

Bed-Check® Cordless Fall Management System

Setup & User Guide



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Important Recommendation

STANLEY Healthcare’s systems are designed to assist staff in providing a high degree of safety for people and assets and therefore should be used as a component of a comprehensive safety program of policies, procedures, and processes. As with every safety system, STANLEY Healthcare highly recommends regular system operational checks to verify functional integrity.

Warnings and Cautions

CAUTION

FAILURE TO HEED THE FOLLOWING “CAUTIONS” COULD RESULT IN HARM TO YOUR SYSTEM OR CAUSE IT TO FUNCTION IMPROPERLY, INTERMITTENTLY, OR NOT AT ALL.

- Use the Bed-Check Monitor only with approved accessories.
- Turn Monitors and Transmitters off before storing them away.
- Remove batteries immediately when the Monitor is not in use to avoid battery power loss.
- Use care when connecting the Bed-Check Transmitter and Sensormat pads. Gently remove or connect cords. Pulling on cords may damage them and/or result in system failure.

⚠ WARNING ⚠

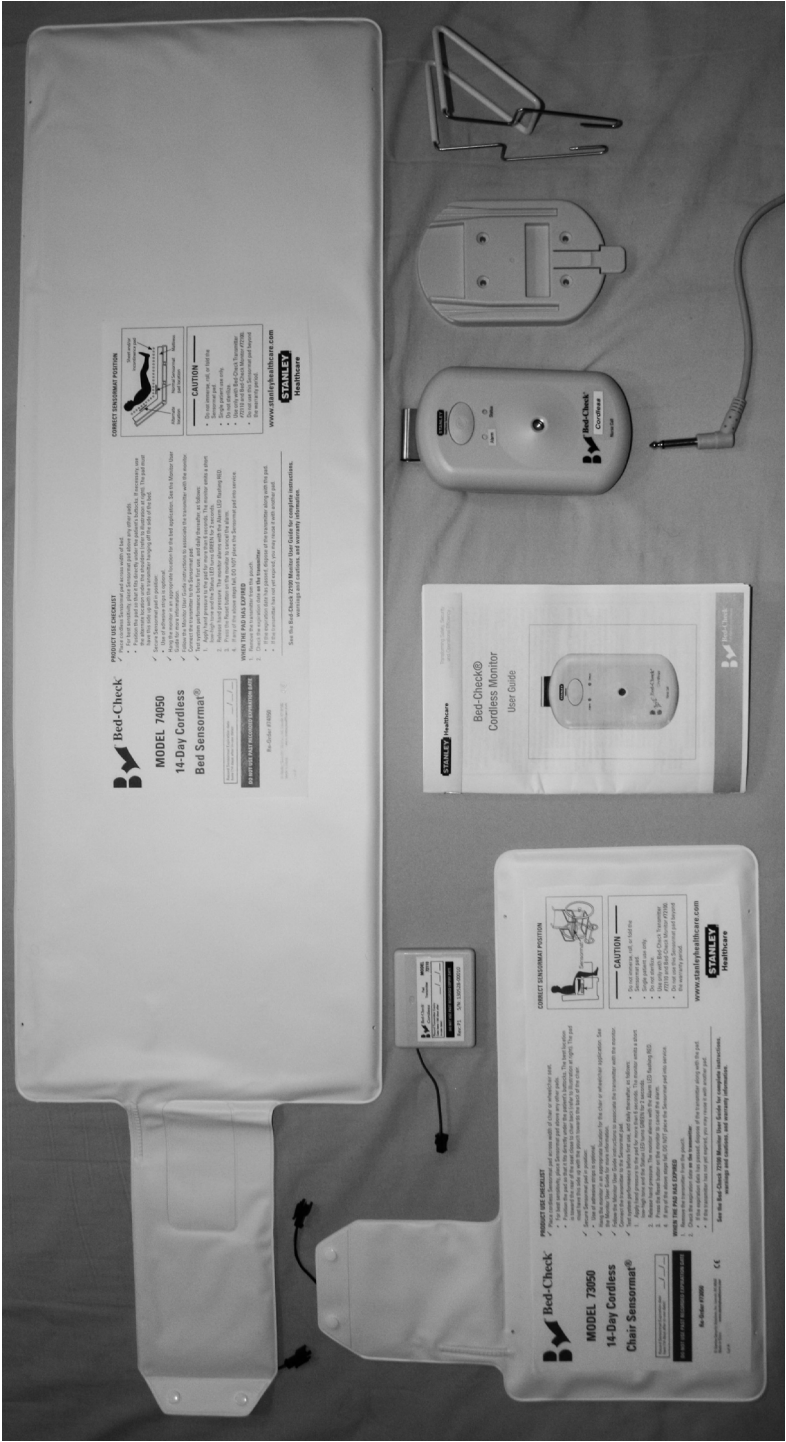
FAILURE TO HEED THE FOLLOWING WARNINGS COULD RESULT IN INJURY TO OR THE DEATH OF PERSONS IN YOUR CARE.

- Ensure that the Transmitter is properly connected to the cable inside the pouch of the Sensormat® pad.
- Check that the Transmitter is switched on and that the status LED on the Monitor flashes GREEN for at least 1 second when the Monitor button is pressed, or the status LED flashes GREEN for 0.5 seconds once per minute to indicate that it is monitoring the person.
- A low battery condition in the pad Transmitter is indicated by the status LED on the Monitor blinking YELLOW twice every minute or when the Monitor button is pressed. Change the Transmitter immediately.
- A low battery condition in the Monitor is indicated by the status LED blinking YELLOW once every minute or when the Monitor button is pressed. Change the batteries in the Monitor immediately.
- Do not use the Transmitter past the expiration date.
- When the pad has expired, check the expiration date on the Transmitter. If the date has passed, dispose of the Transmitter with the pad. If the Transmitter has not yet expired, you may reuse it.
- Test the Bed-Check Monitor and Sensormat pad before each use and inspect the cords and pads for signs of damage. Replace any components with signs of wear or damage immediately.
- Do not place the monitor within 1 ft. (0.3m) of and facing the resident. Placing the Monitor on a wheelchair back is acceptable as long as the monitor is facing away from the resident.
- The Bed-Check Monitor is only one part of your facility's fall management program. The Bed-Check Monitor is not a substitute for proper nursing care or routine visual monitoring by caregivers. The effectiveness of the Bed-Check Monitor relies entirely on an immediate response by the caregiver to the Bed-Check Monitor system alarm.
- The Bed-Check Monitor system will not stop a person from leaving a bed or chair. It is intended only to alert a caregiver that a patient or resident may need assistance. Other interventions may be required.
- Keep the Sensormat pad flat at all times. Folding the pad may damage it. Do not use the pad if it has been folded.
- Do not immerse the Sensormat pads in liquids. The pad will not operate properly if the pad is exposed to excessive liquids. If the pad is immersed in liquid, discard it immediately.

