

## To use the unit with the magnetic contact with/without the vibration function

The gap between the magnetic contact and the alarm should be within 10mm so that the contact and the alarm are close together when a door or window is closed. The magnetic contact can be installed on either the left or right hand side.



Follow the instructions under Vibration Function to deactivate or activate as required.

## Operation of the alarm

### When exiting from the protected area

Press the number '4' on the keypad and the alarm will sound a tone to indicate that the alarm is armed. You have 30 seconds to vacate the area, the red LED will flash once when the alarm is active. After this time, if the magnetic contact is broken, you have 5 seconds to enter your PIN. If no PIN is entered the alarm will sound for 30 seconds, then pause for 5 seconds. This will be repeated until your PIN is entered or the magnetic contact is closed.

### If vibration is detected

When vibration is detected the alarm will sound for 30 seconds, then reset for 5 seconds. If vibration is detected again the alarm will sound for 30 seconds. This will be repeated

until vibration stops or your PIN is entered.

### When entering the protected area

Simply enter your four digit PIN code (default factory code is '1234') within 5 seconds of entering the area. The unit will sound a tone to confirm the alarm is disabled.

## Care and maintenance

To clean the case, use a soft, slightly damp cloth with water and wipe dry. Never use chemicals to clean the case, as they may damage the plastic and cause the alarm to fail.

## WARNING

The high output siren fitted to this quality alarm may cause ear damage if used at close range for a prolonged period of time. Keep away from children and pet's ears.

This product is designed for use as a deterrent; it does not guarantee protection or personal safety.

## CAUTION

- When testing the alarm, make sure you hold it at least at arm's length away from your ear.
- The power source has a finite/limited life.
- DO NOT MODIFY THE ALARM.
- The alarm should be kept out of reach and audible range of children and pets.

NOTE: Performance may be adversely affected following prolonged exposure to extreme temperatures.

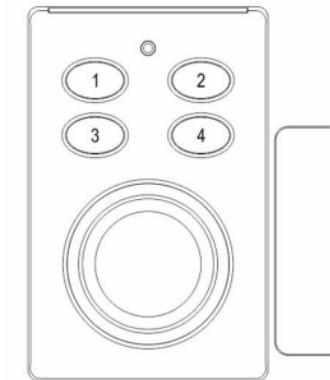


**Defender®**

## Shock/Contact Alarm

Dual Function Alarm

Product Code: EL00147



## Defender Security Products

Unit 40  
Manor Industrial Estate  
Flint, Flintshire  
CH6 5UY



**Defender®**  
SECURITY PRODUCTS  
Your Safety is Our Expertise

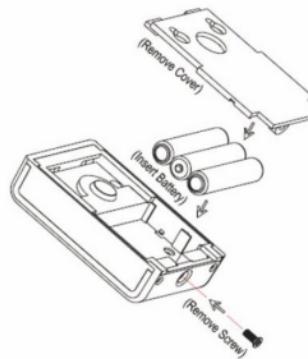
## Introduction

The Defender Shock/Contact Alarm is a dual function 130dBs alarm. The alarm can be triggered when vibration is detected or when the door/window is open and the magnets are separated. The vibration function can be disabled so the unit will only trigger when the door/window opens. The alarm is for indoor use only.

## Battery installation/replacement

The battery compartment is accessed from the back of the alarm by removing the screw at the base of the unit and pulling up the back cover. Insert 3 x AAA batteries, noting the correct polarity. When the last battery is inserted, the alarm will beep to indicate the batteries have been installed correctly. Replace the back cover and screw. The unit has a solar panel which helps to prolong the battery life of the unit; the batteries should last up to 18 months. It is recommended that the alarm is tested regularly. If the alarm sounds weak, the batteries should be replaced. The alarm has a low battery indicator located at the top of the alarm, if this is showing, the batteries should be replaced.

NOTE: the alarm must be re-programmed with your PIN code each time the batteries are removed or replaced.



## Program your alarm before installation

NOTE: the first digit of your PIN can't be '4', and the last three digits can't be '111' or '222'. If these are entered, the code will not be set and the alarm will return to disarm mode.

### To set your PIN code

The PIN code can be modified when the unit is in 'disarm' mode by:

1. Input the default factory PIN code 1234, the red LED will flash.
2. Enter your new four digit PIN code.
3. The red LED will flash three times to confirm your new code has been set successfully. The unit is still in disarm mode.
4. If the procedure is not completed successfully within 30 seconds, the alarm will return to disarm mode.

## Vibration function

NOTE: when batteries are installed and replaced the vibration function will be activated.

### Deactivating the vibration function

1. With the alarm in disarm mode, enter the PIN code, followed by code '111'.
2. The red LED will flash three times to confirm the vibration function is deactivated.
3. The unit will now be in disarm mode.

### Activating the vibration function:

1. With the alarm in disarm mode, enter the PIN code, followed by code '222'.
2. The red LED will flash three times to confirm the vibration function is activated.
3. The unit will now be in disarm mode.

## Installation

### To use the unit as a vibration alarm with the vibrations function activated

The unit can be secured either with adhesive tape or with screws. To install with adhesive tape, simply stick the tape to the desired location and attach the unit.

To install with screws, remove the back plate of the alarm by removing the screw in the base of the alarm. Using the screws provided secure the back plate in the desired location. Then attached the alarm to the back plate and replace the screw.