

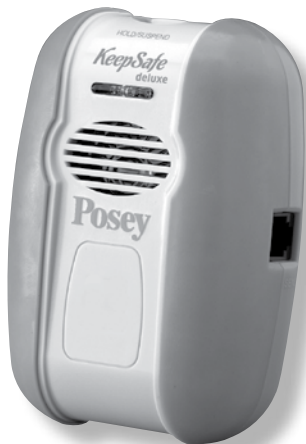
# **KeepSafe® Deluxe**

## **Instruction Manual**

.....

The Posey KeepSafe Deluxe is an important part of your falls management protocols.

**Ensure all parts of this system are operational before leaving a patient unattended.**



**8374, 8374NP**

Before using the Posey KeepSafe Deluxe, read this entire manual and save for future reference.



## Contents

Before You Begin .....	3
Features of the KeepSafe Deluxe .....	4-7
Bracket Systems .....	8-9
Preparing the KeepSafe Deluxe for Use .....	10-11
Storing Your KeepSafe Deluxe .....	12-13
Setting Alarm Mode .....	14
Setting Alarm Tone .....	15
Adjusting Alarm Volume .....	16
The HOLD Button .....	17-18
The SUSPEND Button .....	18-19
Connecting to AC Power .....	20
Nurse Call Interface .....	21-22
Mounting the KeepSafe Deluxe .....	23-29
Monitoring with a Sensor .....	30-32
Steps to Apply: Over-Mattress Sensor Pad .....	33-34
Steps to Apply: Chair Sensor Pad .....	35
Steps to Apply: Chair Belt Sensor Pad .....	36
Steps to Apply: Toilet, Commode, and Stretcher Sensor Pad .....	36
The KeepSafe Deluxe and Use of Physical Restraints .....	37-38
Warnings and Cautions .....	39-42
Sensor Not Functioning .....	42
Adapter Cable Replacement .....	42
Alarm Cleaning, Storage and Battery Maintenance .....	43-44
Troubleshooting Guide .....	45-49
Product Specifications .....	50
Limited Lifetime Warranty .....	51
Repair Service .....	51

## Before You Begin

The Posey KeepSafe Deluxe is an easy to use, restraint free addition to your falls management program. The KeepSafe Deluxe provides an early warning when a patient attempts to rise from a sensor. This system **does not** prevent falls or injury from falls and is not a substitute for patient care, rounding and a comprehensive falls management protocol in your facility.

The KeepSafe Deluxe activates as the patient attempts to rise and removes pressure from the sensor.

### Indications for Use

Persons who may benefit from the use of the Posey KeepSafe Deluxe include:

- Patients with diminished cognitive or mobility skills. For example, the frail, disabled, or those with neurologic deficits.
- Patients receiving medications that may cause disorientation, drowsiness, dizziness, or frequent urination.
- Patients (new or existing) with a history of falls, or who are assessed to be at risk of falling based on your selected fall-risk assessment.
- Patients who are restless or prone to get up in the middle of the night, e.g., due to incontinence, or with nighttime voiding habits.
- Patients who require mandatory bed rest.

### Contraindications

**NOTE: The KeepSafe Deluxe may not be suitable for all high fall-risk patients. See Posey catalog for other options for such patients.**

The KeepSafe Deluxe should NEVER be used as the only means of surveillance for:

- Agitated, combative or suicidal patients.
- Patients at extreme risk of a life-threatening fall (ex. patients with bone injuries or previous hip fractures).

For these patients, Posey recommends use of the KeepSafe Deluxe along with a more intensive falls management measure. See Posey catalog for options such as floor mats, and/or hip protectors among other falls management products.

### Response Policy

Make sure your facility has a clearly defined policy for response to falls management and fall alarms. This may include contacting the patient over the nurse call intercom system and telling them to return to their bed or chair and waiting for assistance, and/or sending staff immediately to the patient's location for assistance. Be sure to place a flag or notification device on the patient's door, in their room, and next to the respective patient's room light at the nurse's station to identify high fall risk patients and alert staff to respond quickly to fall alarm situations.

Facility falls management policy should address the frequency of visits by nursing staff to:

- Confirm patient is safe.
- Attend to patient needs for nutrition, toileting, exercise, and therapy.
- Check alarm function **every time** before leaving patient unattended.

If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. DO NOT use the alarm or sensor if it does not activate each time weight is removed from the sensor, or if the chair belt sensor is unfastened.

### Each KeepSafe Deluxe is shipped to you with:

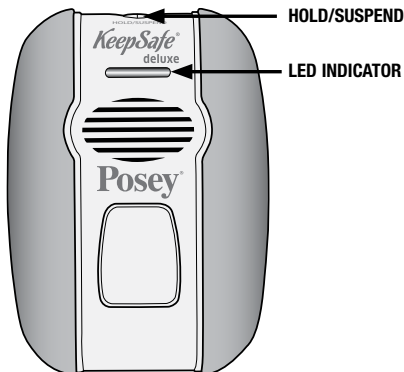
- Alarm (1)
- "AAA" Alkaline Batteries (4)

**NOTE:** If you require the ability to run on AC power, order 8374AC



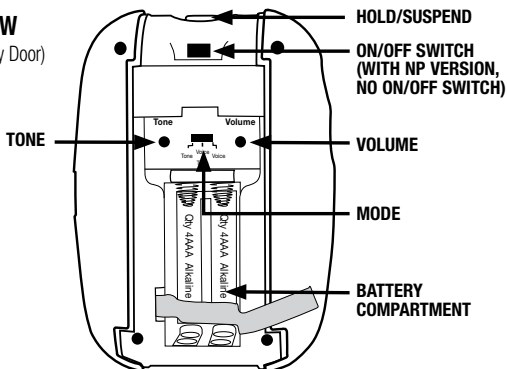
## Features of the KeepSafe Deluxe

### FRONT VIEW

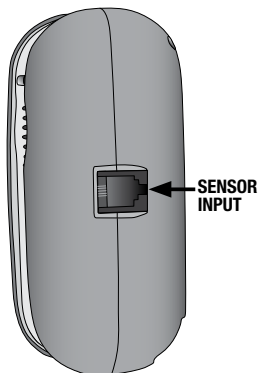


### REAR VIEW

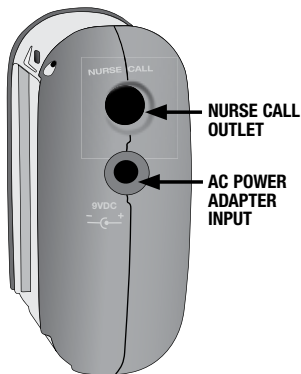
(Open Battery Door)



## RIGHT SIDE VIEW



## LEFT SIDE VIEW



## Features of the KeepSafe Deluxe (Continued)

- **Five alarm tones.** There are five different alarm tone options which can be used in different patient rooms, or to discern between different caregivers or levels of fall risk for easy patient identification.
- **Three alarm modes.** Three alarm modes allow for facility or alarm choices regarding caregiver notification in the event the alarm is triggered. The alarm modes are "Voice and Tone," "Tone Only" and "Voice Only."
- **High and low volume settings.** Two alarm volume settings allow for facility or alarm choices regarding caregiver notification in the event the alarm is triggered. The volume options are low and high.
- **HOLD/SUSPEND Button.** Allows you to remove a patient from a bed or chair without the need to turn off the alarm (e.g., for therapy, toileting or socializing). Alarm will resume monitoring when patient returns to the sensor pad.