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Introduction

The Bed-Check Cordless Fall Management System uses a cordless pad and Monitor to notify facility staff in the event of premature departure from a bed or chair. The Monitor provides remote/cordless annunciation in the event of a pad exit alarm, as well as operational and battery status.

Check Your Shipment

The Bed-Check Fall Management System package includes:

- ☐ 1 – Cordless Monitor (72100)
- ☐ 1 – Wall Mount Bracket (0141-758)
- ☐ 2 – Kits of Dual-Lock® Fasteners (P/N TBD??)
- ☐ 4 – Mounting Screws with Plastic Anchors
- ☐ 1 – Rubber Bumper (0141-757)
- ☐ 1 – Wire Bracket (0120-123)
- ☐ 4 – AA Alkaline Batteries
- ☐ This Manual (0980-020)

Other Components Sold Separately

- ☐ Cordless Transmitter (72110)
- ☐ Cordless Sensormat® pads – available in the following types:
 - Chair 14-day (73050)
 - Chair 180-day (73060)
 - Bed 14-day (74050)
 - Bed 180-day (74060)
- ☐ Additional Wall Mount Brackets (0141-758)
- ☐ Additional Wire Brackets (0120-123)
- ☐ Nurse Call Cables (25150)

Bed-Check® Fall Management System Monitor Specifications	
Part Number	N/A
Battery	Battery Type: Four (4) AA 1.5V Polarity Protection: Reverse polarity protected Low Battery Threshold: 4.7V +/- 0.2V Expected Battery Life: > 1 month with no alarms
Interface	Remote Transmitter and pad - RF transmitter
Electrical	Monitor - Current consumption in Sleep mode is approx. 30-40 uA.
Dimensions (W x H x D)	Approx. 8.5 x 14.8 x 4.0 cm (3.4 x 5.70 x 1.65 in)
Weight	Monitor - approx. 275 g or 9.70 oz (with batteries) 175 g or 6.17 oz (without batteries)
Operating Temp.	10 - 50 C
Relative Humidity	5 - 90 % RH (non-condensing)
Mounting	<ul style="list-style-type: none"> • Wall, chair or bed footboard mountable • Built-in clip - objects up to 5/16" thick • Optional wire clip - objects from 5/16" to 2-1/4" thick
Audible Indicators	"LOW" Minimum Level = 62dBA - at 1 foot from monitor "HI" Maximum Level = 96dBA - at 1 foot from monitor
LED Indicators	Monitor Alarm LED: <ul style="list-style-type: none"> • RED - Pad exit from an on pad monitoring condition. Monitor Status LED: <ul style="list-style-type: none"> • YELLOW - Equipment trouble alerts • GREEN - Monitoring confirmation Transmitter Status LED : <ul style="list-style-type: none"> • Flashes RED on every pad or on/off state change.
Cordless Properties	<ul style="list-style-type: none"> • Monitor and Transmitter- 433.4 MHz • Range: up to 30 ft (9.14 m) indoors, 350 ft outdoors • Monitor reliably detects any communication failures with the pad transmitter within 90 seconds, and then alarms.

How the Bed-Check System Works

When the resident's weight on the Sensormat pad is removed for a pre-selected number of seconds (either 0.75 or 2.75 seconds), the Monitor emits an alarm tone to let staff know that the resident is no longer on the Sensormat pad, is in an unsafe position, and needs immediate assistance.

A Supervision alarm is an audible alarm that occurs when the resident is on the pad and:

- Communication with the pad Transmitter being monitored is lost because the Transmitter has moved out of range or failed, or
- The Transmitter is switched off while monitoring.

The alarm can be cancelled by pressing the button on the monitor.

If a Nurse Call system is connected, the Monitor triggers an alarm similar to a panic button press on a bedside pendant switch. The staff member, having been alerted that a resident is attempting to exit the bed, can counsel the resident by intercom (if available), and send immediate assistance.

Normal Usage Routine

Each time the system is put into use, a specific set of tasks must be performed to ensure that the system is operating correctly and is effectively monitoring a resident. Each task listed below refers you, when necessary, to the section in this guide with the detailed instructions for that task.

- ☒ Gather the equipment together: Monitor, Transmitter, Pad.
- ☒ Connect the transmitter to the pad. See "Connecting the Cordless Transmitter" on page 8.
- ☒ Activate the monitor and then associate it with the transmitter. See "Associating the Cordless Monitor with the Transmitter" on page 10.
- ☒ Test the system. Follow the test procedure printed on the pad, or see "Testing the Sensormat Pad Before First Use" on page 11.
- ☒ Position the resident on the bed or chair.
- ☒ Press the monitor button to confirm that the system is monitoring the resident on the pad. Look for the ??second solid green light on the Status LED.???
- ☒ When an alarm occurs, follow your facility's alarm response procedures before resetting the monitor.
- ☒ To remove the resident from the pad, see "Temporary Disable Mode" on page 16.

Cordless Monitor

FRONT

Alarm Reset
Button

LEDs (Alarm
and Status)

Sound
Opening



BACK

Clip

Battery
Cover

Access to
Handshake
Button

Screw (to open
battery cover)



Basic Features and Buttons

The Bed-Check Cordless Monitor includes a black rubber bumper around the outer perimeter. This bumper is not made with natural rubber latex.

The caregiver can tap the button on the front of the Monitor at any time without disrupting the monitoring session. The Monitor displays its state for 2.4 seconds. When no button is pressed and the Monitor is monitoring a resident on the pad, the Monitor flashes its GREEN LED once every minute.

