

# Instructions Bed Pressure Mat - (PMB)

FREQUENCY PRECISION®

airlert®

www.pressuremat.com

## A pressure-sensitive mat to alert to bed leaving

The Airlert™ Bed Pressure Mat alerts as soon as someone gets out of bed. The mat is positioned under the mattress and is full length for increased comfort and reduced false alarms.

### What's Inside

Your bed pressure mat is supplied either to plug into your existing call system (Plug-Matched) or wirelessly linked to our pagers (Pager-Linked). Each consists of a rolled up full-length foam mat and a battery powered control box. These plug together using the black airtube. The Plug-Matched package will also contain a matched lead to connect into your call system.



Bed Pressure Mat



Control Box

### How it works

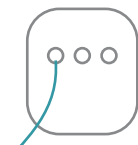
The air-filled pressure mat is placed under the mattress and is connected to the control box. As someone gets out of bed the reduction in air pressure in the pressure mat is detected by the control box. The red light on the control box turns on and the alert is triggered.



Control box  
Attaches to bed using  
velcro or protective  
rubber case



If you have a  
Plugmatched  
system your control  
box plugs into your  
existing call system



If you have a  
Pager-linked system  
your Control box  
sends the signal to a  
pager.



### Bed pressure mat

Positioned under mattress and works with all types of profiling and pressure relieving mattresses.

## Installation Instructions Continues overleaf...



**1 Unroll the mat.** When newly opening allow the mat to inflate for at least 20 minutes before connecting the air tube.



**2 Plug in and set the control box.** Connect the air pipe to the control box and switch to bed.

**3 Check the batteries.** Check the batteries are in place in the compartment on the back of the control box.

### Control Switch

This switch turns the control box on and sets it to monitor either a bed or chair mat. Make sure it is switched to 'Bed'. Your control box can do both Bed and Chair sensing. Additional mats can be purchased from us.



### Jack socket

For Plug-Matched sensors the control box is plugged into the call system via this jack socket using the supplied cable.

### Jack socket

For Pager-Linked systems, this socket provides an additional socket for an optional call bell or floor pressure mat.

### Sensor Socket

Socket to connect the pipe from the mat. Plug in the black airtube between the mat and the control box by sliding the end firmly over the proud airpipe. Ensure it is not bent or crushed to allow clear airflow.

call 01837 810 590

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- 4 Position the control box.** The control box can be positioned on the bed or a wall using the optional rubber case. It can also be attached with the supplied velcro sticker.



The rubber case is supplied with reusable rapstraps which can be attached by feeding them through part of the bed and pulling them until tight.



Alternatively the rubber case can be screwed onto a wall or bed using an optional metal fixing plate.



- 5 Position the mat.** Finally position the connected mat under the mattress.

## Problem Solving

**Connections** It sounds simple but it is important to check all the plugs and tubes are plugged in correctly. The jack plugs need to be plugged all the way in.

**Increase sensitivity** Our mats are supplied with a preset level of sensitivity. It is possible that from time to time you might need to increase the sensitivity if the mat is used by a very lightweight person or you need advanced warning. The sensitivity can be increased by folding the mat in half and positioning in the centre of the bed. Alternatively the control box can be returned to us for sensitivity adjustment.

**Mat inflation** When mats are new they can take a while to inflate fully. If your mat is not working correctly try letting it inflate whilst not under a mattress for one hour. Used mats not functioning correctly can also benefit from this treatment.

It can also help to do the following:

1. Allow the mat to inflate unplugged whilst not under the mattress.
2. Plug the airtube into the control box.
3. Finally place it under the mattress (ensuring it remains plugged in to keep the air in).

**Mat position** The mat is placed underneath the full length of a single mattress. For use with double beds the mat can be turned sideways and positioned centrally across both sides of the bed or placed on the side most commonly used. If the individual can only exit the bed from one side then try to position the mat on the exit side of the bed so that it is crossed as they exit the bed.

