



Technical Solutions Australia Pty Ltd  
ABN 14 063 349 502  
109 Ferndale Rd. Silvan VIC 3795  
PH (03) 9737 9000  
Fax (03) 9737 9111  
service@tecsol.com.au  
www.tecsol.com.au

## **Information Sheet**

**PROXI-MATE**  
*HPS-2 Pager*  
*(Bed or Chair Exit Alarm)*

**Cat. Number: HPS -PAGER**

The **PROXI-MATE** (Human Presence Sensor) is designed to alert carer when an 'at risk' individual rises unaided from a bed or chair. The system interfaces with any nurse call system that has a removable, plug in type, call bell pendant. When the monitored individual rises from the Sensor Mat the device activates the carer's portable pager.

### **Setup.**

There are three main components.

1. **The Sensor Mat** – this thin, flexible vinyl mat is placed directly on top of the mattress, across the bed, roughly where the resident's lower back is expected to be. The mat can be tied in place if necessary. The mat should be covered with a plastic sheet, draw sheet or kylie to protect it from damage and to prevent the resident feeling the mat through the bedclothes. For use with a chair simply place the sensor across the seat with the wire in an inaccessible place and cover with a sheepskin or kylie. (Note that the vinyl mat should not be creased or folded)
  2. **The PROXI-MATE Monitor Unit** – (the grey box) contains the electronics that monitor the mat and send alert signals to the pager.
    - The Interface Unit should be fixed to the wall immediately above the headboard.
    - It is important to keep the Interface Unit as close as possible to the mat – less than 1.5 metres is preferable.
- **The Portable Pager** unit, carried by the carer, alerts them when the monitored individual rises from the sensor mat.

### **Connections**

- The lead from the Sensor Mat is plugged into the appropriate socket on the bottom of the Monitor Unit.
- Plug the 12VDC plug pack power supply into the socket on the bottom of the grey Monitor Unit.
- An optional nurse call pendant or other switch that is suitable for the patient can be configured to plug into the 6.5mm socket on the bottom of the Monitor Unit – operating this switch will also activate the pager. (Contact Technical Solutions for advice)

### **Pager Battery**

- The Pager uses a standard 9Volt Alkaline battery. The Pager monitors the battery and when it is running low, very short beeps are heard from the pager about once every 2 minutes.

# PROXI-MATE Human Presence Sensor HPS-2 Pager (Bed or Chair Exit Alarm)

## Operation

- Ensure that ALL the lights are off. Settle the resident into bed (or on their chair)
- Now press the Yellow button and quickly remove your hand from the vicinity of the Interface Unit.
- The 'Power' Light comes on.  
The Alarm Light "A" flashes 3 times and then stays on - and Light "B" also comes on.
- Press the button on the Pager to turn it on – it will 'warble' and its light will flash every few seconds.
- The resident is free to move in the bed to a limited extent but once the resident rises from the bed (or chair) for longer than the allowed time period (see Notes) the alarm will be activated. The Alarm lights "A" & "B" will flash indicating the alarm.
- Once the Pager has been activated the resident should be attended as soon as possible.
- Reset the HPS-2 by pressing the Yellow button once – all lights will go out.
- Then turn the Pager off by holding pressed the button till it turns off.

When the system is working normally all three lights are visible when switched on – as well as the flashing light on the Pager

## Notes:

1. The HPS-2 is intended to be used as part of an effective risk management plan. It should never be relied upon, as a complete solution to your resident monitoring needs.
2. The location of the sensor box, relative to the person being sensed, is critical. The system will not operate effectively if the installation instructions are not followed carefully.
3. Power Supply:  
The system accepts any DC input at 6 – 12 Volts with a capacity of 200ma – The centre pin is Positive. Input voltage should not exceed 14 Volts – a regulated supply is recommended.
4. The HPS-2 has a local beeper that will sound during the alarm state. A small switch on the circuit board inside the box can disable this beeper.  
On the set of 4 Dip Switches:  
Switch 1: 'ON' = Beep, 'OFF' = On Beep.
5. The HPS-2 has two options for **Delay before alarm**. Note that the longer time period allows the patient to move about in bed, roll over etc., without setting off the alarm. If you want to be alerted more promptly, the delay can be set to 1 second. This will give an alarm as soon as the patient becomes restless.  
On the set of 4 Dip Switches:  
Switch 4: 'ON' = 2 seconds, 'OFF' = 10 seconds

## Fault Conditions:

1. If NO lights flash – Check the connections to the Plugpack power supply
  2. If the alarm Lights keep flashing each time you press the Yellow button -  
Check the cable connections between the Proximate and the bed Mat.
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## **Bed/Chair Exit Alarm**

### **PROXI-MATE HPS-2**

#### ***Operation Notice***

- When the resident is not in bed  
Leave the Interface Unit switched OFF  
(Press Yellow button so that all lights are off)
  
  - Note that the vinyl mat should not be creased or folded.
1. Settle the resident into bed (or on their chair)
  2. Now turn the unit ON by pressing the Yellow button.
  3. The Alarm “A” Light flashes 4 times and then stays on.
  4. The Alarm “B” Light also comes on.
  5. Now turn on your Pager – Its light will blink each second
  6. The Sensor is now ACTIVE.
- Once the resident rises from the mat for more than around 10 seconds the alarm will be activated.
  - Once the call has been activated the resident should be attended as soon as possible.
  - Reset the HPS-2 by pressing the Yellow button once. All lights will go out.
  - Then to reset the Pager, hold pressed the button till turns off.

**Please display this notice beside the PROXI-MATE (Bed/Chair Exit Alarm)**