



A pressure-sensitive mat to alert when patient Sits-Up or leaves the Bed

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.

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.



Bed Pressure Mat



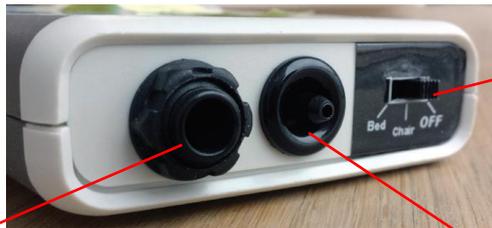
Control Box

Attach to bed using velcro or protective rubber case. The control box plugs into your call system



Installation Instructions

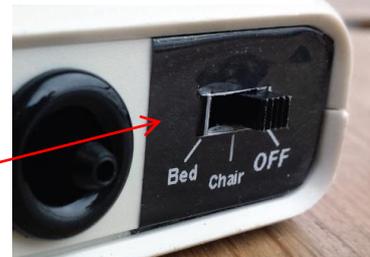
1. **Unroll the mat.** When newly unrolled allow it to inflate for at least 20 minutes before inserting into position.
2. **Plug in and set the control box.**



Jack Socket

For **Plug-Matched** sensors the control box is plugged into the call system using the supplied cable.

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.*

Socket to connect air pipe from mat.

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

3. Check the batteries are in place in the compartment on the back of the control box.
4. 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 rapsraps 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 the supplied metal fixing plate.

5.  Finally position the mat under the mattress. Place the mat in the centre of the bed. For added sensitivity place it nearest the edge where they are most likely to get out of bed. The mat can also be positioned above the mattress where necessary.



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 pre-set 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 a good few hours. 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 on the floor.
2. Plug the air tube into the control box,
3. Finally place it under the mattress (ensuring it remains plugged in to keep the air in).

Mat position: Generally the mat is placed underneath the full length of a single mattress. For use with double beds the mat should be positioned under the side most commonly used by the individual. 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.

Low Battery: Check that the battery in the control box is not flat. Try replacing the battery with 2x new AA Alkaline batteries. We recommend Duracell Alkaline batteries. We can supply these at trade prices. Contact us for details.

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.

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.

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.

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:

Bed Mat:

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

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

Compliance:

R&TTE Directive 1999/5/EC
EMC Directive(89/336/EEC) EN 301 489 -1 V 1. 4. 1
Low Voltage Directive (7323/EEC) EN60950 : 2000
ETSI EN 300 220-1 V2 (2006 – 04)
ROHS II compliant

Liability:

Applied Medical (Pty) Ltd 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 :

Applied Medical (Pty) Ltd will refund payment for any unit returned within 30 days due to a technical/manufacturing fault. Un-damaged units will be repaired free of charge within the first 12 months.

Literature:

Applied Medical (Pty) 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 Applied Medical (Pty) Ltd, or disposed of at a collection point for the re-cycling of electrical and electronic equipment.

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