## Features of the KeepSafe Deluxe (Continued)

- **Sensor monitoring.** This alarm connects to any Posey sensor pad, including chair, toilet, commode, stretcher, over-mattress, and chair belt sensors. Over-mattress sensors work with most institutional mattress styles and mattress overlays. Alarm activates when weight is removed from sensor pad, or when chair belt sensor is unfastened.
- **Nurse Call Interface.** Provides dual alarm notice at patient's room and nursing station.  
Order Cat. #8282 (nurse call cable) for nurse call interface, or nurse call adapter system, if needed.
- **Failsafe sensor alarm.** The Posey KeepSafe Deluxe activates if the alarm is on and a sensor cord is removed from the alarm.
- **Battery operated.** The alarm uses four (4) "AAA" alkaline batteries.
- **Audible low battery warning.** Alarm "chirps" about every 15 seconds when batteries need changing. This sound is different than any of the alarm tones and easily alerts caregivers of the need to change batteries.
- **DC Jack.** For AC connection.
- **AC Adapter.** The KeepSafe Deluxe 8374AC enables users to operate on AC electrical power. (To obtain the AC adapter with the 8374 alarm, order the 8374AC.)
- **Impact resistant cover.** Helps minimize damage if dropped.

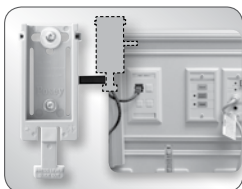
**NOTE:** Cat. 8374NP (No Power Switch Model) does NOT have an ON/OFF switch. This is to prevent patients or caregivers from turning off the alarm. The only way to turn off this model is to remove the batteries.

**⚠ CAUTION NEVER connect other manufacturers' sensors to a Posey alarm. Use of another manufacturers' sensors may damage the Posey alarm, cause the fall monitoring system not to function as intended, and will void the factory warranty.**

### Customer may order the following bracket systems:



**8208G GCX Alarm Mounting Bracket Assembly – vertical wall mounts**



**8208H Modular Services Alarm Mounting Bracket – horizontal wall mounts**



**8269 Alarm Attachment Bracket with BioThane® strap – bed and wheelchair mounting**



**8289 Wheelchair Bracket – mounting on back of wheelchair**



**8278N Narrow Saddle Bracket – wheelchair mounting**

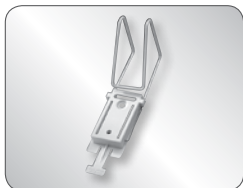


**8208 Wall Bracket – wall mounting**





**8208CS Command™ Strip\***  
**Alarm Mounting System –**  
wall mounting



**8276 Wire Bracket –**  
headboard or footboard bed  
mounting, or chair mounting



**8288 Alarm Bracket –** IV pole

\*3M and Command™ are the worldwide trademarks or registered trademarks of 3M.

## Preparing the KeepSafe Deluxe for Use

### Battery Installation:

The battery-operated KeepSafe Deluxe is portable and long lasting. Fresh alkaline batteries have an estimated life of *30 days of daily use*. Actual life depends on alarm mode, tone and volume you select.

Alarm will “chirp” about every 15 seconds when new batteries are needed. Change batteries at once.

1. If your alarm does NOT have an ON/OFF switch (Cat. 8374NP), connect a sensor before inserting the batteries. If your alarm DOES have an ON/OFF switch (Cat. 8374), slide the power switch to the OFF position before inserting/changing batteries.
2. Press down on the arrow and slide the battery compartment door completely off (Fig. 1). Set battery door aside.
3. Drape the red ribbon across the battery compartment and insert four (4) new “AAA” batteries as pictured inside the battery compartment (Fig. 2). Take care not to damage battery contacts. Batteries should be inserted on top of red ribbon and the loose end of the ribbon should stick out the other end for easy battery removal (Fig. 3).
4. Lay the loose end of the red ribbon on top of the batteries and reattach the battery compartment door. Slide it shut, locking it into place.



Fig. 1



Fig. 2



Fig. 3

## Preparing the KeepSafe Deluxe for Use (Continued)

### **⚠ WARNING**

- Take care when installing new batteries. The alarm will not work if batteries are installed improperly.
- **ALWAYS** install a completely new set of batteries when the chirping, due to low battery power, sound begins. **DO NOT** replace a single cell, but all cells in the alarm. **DO NOT** mix old and new batteries, or battery brands within a battery pack (4 batteries). Use of mixed batteries or batteries installed incorrectly may cause battery damage, and may damage the alarm. Remove any alarm from use and send to the appropriate facility authority if batteries are damaged or corroded or the battery compartment has signs of previous battery corrosion such as white powder residue.
- Batteries can explode or leak and cause damage to alarm if installed incorrectly, fully discharged, or exposed to liquid, fire or high temperatures. If battery damage has occurred, or you see any corrosion, remove the alarm from use **IMMEDIATELY**. **DO NOT** use the alarm if battery damage has been detected.
- After changing batteries, test the alarm and sensor for proper operation prior to putting in service with a patient, and each time before leaving the patient unattended. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor.

## Storing Your KeepSafe Deluxe

If you are storing the KeepSafe Deluxe for an extended period of time, you should turn the alarm off and remove the batteries. Batteries start to corrode after an extended period of time (just like a flashlight). Corroded batteries will damage the alarm and may cause it not to function, or to function intermittently.

**⚠ WARNING** To prevent loss of user settings, remove old batteries and replace with new batteries immediately. Without power the unit will revert to default settings.

## Storing Your KeepSafe Deluxe

**⚠ WARNING** ALWAYS close the battery door during storage to prevent damage.

Store the alarm in a secure place so it will not be dropped or damaged. DO NOT use if; battery door is missing; battery door is damaged; alarm case is damaged; or alarm case is cracked.

**⚠ WARNING** Battery Leakage. If there is ANY evidence of battery leakage, remove the alarm from use and notify the appropriate facility authority. The alarm should be disposed of according to your facility disposal requirements. DO NOT use the alarm and DO NOT attempt to clean it if there are any signs of battery leakage such as corrosion, rust or white powder residue.

**⚠ WARNING** DO NOT allow batteries to deplete while in the alarm. Change batteries immediately when hearing the low battery “chirp.” Depleted batteries may leak and corrode, causing damage to the electronics and reliability. When storing the alarm with power “on”, check the alarm every week to make sure the batteries are still operable and the alarm is still on. If the alarm low battery alert is chirping, or the alarm does not power up, the batteries are depleted and must be removed. DO NOT leave depleted (“dead”) batteries in the alarm to avoid corrosion.

## Storing Your KeepSafe Deluxe (Continued)

Remove batteries when storing the alarm for an extended period to prevent depleting the batteries and potential corrosion.

**⚠ WARNING** The Posey KeepSafe Deluxe is an electronic device. It may fail to work if subjected to severe shock, such as being dropped, or immersed in liquid. To reduce the risk of serious injury or death, test the alarm and sensor for proper operation prior to putting in service with a patient, and each time before leaving the patient unattended. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. **DO NOT** use the alarm or sensor if it does not activate each time weight is removed from the sensor, or when the chair belt sensor is unfastened.

## Setting Alarm Mode

The KeepSafe Deluxe has three (3) alarm modes. These allow you to select an alarm signal best suited to patient and facility needs.

Mode Features	
<b>VOICE &amp; TONE</b>	Pre-recorded voice message plays once, followed by the selected alarm tone. The tone continues to play until alarm is placed on hold or patient is repositioned with the sensor.
<b>TONE</b>	Selected alarm tone plays until alarm is placed on hold or patient is repositioned with the sensor.
<b>VOICE ONLY</b>	Pre-recorded voice message plays until alarm is placed on hold or patient is repositioned with the sensor.

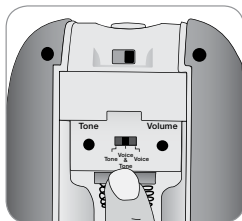
**⚠ WARNING** When using a nurse call cable, ensure the nurse call cable is plugged in to both the alarm and the wall jack before leaving the patient unattended. Verify that an alert is received at the nursing station if the cable is unplugged from the wall jack.

**NOTE:** There will be no alert at the nursing station or at the bedside if the nurse call cable is unplugged from the alarm.

### To Change/Select Mode:

1. Ensure alarm is on and either sensor pad or chair belt sensor is attached to alarm. Ensure pressure is on sensor pad or chair belt sensor is connected.
2. Remove the battery compartment door by sliding down to gain access to the programming buttons.
3. Slide the MODE Select Switch to the desired alarm mode (Fig. 4).