State changes are triggered by incoming events such as:

- A short press for less than 3 seconds on the button on the front of the Monitor
- A long press lasting more than 3 seconds on the button on the front of Monitor
- A press of the Handshake button on the back of the Monitor
- Pad on/off status
- Transmitter being switched on or off
- A lack of communication with the Transmitter for 90 seconds
- A change to the Nurse Call jack (plugged or unplugged)
- Low battery status

Alarm Reset Button

The Alarm Reset button is located on the front of the Monitor. All audio alarms can be muted by a simple tap of the Monitor's button. The Alarm Reset button is also used to put the Monitor into Sleep Mode (see "Understanding LEDs and Audible Tones" on page 7).

Button press timing duration variations are as follows:

- Short tap - less than 3 seconds - used to activate the Monitor, display the Monitor's status and cancel any audible alarms.
- Long press - more than 3 seconds - used to either temporarily disable the monitor (only when monitoring a resident), or put the Monitor to sleep.

Reminder: Tap the Alarm Reset button at any time to check the monitoring status. Always check the monitoring status whenever you activate a new Bed-Check monitoring session, or place a resident on the pad.

RED Alarm LED

The left-most LED is bright RED, and is only used to signify that an unexpected pad exit has occurred, the resident is at risk of falling, and immediate caregiver response is required.

The alarm LED is easily seen from a distance of 4 m from the Monitor in normal facility lighting conditions as long as no direct sunlight is falling on the Monitor.

Bi-Color Status LED

This LED indicates Monitor and pad Transmitter status.

Generally:

- GREEN indicates successful communication with a pad Transmitter and, if repeated once per minute with a flash lasting half a second or more, that there is a resident being monitored on the pad
- YELLOW indicates equipment trouble, including low battery or supervision alarms when communication are lost. YELLOW accompanied by the trouble tone indicates a problem that prevents monitoring a resident on the pad.

LED use during normal conditions is minimized to help extend the Monitor's battery life.

Sound Opening

The sound opening allows the alarm to be annunciated from the Monitor.

Clip

Use the clip to attach the Monitor to a wheelchair.

Battery Cover

The battery cover is used to protect the batteries and the settings area (Volume, Tone, etc.). For information about changing the batteries, see "Replacing Batteries" on page 17.

Reminder: Check that the battery screw is tightened to avoid batteries accidentally falling out if the Monitor is dropped.

Handshake Button

For information about the Handshake button, see "Associating the Cordless Monitor with the Transmitter" on page 10.

Understanding LEDs and Audible Tones

The following table explains the basic LED colors and tones. For more detailed information about other available Monitor states, see “Regulatory Compliance” on page 27.

Alarm LED

The Alarm LED flashes RED only, indicating an unexpected pad exit has occurred and a resident is now in imminent danger of falling.

Status LED

The Status LED flashes GREEN or YELLOW, indicating either normal operation or an issue with the equipment.

Refer to the table below for a description of the Alarm and Status LEDs.

LED	Tone	Description
ALARM LED (RED)		
Flashes once every 0.6 seconds	Alarm	Alarm! <ul style="list-style-type: none"> Resident has left bed/chair!
One long flash	High-Low	<ul style="list-style-type: none"> Monitor placed into Sleep Mode
STATUS LED (GREEN/YELLOW)		
GREEN – short flash (0.1 second) only on button press	No	<ul style="list-style-type: none"> Monitor is communicating with transmitter
GREEN - long flash (> 0.5 seconds), once per minute or on button press	No	<ul style="list-style-type: none"> Resident being monitored on the pad
GREEN – two long flashes	Low-High	<ul style="list-style-type: none"> Successful association of Monitor with Transmitter (Handshake)
GREEN – 5 second rapid flash	No	<ul style="list-style-type: none"> Transition from “off pad ready” to “on pad monitoring” when resident moves onto pad
GREEN – extended countdown flash	No	<ul style="list-style-type: none"> Monitor temporarily disabled to allow resident positioning or removal
YELLOW – Five 0.1 second flashes repeated every 2.4 seconds	Trouble	Warning <ul style="list-style-type: none"> Supervision failure Monitor battery failure Equipment error

LED	Tone	Description
YELLOW – Two 0.1 second flashes, once per minute	Low	Warning <ul style="list-style-type: none"> Transmitter low battery
YELLOW – continuous up to 10 seconds	No	<ul style="list-style-type: none"> Waiting for association Handshake
YELLOW – continuous	No	<ul style="list-style-type: none"> Failed monitor power-up self-test or monitor battery dying.

Cordless Transmitter

The Cordless Transmitter has one LED that flashes RED when it is turned on or off, and on every pad on/off state change. It must be plugged into the Sensormat Pad to function.

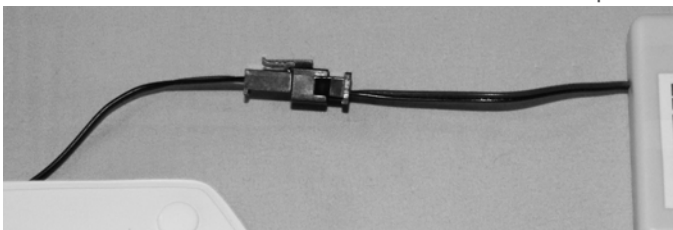
There is an ON/OFF switch located on the side of the Cordless Transmitter.

Up to 20 Transmitters may be deployed within 30 feet of any one monitor without interference between them.



Connecting the Cordless Transmitter

1. On first use, record the expiry date (180 days from in-use date) on the Transmitter. At every other use, check the expiry date before connecting.
2. Connect the Transmitter cable to the cable inside the pouch (located on one the pad end



3. See “Associating the Cordless Monitor with the Transmitter” on page 10 to associate the Transmitter with the Cordless Monitor.
4. Once the Transmitter is associated with the Cordless Monitor, place the Transmitter in the pouch, and snap the pouch shut.

Removing the Cordless Transmitter from the Pad

1. Open the pouch snaps.
2. Slide the Transmitter from the pouch.
3. Switch off the Transmitter if it is not to be used for an extended period of time.
4. Squeeze the latch to detach the connectors.

Confirming Battery State and Usage

If either 6 months has passed since the Transmitter was first activated, or the Monitor warns that the Transmitter has a low battery, the Transmitter should no longer be used.

Cleaning the Cordless Transmitter

Clean with a damp wipe only. Do not sterilize. Do not immerse. Ensure that the Transmitter is dry before placing in storage.