**Sitting up** By folding the mat in half it can be positioned in a localised area such as the top of the bed. This detects someone sitting up.

**Battery** The battery compartment is accessed by sliding off the rear panel on the back of the control box. Check that the battery in the control box is not flat. If you have a problem, try replacing the battery with 2x new AA Alkaline batteries. We recommend Duracell Alkaline batteries. Typically batteries in a plugmatched unit will last for roughly two years. Pager-linked units will last for 6 months depending on usage.

### Control Box Switch

Check that the switch on the control box has not accidentally been set to Chair or Off.

## Other Information

### Control Box Coding (Pager-linked Only)

Check the ID sticker on the front of the control box. It should correspond to the pager that you have. If you are having problems and you have a large, complex system it is possible that the control box is linked to a different pager. This is indicated through a colour coding system. A yellow ID sticker means it is linked to a pager with a yellow sticker.

**Cleaning** The mat contains no batteries or electronics since it is air operated. It can therefore be cleaned with detergent or mild chlorine solution as required. We suggest wiping with a disposable cloth using alcohol solvent, disinfectant or with warm soapy water. The black air tube can be removed at both ends and wiped as above or as a low cost item these may be replaced easily. The control box and pager receiver incorporate electronic components and should not be submerged but may be wiped with an alcohol solvent, detergent or mild chlorine solution as required.

**Safety** Remember, daily system tests should be carried out to ensure correct function of the unit. Usage should be incorporated within safety manuals and procedures. Range tests should be carried out at least once a week, more often if critical criteria apply. This should involve testing the unit past its required range. If the unit has been dropped or it is worn by a person involved in an accident the unit should be tested again before re-use.

**Care** DO NOT subject this equipment to: Mechanical shock, Excessive humidity, Extremes of temperatures, Corrosive Liquids.

This equipment is designed primarily for indoor use and is not water resistant. It must not be used in classified hazardous areas including areas containing explosive or flammable vapours. Consult your local product dealer for further information.

## Specifications:

### Control box - pager-linked:

Power supply	2x AA Alkaline Battery (Removable, not rechargeable)
Frequency	433.92MHz
Bit Rate	1200 - 7uV/M
Code format	POCSAG
Dimensions (pager-linked):	147mm x 88mm 25mm

### Control box - plug-matched:

Power supply	2x AA Alkaline Battery (Removable, not rechargeable)
Dimensions (plug-matched):	117mm x 78mm 24mm
Weight with battery	140g

### Bed Mat:

Dimensions(mm)	1900mm(L)x 670mm(W) x 28mm(thickness)
Weight	1Kg

### Compliance:

Hereby, Frequency Precision declares that the RE type SRD is in compliance with RED 2014/53/EU. The full text of the EU DoC is available at the following internet address: <https://www.frequencyprecision.com/pages/doc-documentation>

**Liability** Frequency Precision does not accept any liability for any damage or injury, howsoever caused as a result of misuse of this equipment. It is the responsibility of the user to ensure that the equipment is operated in the manner for which it was intended and that it is the correct item of equipment for the required task.

All systems can fail and it is the responsibility of the user to carry out regular tests and to determine the suitability of this equipment for any application.

**Repair and replacement** Frequency Precision will refund payment for any unit returned within 30 days of purchase as unsuitable for the intended purpose. Un-damaged units will be repaired free of charge within the first 12 months.

**Literature** Frequency Precision Ltd operates a policy of continual improvement and therefore reserves the right to modify and change any specification without prior notice.

While every possible care has been taken in the preparation of its manual, we do not accept any liability for the technical or typographical errors or omissions contained herein, nor for incidental or consequential damages arising from the use of the material.

**Disposal** At the end of the working life of the product it must not be disposed of with household waste but returned to Frequency Precision Ltd or disposed of at a collection point for the re-cycling of electrical and electronic equipment.