The last option selected is the mode utilized when the sensor is activated.



**Fig. 4**

## Setting Alarm Mode (Continued)

4. Replace the battery door and slide shut, locking into place.

### THE PRE-RECORDED VOICE MESSAGE IS:

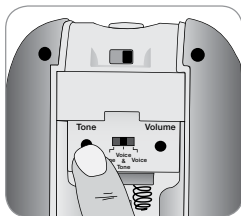
*"Please don't get up. Sit back down and use the call button to call for help."*

## Setting Alarm Tone

The KeepSafe Deluxe has five (5) available tones. This allows you to differentiate between patients and other equipment alarms.

### To Select Tone:

1. Ensure alarm is on and either sensor pad or chair belt sensor is attached to alarm. Ensure pressure is on sensor pad or chair belt sensor is connected.
2. Remove the battery compartment door by sliding down to gain access to the programming buttons.
3. Press TONE button (Fig. 5) to scroll through the tone selections.
4. Alarm mode must be set to either "Voice and Tone" or "Tone" in order to hear the selection.
5. Each time you press the button, tone will change and a two (2) second sample plays. The last sample heard is the tone utilized for the alarm when the sensor is activated, depending on which monitoring mode is selected.
6. Replace the battery door and slide shut, locking into place.



**Fig. 5**

### Adjusting Alarm Volume

There are two (2) alarm volume settings: low and high. These allow you to select the right volume for facility and/or patient needs.

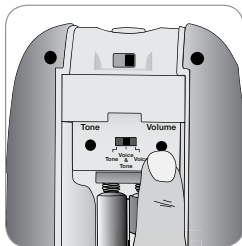
All volume settings are within OSHA standards. For maximum staff alert in noisy areas, use HIGHEST (loudest) volume setting.

**⚠ WARNING ALWAYS check to ensure staff can hear alarm at the furthest possible distance before leaving patient unattended.**

**⚠ WARNING NEVER place alarm closer than two feet from patient's ear. Doing so may cause hearing loss or other injury. For more information, see: OSHA OCCUPATIONAL NOISE EXPOSURE STANDARDS 1910.95.**

#### To Change Volume:

1. Ensure alarm is on and either sensor pad or chair belt sensor is attached to alarm. Ensure pressure is on sensor pad or chair belt sensor is connected.
2. Remove the battery compartment door by sliding down to gain access to the programming buttons.
3. Press VOLUME button (Fig. 6) to scroll through both the volume selections.
4. Alarm mode must be set to either "Voice and Tone" or "Tone" in order to hear the selection.
5. Each time you press the button, the volume changes and a two (2) second sample plays.
6. Continue to press the VOLUME button until you hear the desired volume. The last sample heard is the volume in use.
7. Replace the battery door and slide shut, locking into place.



**Fig. 6**



## The HOLD Button

**NOTE:** HOLD feature will not work unless sensor is plugged into the alarm.

### To Place the Alarm on HOLD:

1. Press HOLD/SUSPEND button on the top of alarm (Fig. 7) for 1 second. The monitoring indicator LED will begin flashing RED at 3-second intervals if the alarm is in HOLD mode (Fig. 7a).

2. You have 30 seconds to assist patient into or out of bed or chair before alarm returns to monitoring mode. When assisting patient out of bed, move patient towards the edge of the bed with his or her legs over the side of the bed before pressing the HOLD button. This will allow you more time to reposition the patient on the sensor without activating the alarm after the 30 second hold period expires.

3. After 30 seconds:

- If weight is present on the sensor or the chair belt sensor is connected, you will hear a single “beep” and monitoring will begin. **ALWAYS** verify the green light is flashing, and the alarm and sensors are monitoring before leaving patient unattended.
- If there is no weight on the sensor or the chair belt sensor is not connected, alarm will remain on HOLD.

4. The HOLD feature:

- Allows patient to be away from sensor for extended periods without alarm activating (e.g., for meals, therapy, toileting etc.). When patient returns and weight is applied to the sensor or the chair belt sensor is connected, alarm will “beep” once to indicate monitoring has resumed. The monitoring indicator LED will no longer be flashing red.
- Helps ensure continuity of care when there are several caregivers.



Fig. 7

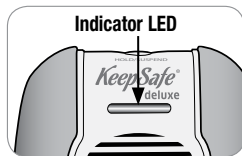


Fig. 7a

## The HOLD Button (Continued)

### 5. To take alarm out of HOLD:

- Apply weight to the sensor or connect the chair belt sensor if 30 seconds has elapsed, or
- Press HOLD button once.

Alarm will “beep” once to indicate monitoring has resumed.

The monitoring indicator LED will no longer be flashing red. The monitoring indicator LED will be flashing green, indicating the alarm is in monitoring mode.

**⚠ WARNING** Test the alarm and sensor for proper operation prior to putting in service with a patient, and each time before leaving the patient unattended. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. Ensure the LED, indicating monitoring, is blinking green.

## The SUSPEND Button

**NOTE:** SUSPEND feature will not work unless sensor is plugged into the alarm.

The SUSPEND feature is indicated when extended patient care is required. This feature allows you additional time to perform that care without activating the alarm.

### To Place the Alarm on SUSPEND:

1. Press HOLD/SUSPEND button on the top of alarm (Fig. 8) for 3 seconds. The monitoring indicator LED will begin flashing RED at ½-second intervals if the alarm is in SUSPEND mode (Fig. 8a).

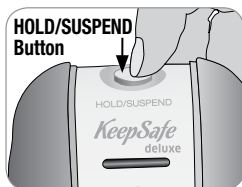


Fig. 8

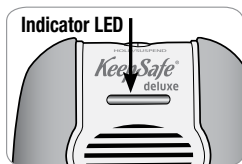


Fig. 8a

## The SUSPEND Button (Continued)

2. You have 5 minutes to assist patient into or out of bed or chair before alarm returns to monitoring mode.
3. After 5 minutes:
  - If weight is present on the sensor or the chair belt sensor is connected, you will hear a single “beep” and monitoring will begin. **ALWAYS** verify the green light is flashing, and the alarm and sensors are monitoring before leaving patient unattended.
  - If there is no weight on the sensor or the chair belt sensor is not connected, alarm will remain on SUSPEND.
4. The SUSPEND feature:
  - Allows patient to be away from sensor for extended periods without alarm activating (e.g., for meals, therapy, toileting etc.). When patient returns and weight is applied to sensor or chair belt sensor is connected, alarm will “beep” once to indicate monitoring has resumed. The monitoring indicator LED will no longer be flashing red.
  - Helps ensure continuity of care when there are several caregivers.
5. To take alarm out of SUSPEND:
  - Apply weight to the sensor or connect the chair belt sensor if 5 minutes has elapsed, or
  - Press Suspend button once.
  - Alarm will “beep” once to indicate monitoring has resumed.

**The monitoring indicator LED will no longer be flashing red. The monitoring indicator LED will be flashing green, indicating the alarm is in monitoring mode.**

**⚠ WARNING** Test the alarm and sensor for proper operation prior to putting in service with a patient, and each time before leaving the patient unattended. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. Ensure the LED, indicating monitoring, is blinking green.

## Connecting to AC Power (Optional)

The Posey KeepSafe Deluxe is equipped with a DC jack to allow you to use AC power to operate the alarm. When the 8374AC or 8374NPAC is ordered, it includes an AC power adapter. To obtain a replacement power adapter, order Cat. RP8383. To ensure proper alarm function and to prevent damage to the alarm, only use the AC power adapter supplied by Posey.

### To Connect to AC Power:

1. Connect the AC power adapter to the KeepSafe Deluxe (Fig. 9).
2. Plug the other end into the wall.
3. Connect a sensor to the alarm.

**⚠ WARNING** Only use the Posey AC power adapter to operate your alarm. Using an adapter other than the Posey adapter may damage the alarm and void the warranty.

If power is interrupted, the alarm will not function. There is no alarm at bedside or nurse call station.