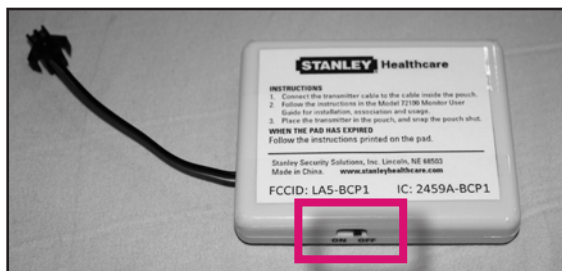
Disposing of the Cordless Transmitter

The Cordless Transmitter contains Lithium Manganese Dioxide battery cells. Dispose according to local regulations.

Associating the Cordless Monitor with the Transmitter

Follow these steps to associate the Monitor with the Transmitter.

1. Ensure the Transmitter switch is in the “Off” position, and wait at least 5 seconds.



2. Make sure the monitor is on by tapping the button on the front. The Status LED flashes YELLOW.
3. Press the “Handshake” button on the back of the Monitor through the access hole in the battery cover using a pointed object such as a stylus.



4. Within **8 seconds**:
 - 4.1 Switch the Transmitter “ON.” A pen tip or stylus may be useful. A Handshake message is sent to the Monitor to associate the Transmitter with the Monitor.

- 4.2** While waiting for the Handshake message, the LED on the Monitor glows YELLOW.
- 4.3** While transmitting the Handshake message, the Transmitter's internal LED flashes RED.
- 4.4** The Monitor beeps twice (low then high), and the LED flashes GREEN twice, indicating a successful association of the Transmitter with the Monitor.

Note: If 10 seconds passes after the Handshake button is pressed and no Handshake message is detected by the Monitor, the Status LED flashes YELLOW 5 times while the Monitor looks for the last Transmitter it was associated with. If the transmitter is not found, switch the transmitter Off, wait at least 5 seconds, then repeat from Step 1.

- 4.5** Test for a successful association by pressing the Monitor button once. The Status LED should flash GREEN.
- 5.** Connect the Transmitter to the Sensormat pad according to the instructions in "Connecting the Cordless Transmitter" on page 8.
- 6.** Place the Transmitter in the pouch and snap it closed.

Testing the Sensormat Pad Before First Use

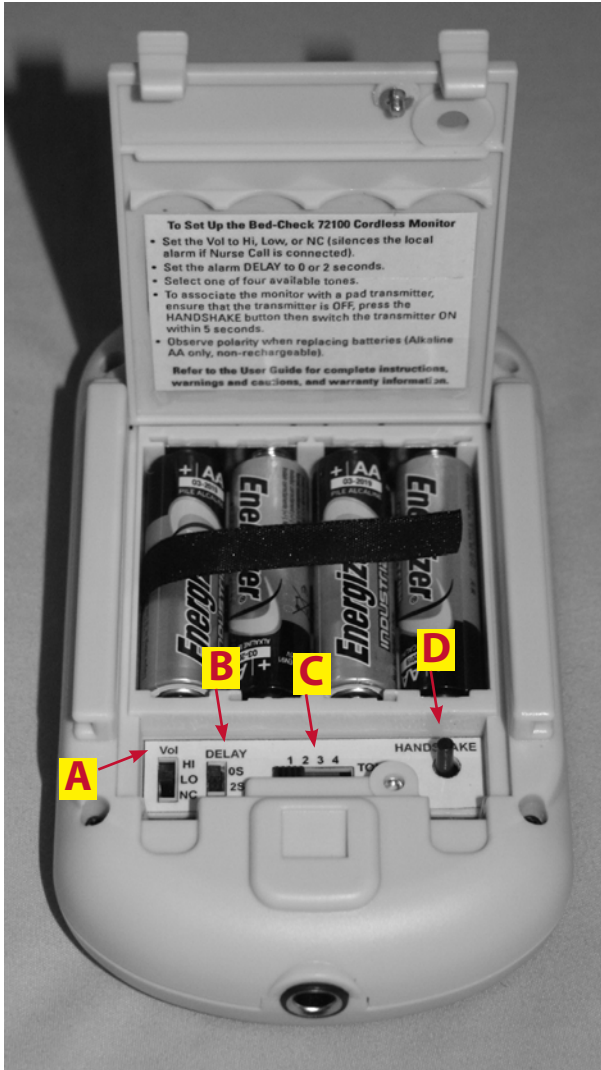
Test the Sensormat Pad before first use, and daily thereafter, as follows:

- 1.** Apply hand pressure to the Pad for more than 6 seconds. The Monitor emits a short low-high tone and the Status LED turns GREEN for two seconds.
- 2.** Release hand pressure. The Monitor alarms and the Alarm LED flashes RED.
- 3.** Press the Reset button on the Monitor to cancel the alarm.
- 4.** If any of the above steps fail, check all connections, and try re-associating the transmitter. If it still does not work, **DO NOT** place the pad into service.

Note: The Monitor remembers the Transmitter it is associated with, even when the Monitor's batteries are removed or the transmitter is switched off.

Configuring the Cordless Monitor

This section describes how to change settings for the Bed-Check Cordless Monitor. Unscrew, then pressing the clips, lift the bottom of the cover to expose the settings switches.



A. Vol - Volume for the alarm and trouble tones - 3 settings:

- **HI** - Raises the audible tone to the loudest level.
- **LO** - Lowers the audible tone to the softest level.
- **NC** - Nurse Call - If a Nurse Call jack is plugged in and this setting is selected, the local alarm sound is suppressed completely.

Note: If the NC setting is selected but there is no Nurse Call cord plugged in, a local alarm (HI) is annunciated through the Monitor if the resident leaves the pad.

B. DELAY - The time delay (in seconds) before the alarm is annunciated - 2 settings:

- **0S** (zero seconds) - up to 0.75 seconds, no additional delay
- **2S** (two seconds) - up to 0.75 seconds, plus 2 additional seconds

C. TONE - Tone sequences for the audible alarm or trouble condition- 4 settings. See "Audible Tones" on page 14.**D. HANDSHAKE** - This button is used to establish an association between the Transmitter and the Monitor.

