**RESTORING TO
DEFAULT**

LCD SCREEN

After the values have been restored to default or after pressing B the LCD screen will revert to:

**RESTORE SENSOR
DEFAULT PRESS #**

LCD SCREEN

All the data values except for the sensor number (if it has been changed) will be restored to the default values.