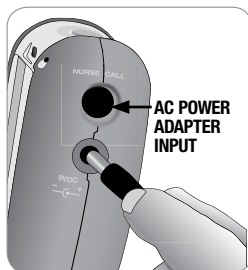


Fig. 9

## Nurse Call Interface

You can connect the KeepSafe Deluxe Nurse Call System to your facility nurse call system. This allows you to add the options and notification associated with your specific nurse call system such as nursing station notification and patient room lights and sounds.

### To Connect the Nurse Call Cable:

1. Insert one end of cable into "Nurse Call" jack on left side of alarm (Fig. 10).
2. Insert the other end of cable into wall jack of nurse call panel. Depending on your system, you may need a "Y" nurse call adapter to use the Posey KeepSafe Deluxe Nurse Call System and the patient nurse call device at the same time.

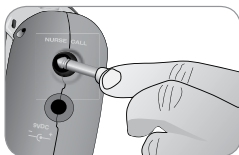


Fig. 10

Posey offers 21 varieties of nurse call adapter systems. Please request document M6253 for a list of all Posey nurse call adapter systems.

**NOTE:** There will be no alert at the nursing station or at the bedside if the nurse call cable is unplugged from the alarm.

**⚠ WARNING** When using a nurse call cable, ensure the nurse call cable is plugged in to both the alarm and the wall jack before leaving the patient unattended. Verify that an alert is received at the nursing station if the cable is unplugged from the wall jack.

## Nurse Call Interface (Continued)

### **⚠ WARNING FOR SAFE USE WITH NURSE CALL CABLE:**

- **DO NOT** stretch or strain cable to avoid possible damage and possible malfunction.
- **DO NOT** attach cable to moving parts of the bed or chair that will cause strain or damage if the bed or chair is repositioned.
- **ALWAYS** position the cable so that moving parts (side rails, wheels, etc.) will not cause strain or damage the cable.
- **DO NOT** run over the cable with carts or equipment.
- **DO NOT** wrap the cable tightly during storage.
- **ALWAYS** remove the cable by pulling on the jack. **DO NOT** pull on the cable.
- **ALWAYS** secure the cable out of the way so it will not be a tripping hazard.
- **ALWAYS** test alarm and nurse call function prior to leaving the patient unattended. Activate the alarm (remove pressure from the sensor or unfasten the chair belt sensor) and make sure the nurse call light for the proper bed and room activate in the hall and at the nurse's station.
- **DO NOT** use the alarm or sensor if it does not activate each time weight is removed from the sensor or when the chair belt sensor is unfastened. Replace alarm and sensor with working units and retest before leaving the patient unattended.

## Mounting the KeepSafe Deluxe

There are multiple mounting options to choose from for the KeepSafe Deluxe:

- 8208 Wall Bracket (for wall mounting)
- 8269 Alarm Attachment Bracket with BioThane® Strap (for bed, wheelchair, stretcher, and commode mounting)
- 8208CS Command™ Strip Alarm Mounting System (for wall mounting)
- 8276 Wire Bracket (for headboard or footboard bed mounting, or chair mounting)
- 8278N Narrow Saddle Bracket (for wheelchair mounting)
- 8208G GCX Alarm Mounting Bracket Assembly (for vertical wall mounts)
- 8208H Modular Services Alarm Mounting Bracket (for horizontal wall mounts)
- 8288 Alarm Bracket (for IV pole mounts )
- 8289 Wheelchair bracket (for mounting on back of wheel chair)

If you plan to use the KeepSafe Deluxe for stretcher sensor monitoring or commode sensor monitoring, please refer to the Instruction Sheets for these products, 8316 and 8333.

To purchase additional brackets contact your Posey sales representative, or call Posey Customer Service at 1.800.447.6739.

### **⚠ WARNING PRIOR TO USING ANY BRACKET, YOU SHOULD CHECK THAT:**

- Alarm is securely mounted out of the patient's reach and functions properly by activating alarm.
- Alarm indicator lights are in clear view of staff.

## Bed Mounting

There are two brackets suitable for bed mounting, the 8276 Wire Bracket and the 8269 Alarm Attachment Bracket (with BioThane® strap).

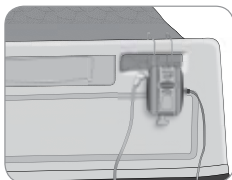
The 8276 Wire Bracket fits headboards and footboards that are  $\frac{1}{2}$ " – 2" (1 cm - 5 cm) thick (Fig. 11).

### TO MOUNT THE 8276 WIRE BRACKET:

1. Slide alarm onto bracket from top down until it is firmly in place (Fig. 12).
2. Choose location on head or footboard where patient cannot reach or tamper with the alarm or connections.
3. Pull bracket wire away from alarm to create an opening wide enough to fit the headboard or footboard.

Slide bracket onto bed and push down to ensure a snug fit. Make sure alarm indicator lights are in clear view of staff.

4. To remove alarm, gently push release lever IN while sliding alarm up and out (Fig. 13).
5. Make sure sensor, nurse call cables, and/or AC adapter cables can be secured out of the way and do not present a tripping hazard.



8276 Wire Bracket

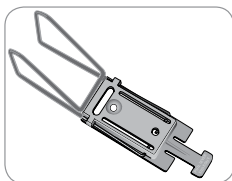


Fig. 11 - Wire Bracket

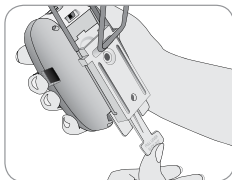


Fig. 12

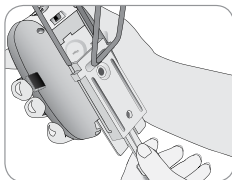
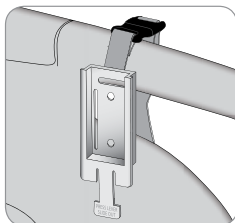
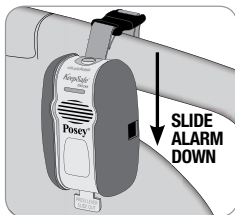
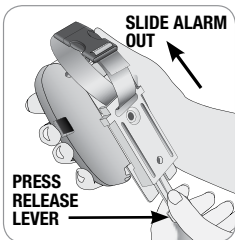


Fig. 13



**Bed Mounting** (Continued)**TO MOUNT THE 8269 ALARM ATTACHMENT BRACKET:**

1. Choose location on headboard or footboard where there is an opening and the strap can be attached so that the patient cannot reach or tamper with the alarm or connections.
2. Buckle strap onto bed (Fig. 14) and tighten strap securely.
3. Slide alarm onto bracket from top down until it is firmly in place (Fig. 15). Make sure alarm indicator lights are in clear view of staff.
4. To remove alarm, gently push release lever IN while sliding alarm up and out (Fig. 16).

**Fig. 14 - 8269 Bracket****Fig. 15****Fig. 16**

## Wall Mounting

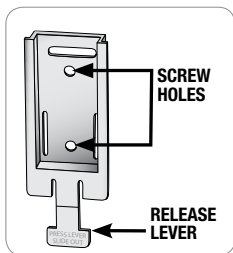
There are four (4) wall mounting bracket options to choose from: 8208 Wall Bracket, 8208CS Command Strip Alarm Mounting System, 8208G GCX Alarm Mounting Bracket Assembly, and the 8208H Modular Services Alarm Mounting Bracket Assembly.

### 8208 WALL BRACKET

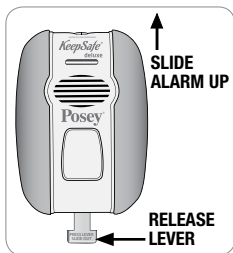
1. Choose a location out of the patient's reach, but with indicator lights in clear view of staff.
2. Use Wall Bracket (Cat. 8208) (Fig. 17).
3. Screw Attachment:
  - Position wall bracket with back (flat side) against wall (Fig. 17).
  - Using bracket as a guide, mark spots to insert anchors into wall.