Audible Tones

There are three sets of audible tones that are used with the Cordless Monitor:

- Alarm Tones
- Trouble Tones
- Confirmation Tones

Note: The exact sound of the alarm or trouble tones depends on the TONE switch setting and whether the current state is an alarm relating to an unexpected pad exit) or a trouble tone relating to a hardware problem (e.g., supervision alarm). Confirmation tones are not affected by these settings.

Alarm Tones

There are 4 alarm tone sequences associated with the Alarm LED (flashes RED):

- **1** - One sound (low) in a sequence of 3 beeps, pause, 2 beeps (meets UL 60601-1)
- **2** - Two sounds (low high low high) in a sequence of 4 beeps, pause, 2 beeps
- **3** - Two sounds (low high low) in a sequence of 3 beeps, pause, 2 beeps
- **4** - Two sounds (high low high) in a sequence of 3 beeps, pause, 2 beeps

Trouble Tones

There are 4 trouble tone sequences associated with the Status LED (flashes YELLOW):

- **1** - One sound (low) in a sequence of 3 beeps (meets UL 60601-1)
- **2** - Two sounds (low high low high) in a sequence of 4 beeps
- **3** - Two sounds (low high low) in a sequence of 3 beeps
- **4** - Two sounds (high low high) in a sequence of 3 beeps

Sleep Mode

The Bed-Check Monitor supports a Sleep Mode feature to save battery life while not in use.

Automatic Sleep Mode

The Monitor enters Sleep Mode under either of the following conditions:

- After 24 hours with no resident on the pad
- After 10 minutes with no associated transmitter

To Manually Put the Monitor to Sleep

Follow these instructions to turn Sleep Mode on when the Monitor is not in use. The Monitor cannot be placed in Sleep Mode while it is monitoring a resident.

1. Make sure that the Monitor is not monitoring a resident on the pad.
2. Press and hold the Alarm Reset button for at least 3 seconds.
3. The Status LED changes to a solid RED and the Monitor beeps high, then low once. The Monitor has entered Sleep Mode.

Wake the Monitor from Sleep Mode

Follow these instructions to turn Sleep Mode off.

1. Press the Alarm Reset button once to exit Sleep Mode.
2. The Status LED flashes YELLOW or GREEN.
3. Sleep Mode is now turned off.

Temporary Disable Mode

The temporary disable mode is used to allow the caregiver 2 minutes to remove a resident from a monitored pad without triggering any alarms, or to connect or disconnect the Nurse Call cord.

1. Press the Alarm Reset button on the Monitor for more than 3 seconds.
2. A 2 minute timer is set. The Status LED flashes GREEN until the time expires, before the Monitor resumes monitoring the resident. A single flash sequence indicates that less than 1 minute remains.
3. The resident can now be placed on, or removed from the pad, or the Nurse Call cord may be inserted or removed without triggering an alarm.
4. When the timer runs out, or the button is pressed for less than 3 seconds, the Monitor resumes normal operation. If the resident is still off the pad, or the Nurse Call cord has been inserted or removed, no alarm is generated.

Low Battery States

Monitor Low Battery

The Monitor's batteries will last at least 30 days while monitoring a person on a pad.

When the Monitor batteries are low – approximately within 3 days of depletion – the Status LED flashes a YELLOW warning (with a confirmation tone).

- If the resident is on the pad, the YELLOW flash follows the GREEN on-pad confirmation flash, once per minute.
- If the resident is not on the pad, a single YELLOW flash occurs once per minute.

These sequences repeat until the batteries are replaced.

When the low battery warning level has been reached, no new monitoring sessions can be started until the batteries are replaced.

When the Monitor determines that its batteries are within minutes of depletion, the audible alarm sounds, and the monitor stops functioning.

Note: Monitors may deplete new batteries when kept in continuous sleep mode for more than 2 years.

Transmitter Low Battery

When the battery is low (about 20 days before depletion) in the Transmitter, the Monitor's Status LED flashes a YELLOW warning twice (with a confirmation tone).

- If the resident is on the pad, the YELLOW flashes follow the GREEN on-pad confirmation flash, once per minute.
- If the resident is not on the pad, the YELLOW flashes occur once per minute.

These sequences repeat until the Transmitter is replaced. If the Transmitter battery fails while the pad is monitoring a resident, a supervision alarm is generated.

A Transmitter can be confirmed to be working without using a Monitor by checking if its LED flashes when a resident goes on or off the pad, or the transmitter itself is turned on or off.

Replacing Batteries

To remove the batteries

1. Open the battery compartment cover.
2. Gently pull the black ribbon vertically to release the batteries.



IMPORTANT: Dispose of batteries according to your local environmental laws and guidelines.

To insert the batteries

1. Loosen screw to open the battery compartment cover.
2. Remove used batteries if required.
3. Ensure the black ribbon is laying flat along the bottom.
4. Insert the batteries into the battery compartment. Press the negative end of each battery into the corresponding spring, then slide the positive end into the contact. The monitor immediately performs a self-test. The LEDs flash in all colors and the speaker sounds.
5. Close the battery compartment cover.
6. The Monitor is now ready to be associated with a Transmitter and used for a resident.



CAUTION: *Replace all four batteries at the same time. Do not mix old batteries with new batteries, and do not mix battery types. Only non-rechargeable alkaline batteries are UL-compliant and meet the product specification. AA batteries equivalent to Duracell MN1500 or Energizer LR06 are recommended.*

Using Sensormat Pads

The Sensormat pad can be located either on a bed or chair, directly underneath the resident. The Monitor is mounted on the wall outside of the room, or in another convenient location, no more than 30 feet away from the pad; or attached to a wheelchair. 14-day or 180-day pads can be deployed with the Monitor. **These pads should be replaced on or before their warranty period expiry date (indicated on pad).**

On a Bed

Place the Sensormat pad across the width of the bed, ON TOP OF THE MATTRESS. A top sheet and/or incontinence pad may be placed above the Sensormat pad. The preferred pad location is directly under the resident's buttocks three to five inches below the bend in the mattress when the head of the bed is elevated. Effective operation of the Sensormat pad in the alternative location, behind the resident's back, is dependent upon their weight and the articulation angle of the bed.

The use of anti-skid strips to secure the Sensormat pad to the mattress is optional.

On a Chair

Place the Sensormat pad across the width of the chair or wheelchair seat. For best sensitivity, place the Sensormat pad above any other pads. An incontinence pad may be placed above the Sensormat pad. Adjust the position so that it fits directly under the resident's buttocks. The most favorable location is toward the rear of the seat, close to the chair back.