**Make sure it is safe to drill and there are no pipes or electrical wires that could be damaged.**

- Drill holes where marked and insert anchors.
  - Position bracket over holes. Insert and tighten screws.
4. Slide alarm onto bracket from top down until it is firmly in place.
  5. To remove alarm, gently push release lever IN while sliding alarm up and out (Fig. 18). Make sure sensor, nurse call cables, and/or AC adapter cables can be secured out of the way and do not present a tripping hazard.



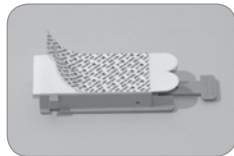
**Fig. 17 - 8208 Chair/Wall Bracket (Front View)**



**Fig. 18 - Alarm/Bracket (Front View)**

**Wall Mounting** (Continued)**8208CS COMMAND™ STRIP ALARM MOUNTING SYSTEM**

1. To install first apply isopropyl alcohol with clean cloth to the back of the 8208 Wall Bracket and wall surface where bracket will be attached. Wipe gently and let dry.
2. Remove the “Red” release liners from the two (2) Command Strips (Fig. 19).
3. Align the adhesive with the top edge of wall bracket and press adhesive firmly in place against bracket. Applying pressure for 10 seconds to activate the pressure sensitive adhesive (Fig. 20).
4. Remove BLACK release liners from the two (2) Command Strips and secure bracket to wall. Press bracket against wall for 30 seconds to activate pressure sensitive adhesive, waiting one (1) hour for use (Fig. 21).
5. To remove, locate the two Command Strip release tabs near the bottom of the bracket. Hold the Wall Bracket with one hand and pull the release tabs with your other hand.

**Fig. 19****Fig. 20****Fig. 21**

**⚠ WARNING** DO NOT pull release tabs towards you. Pull straight down along the wall at least 15 inches. The strips will stretch and release from the wall.

**⚠ WARNING** The Posey 8208CS will adhere to the following types of wall surfaces: painted, stained or varnished wood, glass tile, painted cinder block, plaster, metal or wallboard. It is not suitable for wallpaper or brick. Surface temperatures should be above 50° F (10° C) for proper adhesion and adhesion could lose strength at temperatures above 105° F.

**Wall Mounting** (Continued)**MOUNTING WITH 8208G AND 8208H ASSEMBLIES**

1. 8208G GCX® Alarm Mounting Bracket Assembly is for use with GCX vertical channel mounts. For installation instruction guide, consult [www.gcx.com](http://www.gcx.com).
2. 8208H Modular Services Alarm Mounting Bracket Assembly is for use with Modular Services Company horizontal headwall channel. For installation guide consult [www.modularservices.com](http://www.modularservices.com).

**Chair/Wheel Chair Mounting****WITH THE 8276 WIRE BRACKET**

1. Choose a location on rear of chair, out of the patient's reach.
2. Slide alarm onto bracket from top down until it is firmly in place (Fig. 12 page 24).
3. Choose location on back of chair back where patient cannot reach or tamper with the alarm or connections.
4. Pull bracket wire away from alarm to create an opening wide enough to fit the chair back
5. Slide bracket onto chair and push down to ensure a snug fit. Make sure indicator lights are in clear view of staff.
6. To remove alarm, gently push release lever IN while sliding alarm up and out (Fig. 13 page 24).
7. Make sure sensor and/or nurse call cables can be secured out of the way and do not present a tripping hazard.

**Chair/Wheel Chair Mounting** (Continued)**WITH 8269 ALARM ATTACHMENT BRACKET**

1. To attach the KeepSafe Deluxe to a wheelchair using the 8269 Alarm Attachment Bracket, first wrap the strap around the wheelchair frame and then attach the buckle, tightening strap securely.

**WITH 8278N AND HOOK-AND-LOOP ATTACHMENT**

1. To attach the KeepSafe Deluxe to a wheelchair using the hook-and-loop strip and chair bracket, wrap the straps firmly around the wheelchair frame.

**8289 WITH SCREW ATTACHMENT TO WHEELCHAIR BACK**

1. Choose a location on rear of chair, out of the patient's reach, where existing chair screws can be removed to mount bracket.
2. Use a screwdriver to remove chair screw.
3. Place flat side of bracket against chair back, with release lever pointing DOWN.
4. Reinsert screw through the top horizontal slot of bracket and into chair frame.
5. Use a screwdriver to secure bracket to chair.
6. Slide alarm onto bracket from top down until it is firmly in place.
7. To remove alarm, gently push release lever IN while sliding alarm up and out.
8. Make sure sensor cables can be secured away from moving parts of the chair.

## Monitoring with a Sensor

The following instructions will help you set up and safely use the KeepSafe Deluxe with a sensor.

### TIPS TO PROTECT SENSORS FROM DAMAGE

To avoid inconvenience to staff and patients, and to protect sensors from damage, you should follow these steps:

- Only use Posey sensors with the Posey alarm.
- When routing sensor cord to alarm, check that there is no stress on cord. Cord must be clear of all moving parts of bed or chair to prevent sensor failure.
- **NEVER** jerk or pull on the cord to remove RJ11 plug. Doing so will damage cord wires or plug.
- **ALWAYS** use the plastic tab to release plug (Fig. 22).

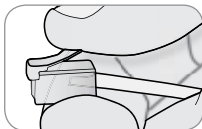


Fig. 22 - Plastic tab

### FAILSAFE FEATURE

The Posey KeepSafe Deluxe contains a “failsafe” feature that activates the Posey alarm if the sensor is removed from the alarm when the power is on.

#### **⚠ WARNING FOR SAFE USE IN ALL SENSOR MODES:**

To reduce the risk of serious injury or death, **ALWAYS** follow these steps after putting the sensor in place and before leaving patient unattended (see instructions below). Do not use any alarm or sensor that does not alarm each time it is tested.

1. Make sure alarm is ON and in monitoring mode (monitoring indicator LED is flashing green).
2. Check that the RJ11 plug on the sensor cable is not damaged (plug broken, or wires disconnected) and is securely connected to the alarm.
3. Disconnecting the sensor from the alarm will cause the alarm to activate. This is called a “failsafe” mode. Disconnect the sensor to make sure the failsafe mode works. **DO NOT** use

## Monitoring with a Sensor (Continued)

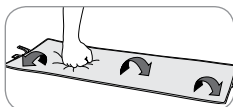
the alarm if the alarm does not sound when the sensor is disconnected.

- When connecting the alarm to the nurse call system, check that the nurse call cable is securely connected to the alarm and the nurse call panel. **ALWAYS** test alarm and nurse call function if nurse call cable is plugged into the alarm and wall jack. Activate the alarm (remove pressure from the sensor or unfasten the chair belt sensor) and make sure the nurse call light for the proper bed and room activate in the appropriate nurse's station location. Remove the cable from the wall jack and make sure the visual or audible alert at the nurse's station immediately activates.
- Inspect sensor cord and nurse call cable (if in use) to ensure they are out of the footpath and **DO NOT** pose a tripping hazard.

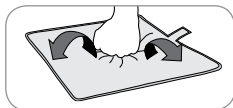
### Over-Mattress, Chair, Toilet, Commode, Stretcher, and Chair Belt Sensor Pads

In addition to steps 1-5 under "FOR SAFE USE IN ALL SENSOR MODES":

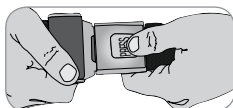
- Test several places along the entire surface of the sensor by applying and removing pressure to make sure the alarm activates when pressure is removed from the sensor/mattress (Figs. 23a, b), when you unfasten the chair belt sensor (Fig. 24).



**Fig. 23a - Testing over-mattress sensor pad**



**Fig 23b - Testing chair sensor pad**



**Fig. 24 - Chair belt sensor**

## Monitoring with a Sensor (Continued)

If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. DO NOT use the alarm or sensor if it does not activate each time weight is removed from the sensor or the chair belt sensor is unfastened.

2. Make sure sensor pad air intake ("neck" of over-mattress sensor, chair sensor or stretcher sensor) is clear and not blocked (Fig. 25). Air must flow freely in and out of sensor for alarm to function. Make sure liquid does not enter at "neck" of sensor pad, as this will damage sensor. If needed, use an incontinence pad to protect sensor from urine or other liquids.

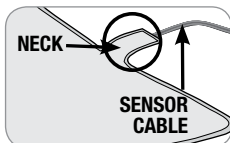


Fig. 25 - Neck of sensor pad

3. Make sure sensor lays FLAT on chair or bed surface, directly under patient's weight, and that sensor cord is not folded back under the pad.
4. Check that there is no risk that chair sensor pad will be trapped in a "hammocking" chair seat. To reduce this risk, place a foundation cushion on seat under sensor.
5. Make sure mattress continues to make contact with the sensor and will activate the alarm when pressure is removed, even if the head or foot of the bed is articulated.

### CHAIR BELT SENSORS

In addition to steps 1-5 under "FOR SAFE USE IN ALL SENSOR MODES," press self-release button to unfasten buckle, or separate hook-and-loop straps. Alarm should activate each time you do this.

### TOILET AND COMMODOE SENSORS

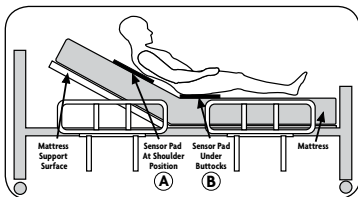
Prior to patient use, test by sitting on toilet or commode to apply pressure to the sensor and then remove weight so that alarm activates.



## Steps to Apply: Over-Mattress Sensor Pad

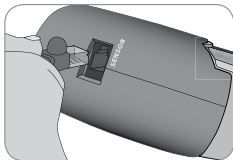
1. Select the correct sensor for your patient:
  - Single patient use 30-Day Sensors.
  - 6-Month Sensors. For long-term use.
2. Check that sensor pad, cord and plug are clean and undamaged.

3. Choose a position for sensor pad (Fig. 26):  
(A) Centered at patient's shoulder blades; or (B) Centered under patient's buttocks.



**Fig. 26**

4. Place non-slip Posey Grip on mattress at area chosen for sensor. Place sensor pad over Posey Grip, across width of bed.
5. Use metal clips to secure sensor to mattress.
6. Place bottom sheet over sensor.
7. If needed, use an incontinence pad to protect sensor from urine or other liquids. Sensor may fail if liquid enters at "neck" of sensor pad.
8. Route the sensor cord to the alarm. Check that the sensor cord is not stressed, is clear of moving parts of bed, and does not pose a tripping hazard.
9. Insert RJ11 plug into jack labeled "sensor" on right side of alarm (Fig. 27). Alarm will activate. Press the HOLD button. You have 30 seconds to transfer the patient to the bed before monitoring begins.



**Fig. 27**

10. Test sensor and alarm.
11. Position patient in bed, with weight centered on sensor pad.

### Testing Alarm and Over-Mattress Sensor Pad

**ALWAYS** check sensor pads when connecting them to a Posey alarm. You can check a pad by attaching it to the sensor cable outlet in the alarm, activating the alarm and placing pressure on the pad (Fig. 28). When the pressure is released, the alarm should sound. Repeat this pressure/release test in several different areas along the entire length of the sensor to ensure entire pad functions properly both with the bed in the flat position and the head and/or foot articulated. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. **DO NOT** use the alarm or sensor if it does not activate each time weight is removed from the sensor.

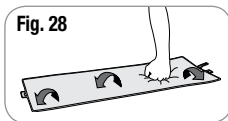


Fig. 28

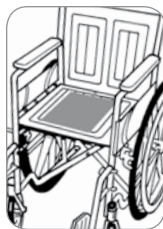
**Testing over-mattress sensor pad**

### Storing Over-Mattress Sensor Pad when not in use

**ALWAYS** store sensor pads flat in a dry secure environment. **DO NOT** roll, bend or fold over-mattress sensor pads. This may cause them to malfunction. You can also store the sensors by hanging from the hole on the side of the sensor pad. Ensure sensor cords remain bundled together in the sensor packaging. **DO NOT** stretch or place pressure on the cords, as this could cause a malfunction in the sensor pad.

## Steps to Apply: Chair Sensor Pad

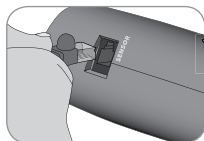
1. Select the correct sensor for your patient:
  - Single patient use 30-Day Sensors.
  - 6-Month Sensors. For long-term use.
2. Check that sensor pad, cord and plug are clean and undamaged.
3. Place sensor pad FLAT across width of seat (Fig. 29). Make sure sensor cord is either to the back or side of seat.



**Fig. 29**

**NOTE:** If a seat cushion is used, place sensor ON TOP of cushion.

4. Adjust so sensor is directly under patient's buttocks when seated.
  - Sensor should be towards FRONT of chair seat if patient normally sits toward front.
  - Sensor should be towards BACK of chair seat if using a posture support or if patient is at risk of forward sliding.



**Fig. 30**

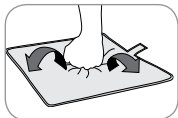
5. If needed, use an incontinence pad to protect sensor from urine or other liquids. Sensor may fail if liquid enters at "neck" of sensor pad.
6. Route the sensor cord to the alarm. Check that the sensor cord is not stressed, is clear of moving parts of chair, and does not pose a tripping hazard.
7. Insert RJ11 plug into jack labeled "sensor" on right side of alarm (Fig. 30). Alarm will activate. Press the HOLD button. You have 30 seconds to transfer the patient to the chair before monitoring begins.
8. Test sensor and alarm.
9. Position patient in chair, with weight centered on sensor pad.

### Steps to Apply: Chair Belt Sensor Pad

**NOTE:** Refer to the warning label and product insert for these sensors. Follow all warnings, use instructions, and steps for proper attachment.

#### Testing Alarm and Chair Belt Sensor Pad

**ALWAYS** check sensor pads when connecting them to a Posey alarm. You can check a pad by attaching it to the sensor cable outlet in the alarm, activating the alarm and placing pressure on the pad (Fig. 31). When the pressure is released, the alarm should sound. Repeat this pressure/release test in several different areas



**Fig. 31 - Testing chair sensor pad**

along the entire length of the sensor to ensure entire pad functions properly. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. **DO NOT** use the alarm or sensor if it does not activate each time weight is removed from the sensor.

#### Storing Chair and Chair Belt Sensor Pad when not in use

**ALWAYS** store sensor pads flat in a dry secure environment. **DO NOT** roll, bend or fold chair sensor pads. This may cause them to malfunction. Store chair belt sensors in a dry, secure environment. Ensure sensor cords remain bundled together in the sensor packaging. **DO NOT** stretch or place pressure on the cords, as this could cause a malfunction in the sensor pad.

### Steps To Apply: Toilet, Commode, and Stretcher Sensor Pad

Please see instructions (IFUs) for each of these products for steps to apply.

## The KeepSafe Deluxe and Use of Physical Restraints

The use of physical restraints should be a last resort, and only after a full physical and mental assessment by the facility healthcare team. If the patient's care plan calls for the use of a restraint, staff should read and follow all instructions and warnings for the device you choose.

The position of the sensor pad is vital when using a restraint. Make sure the restraint is applied correctly per instructions for that device. Straps must NOT cross over sensor pad.

For bed use, sensor pad should be placed at shoulder blade level so alarm will activate if patient sits up, tries to climb over side rails, or scoots to bottom of bed.

### **⚠ WARNING**

- **If straps cross over sensor pad and patient moves, pressure from straps may prevent alarm from activating. If patient falls out of bed or chair and is suspended in the restraint, serious injury or death may occur from chest compression or suffocation (Fig. 32).**



**Fig. 32**

- **ALWAYS use Hospital Bed Safety Workgroup (HBSW\*) compliant bed side rails. Use gap fillers to reduce the risk that patient's body or limbs may fit over, under, around, through or between rails.**
- **Full compliant bed side rails must be UP when restraints are used on a patient.**

## **The KeepSafe Deluxe and Use of Physical Restraints** (Continued)

To reduce the risk of entrapment, use side rail covers, especially with split side rails. A failure to do so may result in serious injury or death if patient's body goes under, around, through or between the bed side rails.