The use of anti-skid strips to secure the Sensormat pad to the seat of the chair is optional.

Note: Once the resident sits on the pad, there is a 6 to 7 second delay, before the Monitor arms, allowing time for the resident to shift around slightly until a comfortable position is achieved.

Changing the Pad Transmitter

The Pad Transmitter has a usable life of 180 days from first activation.

The Monitor can be associated with only one Pad Transmitter at a time.

When you change the Pad Transmitter, you must establish a new association between the Pad Transmitter and the Monitor.

Follow these steps to change the Pad Transmitter.

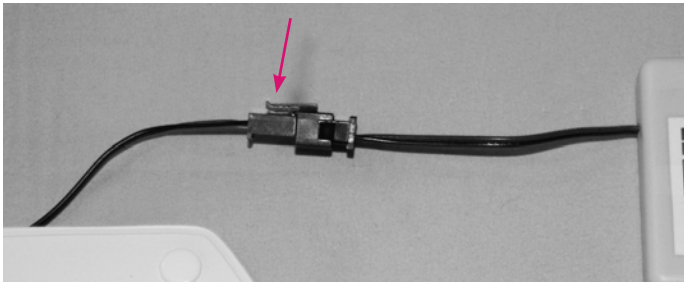
- 1.** Remove the Monitor from the wall or unclip it from a chair or bed footboard so that you can access the back of the monitor.
- 2.** Bring the monitor and the Pad Transmitter together.
- 3.** Turn the Pad Transmitter off using the slide switch and a pen tip, then wait at least 5 seconds.
- 4.** Ensure the monitor is awake by tapping the front button.
- 5.** Depress the Handshake button on the back of the monitor.
- 6.** Within 5 seconds, switch on the Pad Transmitter.
- 7.** The monitor Status LED should flash GREEN and you should hear a low-high confirmation tone. If not, repeat from step 3.
- 8.** You are now ready to monitor the resident.

Changing the Sensormat Pad

When you change the Sensormat pad, the Pad Transmitter may be reused until its expiry date or low battery condition has been reached.

Follow these steps to change the Sensormat.

1. If monitoring a resident on a pad first temporarily disable the monitor and remove the resident.
2. Remove the old pad from the bed or chair.
3. Open the pouch on the old pad.
4. Remove the Pad Transmitter from the old pad and disconnect it by depressing the latch mechanism.



5. After examining the transmitter expiry date, If you need to replace it, refer to “Changing the Pad Transmitter” on page 20.
6. Connect the Pad Transmitter to the new pad and then insert into the pouch, closing and fastening the pouch flap.
7. Tap the monitor to activate monitoring.
8. Confirm the proper operation of the pad as described on the pad.

Mounting/Installation Options

The Bed-Check Cordless Monitor may be mounted on a wall, a bed footboard, or a chair.

CAUTION: *Do not place the monitor within 1 ft. (0.3m) of and facing the resident. Placing the monitor on a wheelchair back is acceptable as long as the monitor is facing away from the resident.*

Wall Mounting

To mount the Bed-Check Cordless Monitor on a wall, you will need a **Wall Mount Bracket (0141-758)**. The mounting bracket is installed with the included screws or Dual-Lock® fastener.

If you are using a Nurse Call system, you will also need a Nurse Call Cable (25150). Before mounting the wall bracket, refer to “Mounting/Installation Options” on page 22 for details.

1. Attach the Wall Mount Bracket to a vertical surface using the provided screws or Dual-Lock fasteners. If also installing a Nurse Call cable or attaching to a surface that is not flat and smooth, use the screws to secure the bracket firmly in place. On flat and smooth surfaces, the Dual-Lock fastener may be used to allow for easier removal.
2. Install the bracket on the wall when monitoring persons in bed.
3. To attach the Bed-Check Monitor on the bracket, slide the Monitor down into the bracket from the top until the release button clicks.
4. Insert the Nurse Call cable jack into the Nurse Call receptacle. Plug the other end into the installed nurse call system.
5. Test the monitoring system. Refer to “Testing the Sensormat Pad Before First Use” on page 11.

Chair or Bed Footboard Mounting

To mount the Bed-Check Cordless Monitor on a chair or on a bed footboard, you will need a **Wire Bracket (0120-123)**.

1. Slide the Wire Bracket into the slots on the back of the Monitor as shown here.



2. Use the clip to attach the Monitor securely to the back of the chair, in a place that the resident cannot easily reach.
3. Ensure that the Monitor is clipped to the outside of the chair to reduce any discomfort for the resident.

Interfacing with a Nurse Call System

The Bed-Check Monitor can be used to trigger a Nurse Call system that works with call button circuits that are normally open, closing only when the call button is depressed. Normally closed Nurse Call systems are not supported.

The Monitor accepts a common ¼" mono plug that can be wired to a Nurse Call system. The monitor will alarm if a Nurse Call jack is inserted or removed while monitoring a patient on the pad. If the Nurse Call jack needs to be adjusted while a patient is on the pad use the "Temporary Disable Mode" to allow this. When installing a Nurse Call jack, we recommend using the wall mount bracket in the manner shown, which provides cable restraint to help prevent accidental unplugging of the jack. Note that the cable must be inserted before the bracket is mounted on the wall.



If your nurse call system does not provide a compatible input or if you want to wire a push button cord in parallel with the monitor, contact your biomedical department to obtain the appropriate adapter. The monitor does not have an input to allow a push button to be wired in parallel.

If requesting information on interfacing the Monitor to a nurse call system, please have the following information available:

- The brand of your nurse call system.
- A description of the system's call cord or pillow speaker, including the type of plug and number of pins in the plug.
- Whether your nurse call system is normally open or normally closed.

If this information is not available, you may still contact us for assistance, and we will be glad to help you.

Nurse Call Alarms

With a Nurse Call cable plugged in, the Monitor calls the Nurse Call system continuously during a pad exit alarm, supervision warning, or imminent battery failure. However, low battery warnings are not sent.

The Nurse Call jack can be used in all 3 audio volume settings (HI, LO and NC). When a Nurse Call jack is plugged in and the monitor's alarm volume is set to "NC", all local alarms except Nurse Call jack-related alarms are muted on the monitor. The "NC" volume setting is ignored if no Nurse Call jack is plugged in.

Note: An alarm sent to the Nurse Call system cannot be cancelled from the Monitor alone. After dealing with the resident according to your care policy, the alarm must first be cancelled on the monitor, and then at the Nurse Call system. Refer to the Nurse Call system user guide for details on cancelling alarms at the Nurse Call station.

The Monitor also alarms audibly when the Nurse Call jack is plugged in or unplugged while the resident is on the pad. To connect or disconnect the Nurse Call jack while the resident is on the pad, you must temporarily disable the monitor.

Maintenance

The Monitor and the Sensormat pad may be cleaned with a damp cloth or sponge using mild disinfectants. Never use alcohol, acidic or harsh petroleum-based cleaners.

The Monitor tolerates all EtO (ethylene oxide) gas sterilization processes below 70 degrees C. Other types of gas sterilization are NOT to be used on the Monitor (e.g., formaldehyde, chlorine or hydrogen peroxide). Do NOT sterilize the Sensormat pad.

Note: Remove the rubber bumper before sterilization to ensure that the entire monitor surface is sterilized.

To ensure maximum performance, follow these guidelines:

- Replace the Sensormat mat every 14 or 180 days, depending on the pad type. **Note: The Sensormat Pad is for single resident use only.**
- If maintenance or opening of the Monitor is required, it should be performed in a static-free environment by qualified personnel.
- Replace the batteries in the Monitor upon low battery signal.
- Perform regular status checks on Monitors (status and connection). See Status Checks below.

Status Checks

Perform the following checks, on Monitors and Sensormat pads, on a regular basis (according to your facility policy):

1. Apply hand pressure to the Sensormat pad and maintain pressure for about 6 seconds. The Monitor should beep once, and the Status LED should flash GREEN every two seconds.
2. Release hand pressure. The Monitor should sound an alarm.
3. Press the Reset button on the Monitor to silence the alarm.
4. If the Monitor did not signal an alarm, do not place the Sensormat pad into service.
5. Repeat this test using a new Sensormat pad to confirm that both the Monitor and Sensormat pad are working before putting them into service.
6. If the Monitor is used with a nurse call system, verify that the remote alarm also sounded during the test.

Regulatory Compliance

FCC

47 CFR Part 15, Class B Device

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IEC/UL

Conforms with IEC/UL 60601-1 3rd Edition. This device was tested to conform with IEC/UL 60601-1 3rd Edition by a third party assessment completed by Nemko.

RoHS

RoHS Directive – 2002/95/EC

Warranty Information

LIMITED WARRANTY:

BED-CHECK® CONTROL UNITS

1. WARRANTOR:

This Limited Warranty is given by STANLEY Healthcare, 130 Turner Street, Waltham, MA 02453.

2. DURATION:

This Limited Warranty begins on the date the product is delivered to the purchaser and continues for a period of two years (new units) or one year (refurbished units).

3. TO WHOM THIS LIMITED WARRANTY IS GIVEN:

This Limited Warranty is given to the original purchaser of Bed-Check's products only.

4. PRODUCTS COVERED:

This Limited Warranty covers all Bed-Check Control Units. (i.e., Bed-Check Cordless, Model Vr, Classic-Check, Chair-Check II, and Basic-Check)

5. WHAT IS COVERED UNDER THIS LIMITED WARRANTY:

Defects in material and workmanship which occur within the defined duration of this limited warranty. Warrantor makes no other warranties expressed or implied, including without limitation, warrantor makes no warranty as to merchantability or fitness for a particular purpose.

6. WHAT IS NOT COVERED UNDER THIS LIMITED WARRANTY:

- a) ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CONTROL UNITS.
- b) ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM USE OF THE CONTROL UNITS WITH ANOTHER MANUFACTURER'S PRESSURE SENSITIVE MAT, SENSING DEVICE, OR OTHER FALL PREVENTION PRODUCT.

NOTE: SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

- c) Any defects or damage to the Control Units that may result from use of the Control Units with another manufacturer's parts, pressure sensitive mat, sensing device, or other fall prevention product.
- d) Any failure that results from an accident, purchaser's abuse, neglect or failure to operate the Control Units in accordance with the instructions provided in the owner's manual(s) supplied with the Control Units.
- e) Any Control Units which have the serial numbers altered, defaced or removed.
- f) Any Control Units which have been altered or modified in any way without the express written consent of Bed-Check.
- g) Any Control Units which have been repaired other than by Bed-Check.

7. RESPONSIBILITIES OF WARRANTOR UNDER THIS LIMITED WARRANTY:

- a) In the event of a defect, malfunction, or other failure of the product not caused by any misuse or damage to the product while in the possession of purchaser, the warrantor will remedy the failure or defect without charge to the purchaser within a reasonable time. The remedy will consist of repair or replacement of the product, or refund of the purchase price, at the warrantor's option. If the product is no longer available, warrantor will supply purchaser with a comparable product or refund the purchase price at warrantor's option. However, the warrantor will not elect refund unless it is unable to provide replacement, and repair is not commercially practicable and cannot be made within a reasonable time, or unless the purchaser is willing to accept such refund.
- b) If this product or one of its component parts contains a defect or malfunction, after a reasonable number of attempts by the warrantor to remedy the defects or malfunctions, the purchaser will be entitled to either a refund or replacement of the product or its component part or parts. Replacement of a component part includes its free installation.

8. RESPONSIBILITIES OF THE PURCHASER UNDER THIS LIMITED WARRANTY:

- a) Disinfect the Control Unit, if necessary, so that it is reasonably free from infectious matter.
 - b) Package the Control Unit with a minimum of two inches of shock absorbent packaging material.
- Deliver or ship the Control Unit to:

STANLEY Healthcare, 130 Turner Street, Waltham, MA 02453. Freight costs, if any, must be borne by the purchaser.

- c) Use the Control Unit with reasonable care and in accordance with the supplied owner's manual.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

LIMITED WARRANTY: BED-CHECK® SENSORMATS®

1. WARRANTOR:

This Limited Warranty is given by STANLEY Healthcare, 130 Turner Street, Waltham, MA 02453.

2. DURATION:

This Limited Warranty begins on the date the product is delivered to the purchaser and continues for a period of one year or for the duration of the warranty stated on the Sensormat label from the date first installed, whichever comes first.