Use extreme caution with chair cushions. If a cushion dislodges, straps may loosen and allow patient to slide off seat and become suspended.

## Warnings and Cautions

- **NEVER** connect a Posey alarm to other manufacturers' sensors.
- **NEVER** connect a Posey sensor to other manufacturers' alarms.
- Make sure it is safe to drill and there are no pipes or electrical wires that could be damaged when using screws to attach the wall mount bracket.
- **NEVER** place alarm closer than two feet from patient's ear. Doing so may cause hearing loss or other injury. For more information, see: OSHA OCCUPATIONAL NOISE EXPOSURE STANDARDS 1910.95.
- **ALWAYS** check to ensure staff can hear alarm at the furthest possible distance before leaving patient unattended.
- Check that there is no stress on the nurse call cable. Make sure cable is clear of all moving parts of bed or chair, and does not pose a tripping hazard.
  - Check that both ends of cable are securely plugged in and the nurse call system has an alert warning if the cable is disconnected from the wall jack.
  - Test alarm and nurse call functions by activating alarm and removing pressure from the sensor pad or unfastening chair belt sensor EACH TIME before leaving patient unattended.
- Before each use, check that:
  - Alarm is securely mounted out of the patient's reach and functions properly by activating alarm.
  - Indicator lights are in clear view of staff.
- DO NOT mix old and new batteries or battery brands. This may cause rupture or leakage and damage alarm.
- DO NOT allow batteries to deplete while in the alarm. Change batteries immediately when hearing the low battery "chirp." Depleted batteries may leak and corrode, causing damage to the electronics and reliability. When storing the alarm with power "on", check the alarm every week to make sure the batteries are still operable and the alarm is still on. If the alarm low battery alert is chirping, or the alarm does not power up, the batteries are depleted and must be removed. DO NOT leave depleted ("dead") batteries in the alarm to avoid corrosion.

## Warnings and Cautions (Continued)

- Remove batteries when storing the alarm for an extended period to prevent depleting the batteries and potential corrosion.
- The Posey KeepSafe Deluxe is an electronic device. It may fail to work if subjected to severe shock, such as being dropped, or immersed in liquid. To reduce the risk of serious injury or death, test the alarm and sensor for proper operation prior to putting in service with a patient, and each time before leaving the patient unattended. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. **DO NOT** use the alarm or sensor if it does not activate each time weight is removed from the sensor or the chair belt sensor is unfastened.

### **⚠ WARNING FOR SAFE USE IN ALL SENSOR MODES:**

*To reduce the risk of serious injury or death, **ALWAYS** follow these steps after putting the sensor in place and before leaving patient unattended (see instructions below). **DO NOT** use any alarm or sensor that does not alarm each time it is tested.*

1. Make sure alarm is ON and in monitoring mode (monitoring indicator LED is flashing green).
2. Check that the RJ11 plug on the sensor cable is not damaged (plug broken, or wires disconnected) and is securely connected to the alarm.
3. Disconnecting the sensor from the alarm will cause the alarm to activate. This is called a “failsafe” mode. Disconnect the sensor to make sure the failsafe mode works. **DO NOT** use the alarm if the alarm does not sound when the sensor is disconnected.
4. When connecting the alarm to the nurse call system, check that the nurse call cable is securely connected to the alarm and the nurse call panel. **ALWAYS** test alarm and nurse call function if nurse call cable is plugged into the alarm and wall jack. Activate the alarm (remove pressure from the sensor or unfasten the chair belt sensor) and make sure the nurse call light for the proper bed and room activate in the appropriate nurse’s station location. Remove the cable from the wall jack and make sure the visual or audible alert at the nurse’s station immediately activates.



## Warnings and Cautions (Continued)

5. Inspect sensor cord and nurse call cable (if in use) to ensure they are out of the footpath and DO NOT pose a tripping hazard.

### OVER-MATTRESS, CHAIR AND STRETCHER SENSORS

- In addition to steps 1-5 under “FOR SAFE USE IN ALL SENSOR MODES”:
- Test several places along the entire surface of the sensor by applying and removing pressure to make sure the alarm activates when pressure is removed from the sensor/mattress or when you unfasten the chair belt sensor. If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. DO NOT use the alarm or sensor if it does not activate each time weight is removed from the sensor or the chair belt sensor is unfastened.
- Make sure sensor pad air intake (“neck” of over-mattress or chair sensor pad) is clear and not blocked. Air must flow freely in and out of sensor for alarm to function. Make sure liquid does not enter at “neck” of sensor pad, as this will damage sensor. If needed, use an incontinence pad to protect sensor from urine or other liquids.
- Make sure sensor lays FLAT on chair or bed surface, directly under patient’s weight, and that sensor cord is not folded back under the pad.
- Check that there is no risk that chair sensor pad will be trapped in a “hammocking” chair seat. To reduce this risk, place a foundation cushion on seat under sensor.
- Make sure mattress continues to make contact with the sensor and will activate the alarm when pressure is removed, even if the head or foot of the bed is articulated.

## **Warnings and Cautions** (Continued)

### **CHAIR BELT SENSORS**

In addition to steps 1-5 under "FOR SAFE USE IN ALL SENSOR MODES," see page 36 for instructions on how to properly test a Chair Belt Sensor.

### **Sensor Not Functioning**

If the alarm and/or sensor do not function properly, remove the alarm and sensor from service and replace them with a properly functioning alarm and/or sensor. DO NOT use the alarm or sensor if it does not activate each time weight is removed from the sensor or the chair belt sensor is unfastened.

### **Adapter Cable Replacement**

Contact Posey Customer Service for nurse call cable adapters available for various nurse call systems. Posey offers 21 varieties of nurse call adapter systems. Please request document M6253 for a list of all nurse call adapter systems.

## Alarm Cleaning, Storage and Battery Maintenance

### Cleaning

#### Sensor, Cables and Alarm Housing (exterior ONLY)

Dampen (but DO NOT soak) a clean cloth with disinfectant. Use extra care to clean sensor cord plugs.

To reduce the risk of damage, **NEVER:**

- use any cleaning substance that contains Phenol
- immerse in liquid
- sterilize with heat

Use a clean, DRY cloth to dry all parts.

### Storage

- This device is designed for use in normal indoor environments.
- This device may be stored in ambient warehouse temperatures at normal humidity levels (10 to 50%). Avoid excess moisture or high humidity that may damage product materials (greater than 90%).
- Store sensor pad flat or hang in a dry secure environment. DO NOT fold or roll sensors, as it may damage internal electronic parts and cause a malfunction.

### Disposal

**⚠ WARNING** Dispose of per facility policy. Be sure to follow all laws that apply.

### General Cleaning

- For general cleaning, a soft cloth or cotton swabs are best.
- DO NOT use sprays or liquids that may damage battery contacts.
- Tilt case DOWN and use liquid cleaners sparingly. Make sure liquid does not get into main section of alarm case.
- Make sure compartment is completely dry before inserting fresh batteries.

## Alarm Cleaning, Storage and Battery Maintenance

(Continued)

### Battery Compartment

**⚠ WARNING** Battery Leakage. If there is ANY evidence of battery leakage, remove the alarm from use and notify the appropriate facility authority. The alarm should be disposed of according to your facility disposal requirements. DO NOT use the alarm and DO NOT attempt to clean it if there are any signs of battery leakage such as corrosion, rust or white powder residue.

- **⚠ WARNING** DO NOT allow batteries to deplete while in the alarm. Change batteries immediately when hearing the low battery “chirp.” Depleted batteries may leak and corrode, causing damage to the electronics and reliability. When storing the alarm with power “on”, check the alarm every week to make sure the batteries are still operable and the alarm is still on. If the alarm low battery alert is chirping, or the alarm does not power up, the batteries are depleted and must be removed. DO NOT leave depleted (“dead”) batteries in the alarm to avoid corrosion.
- Remove batteries when storing the alarm for an extended period to prevent depleting the batteries and potential corrosion.