3. TO WHOM THIS LIMITED WARRANTY IS GIVEN:

This Limited Warranty is given to the original purchaser of Bed-Check's products only.

4. PRODUCTS COVERED:

This Limited Warranty covers all Bed-Check Sensormats.

5. WHAT IS COVERED UNDER THIS LIMITED WARRANTY:

Defects in material and workmanship which occur within the period described in paragraph 2. Warrantor makes no other warranties expressed or implied, including without limitation, warrantor makes no warranty as to merchantability or fitness for a particular purpose.

6. WHAT IS NOT COVERED UNDER THIS LIMITED WARRANTY:

a) ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE SENSORMAT ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM USE OF THE SENSORMAT WITH ANOTHER MANUFACTURER'S CONTROL UNIT OR OTHER FALL PREVENTION PRODUCT.

NOTE: SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

- b) Any defects or damage to the Sensormat that may result from use of the Sensormat with another manufacturer's parts, control unit, or other fall prevention product.
- c) Any failure that results from an accident, purchaser's abuse, neglect or failure to operate the Sensormat in accordance with the instructions provided on the Sensormat label.
- d) Any Sensormat which has the serial numbers altered, defaced or removed.
- e) Any Sensormat which has been altered or modified in any way without the express written consent of Bed-Check.
- f) Any Sensormat which has been repaired other than by Bed-Check.

7. RESPONSIBILITIES OF WARRANTOR UNDER THIS LIMITED WARRANTY:

- a) In the event of a defect, malfunction, or other failure of the product not caused by any misuse or damage to the product while in the possession of purchaser, the warrantor will remedy the failure or defect without charge to the purchaser within a reasonable time. The remedy will consist of repair or replacement of the product, or refund of the purchase price, at the warrantor's option. If the product is no longer available, warrantor will supply purchaser with a comparable product or refund the purchase price at warrantor's option. However, the warrantor will not elect refund unless it is unable to provide replacement, and repair is not commercially practicable and cannot be made within a reasonable time, or unless the purchaser is willing to accept such refund.
- b) If this product or one of its component parts contains a defect or malfunction, after a reasonable number of attempts by the warrantor to remedy the defects or malfunctions, the purchaser will be entitled to either a refund or replacement of the product or its component part or parts. Replacement of a component part includes its free installation.

8. RESPONSIBILITIES OF THE PURCHASER UNDER THIS LIMITED WARRANTY:

- a) Disinfect the Sensormat, if necessary, so that it is reasonably free from infectious matter.
- b) Package the Sensormat unfolded and in a flat position. Deliver or ship the Sensormat to STANLEY Healthcare, 130 Turner Street, Waltham, MA 02453. Freight costs, if any, must be borne by the purchaser.
- c) Use the Sensormat with reasonable care and in accordance with the supplied owner's manual.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

LIMITED WARRANTY:

BED-CHECK® CORDLESS TRANSMITTERS

1. WARRANTOR:

This Limited Warranty is given by STANLEY Healthcare, 130 Turner Street, Waltham, MA 02453.

2. DURATION:

This Limited Warranty begins on the date the product is delivered to the purchaser and continues for a period of one year, or for 180 days from the date first installed, whichever comes first.

3. TO WHOM THIS LIMITED WARRANTY IS GIVEN:

This Limited Warranty is given to the original purchaser of Bed-Check's products only.

4. PRODUCTS COVERED:

This Limited Warranty covers all Bed-Check Cordless Transmitters.

5. WHAT IS COVERED UNDER THIS LIMITED WARRANTY:

Defects in material and workmanship which occur within the period described in paragraph 2. Warrantor makes no other warranties expressed or implied, including without limitation, warrantor makes no warranty as to merchantability or fitness for a particular purpose.

6. WHAT IS NOT COVERED UNDER THIS LIMITED WARRANTY:

a) ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CORDLESS TRANSMITTER ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM USE OF THE CORDLESS TRANSMITTER WITH ANOTHER MANUFACTURER'S CONTROL UNIT OR OTHER FALL PREVENTION PRODUCT.

NOTE: SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

b) Any defects or damage to the Cordless Transmitter that may result from use of the Cordless Transmitter with another manufacturer's parts, control unit, or other fall prevention product.

c) Any failure that results from an accident, purchaser's abuse, neglect or failure to operate the Cordless Transmitter in accordance with the instructions provided on the Cordless Transmitter label.

d) Any Cordless Transmitter which has the serial numbers altered, defaced or removed.

e) Any Cordless Transmitter which has been altered or modified in any way without the express written consent of Bed-Check.

f) Any Cordless Transmitter which has been repaired other than by Bed-Check.

7. RESPONSIBILITIES OF WARRANTOR UNDER THIS LIMITED WARRANTY:

a) In the event of a defect, malfunction, or other failure of the product not caused by any misuse or damage to the product while in the possession of purchaser, the warrantor will remedy the failure or defect without charge to the purchaser within a reasonable time. The remedy will consist of repair or replacement of the product, or refund of the purchase price, at the warrantor's option. If the product is no longer available, warrantor will supply purchaser with a comparable product or refund the purchase price at warrantor's option. However, the warrantor will not elect refund unless it is unable to provide replacement, and repair is not commercially practicable and cannot be made within a reasonable time, or unless the purchaser is willing to accept such refund.

b) If this product or one of its component parts contains a defect or malfunction, after a reasonable number of attempts by the warrantor to remedy the defects or malfunctions, the purchaser will be entitled to either a refund or replacement of the product or its component part or parts. Replacement of a component part includes its free installation.

8. RESPONSIBILITIES OF THE PURCHASER UNDER THIS LIMITED WARRANTY:

a) Disinfect the Cordless Transmitter, if necessary, so that it is reasonably free from infectious matter.

b) Package the Cordless Transmitter with a minimum of two inches of shock absorbent packing material. Deliver or ship the Cordless Transmitter to:

STANLEY Healthcare, 130 Turner Street, Waltham, MA 02453. Freight costs, if any, must be borne by the purchaser.

c) Use the Cordless Transmitter with reasonable care and in accordance with the supplied owner's manual.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Notes:

Notes:

Notes:

www.StanleyHealthcare.com

STANLEY Healthcare
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