## Troubleshooting Guide

### **PROBLEM: Continuous alarm with patient in bed or chair.**

#### **SOLUTION: Chair Pad Sensor**

- Check that sensor cord and RJ11 plug are clean and undamaged. Check plug connection to alarm.
- Check sensor pad for creases or damage to vinyl cover.
- Check “neck” of chair sensor pad for signs that urine or other liquids have leaked into pad.
- Check that sensor pad is directly under patient's weight.
  - Pad should be towards front of chair seat if patient normally sits toward front.
  - Pad should be towards back of chair seat if posture support is in use or if patient is at risk of forward sliding.
- Check seating/positioning aids such as wheelchair cushions or wedge cushions. Weight from these may activate alarm, or prevent sensor from activating.
- Check sensor expiration date. A continuous alarm may indicate sensor is “worn-out” and should be replaced.

#### **SOLUTION: Over-Mattress Sensor**

- Check that sensor cord and RJ11 plug are clean and undamaged. Check plug connection to alarm.
- Check sensor pad for creases or damage to vinyl cover.
- Check “neck” of over-mattress sensor pad for signs that urine or other liquids have leaked into pad.
- Patient may not be heavy enough to activate sensor.
  - Shoulder Placement – Adjust sensor so it is centered at shoulder blade area and patient makes contact with pad.
  - Try a different sensor location. Most patient weight is normally under buttocks.

## Troubleshooting Guide (Continued)

### **SOLUTION: Over-Mattress Sensor** (Continued)

- Buttocks Placement - Check that sensor pad is directly under patient's weight. Shoulder placement may be needed for a very small individual or restless sleeper.
- A foam pad on top of mattress may diffuse patient's weight so sensor does not activate.
  - Reposition over-mattress sensors above foam pad.
- Mattress may not bend easily when head or knee sections are raised or lowered. Some mattresses are very stiff and may form an air pocket between mattress and frame when bed is adjusted. This may prevent weight from touching sensor. Try a different sensor location.
- Check sensor expiration date. A continuous alarm may indicate sensor is "worn-out" and should be replaced.

### **SOLUTION: Chair Belt Sensor**

- Check that sensor cord and RJ11 plug are clean and undamaged. Check plug connection to alarm.
- Check that buckle is securely fastened and there are no loose wires.

### **SOLUTION: Exit Alarm Mat**

- Check that there is no weight on sensor.
- Check that sensor cord and RJ11 plug are clean and undamaged. Check plug connection to alarm.

## Troubleshooting Guide (Continued)

### **PROBLEM: No alarm when patient exits bed or chair.**

#### **SOLUTION:**

- Make sure alarm is ON (monitoring indicator LED is flashing green).
- Check batteries. If needed, insert four (4) new “AAA” alkaline batteries. DO NOT mix old and new batteries, or different brands of batteries.

#### **SOLUTION: Chair Pad Sensor**

- Make sure sensor cord is not folded back under pad.
- Make sure sensor pad air intake (“neck” of chair sensor pad) is clear and not blocked. Air must flow freely in and out of the sensor.
- Check that there is no weight on the sensor such as a box, bag or book.
- Check seating/positioning aides. A heavy wheelchair cushion may prevent alarm from alarming. Try a different position for the sensor pad, such as on top of the cushion.
- Is the sensor getting caught in “hammocking” wheelchair seat? If so, place a foundation cushion on seat, under sensor.
- Try a new sensor if alarm does not sound.

#### **SOLUTION: Over-Mattress Sensors**

- Check that all connections are tight and properly plugged into the alarm.
- Check that there is no weight on the sensor such as a box, bag or book.
- When the patient lies down they may not be making contact with the sensor to activate monitoring. Try a different position for the sensor pad. Most patient weight is normally under buttocks.

#### **SOLUTION: Chair Belt Sensor**

- Check that all connections are tight and properly plugged into the alarm.

## Troubleshooting Guide (Continued)

**PROBLEM: Intermittent alarm while the patient is in a bed or chair.**

### SOLUTION:

- Check that sensor cord and RJ11 plug are clean and undamaged. Check plug connection to alarm.
- Check sensor pad for creases or damage to vinyl cover.
- Check that sensor pad is directly under patient's weight.
- Is the sensor getting caught in "hammocking" wheelchair seat? If so, place a foundation cushion on seat, under sensor.
- Make sure sensor cord is not folded back under pad.
- Make sure sensor pad air intake ("neck" of over-mattress or chair sensor pad) is clear and not blocked. Air must flow freely in and out of sensor.
- Try a new sensor if intermittent alarm cannot be fixed.
- Make sure mattress continues to make contact with the sensor and will activate the alarm when pressure is removed, even if the head or foot of the bed is articulated.
- Apply pressure to sensor in several areas to check that alarm activates.
- Ensure batteries are not corroded.

**PROBLEM: Alarm volume is too low or too loud.**

### SOLUTION:

- Press the VOLUME button on the back of the alarm to change volume setting. Tap the button to scroll through the two choices. The last sample heard is the volume in use.



## Troubleshooting Guide (Continued)

**PROBLEM: Flashing green indicator light does not illuminate.**

**SOLUTION:**

- Check that the battery connections are tight and batteries are installed properly.
- Replace the old batteries with four (4) new “AAA” alkaline batteries.

**PROBLEM: Alarm “chirps.”**

**SOLUTION:**

- A “chirp” sound indicates a low battery. Insert four (4) new “AAA” alkaline batteries. DO NOT mix old and new batteries, or different brands of batteries.

**PROBLEM: Sensors slide around when the head of the bed is raised or lowered on beds with foam overlays.**

**SOLUTION:**

- Anchor the sensor(s) on top of the mattress, under the foam overlay with the straps provided.

**PROBLEM: In-room alarm activates, but nurse call station does not activate.**

**SOLUTION:**

- Check that all connections are tight and the nurse call cable is connected to the alarm and properly plugged into the facility’s nurse call system. The connections should snap tightly together.
- Check for worn or damaged wires.
- Verify use of proper adapter for the system.

## Product Specifications

.....

<b>Size</b>	3" W x 4.3" L x 2" D (8 cm x 11 cm x 5 cm)
<b>Weight</b>	6.0 oz. (7.6 oz. with batteries) .17 kgs. (.22 kgs. with batteries)
<b>Power Supply</b>	Four (4) "AAA" alkaline batteries. Optional AC power adapter (8374AC) 9 VDC
<b>Battery Life Expectancy</b>	Approximately 30 days of daily use; may vary
<b>Current Drain</b>	Non-alarmed monitoring mode 0.22 mA, maximum alarm volume 132 mA
<b>Alarm Maximum Volume</b>	100 ± 5dB
<b>Voltage Range</b>	4.6-6.3 VDC
<b>Low Battery Warning</b>	Audible, low battery "chirp" about every 15 seconds when batteries need changing

### Limited Lifetime Warranty

The Posey Company is committed to manufacturing the best quality products. Posey warrants to the original purchaser that the Posey KeepSafe Deluxe is defect-free in materials and workmanship. If the product is found to be defective in workmanship or materials, we will replace or repair it without charge. This warranty does not cover accidental damage, water immersion, improper care, alteration or misuse, and excludes claims for loss or theft. Service under this warranty is available by contacting the Posey Customer Service hotline (1.800.447.6739) for a return authorization, and by forwarding the product in clean condition, freight pre-paid, with dated proof of purchase. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

### Repair Service

Return all alarms for repair to:

Posey Company – KeepSafe Deluxe Repairs  
5635 Peck Road • Arcadia, CA 91006

Insure for \$100.00.

For additional information or questions, call the Posey Company:  
1.800.447.6739.




# **KeepSafe® Deluxe**

## **Instruction Manual**

.....



 Posey Company • 5635 Peck Road, Arcadia, CA 91006-0020 USA  
Phone: 1.800.447.6739 • Fax: 1.800.767.3933 • [www.posey.com](http://www.posey.com)