SkiL-Care™ USA
CORPORATION
Clinically tested. Patient approved for over 40 years.

SignalSafe Fall Monitor

Wired Pad Status   Magnet Status

Mini-Phone Plug   Low Battery

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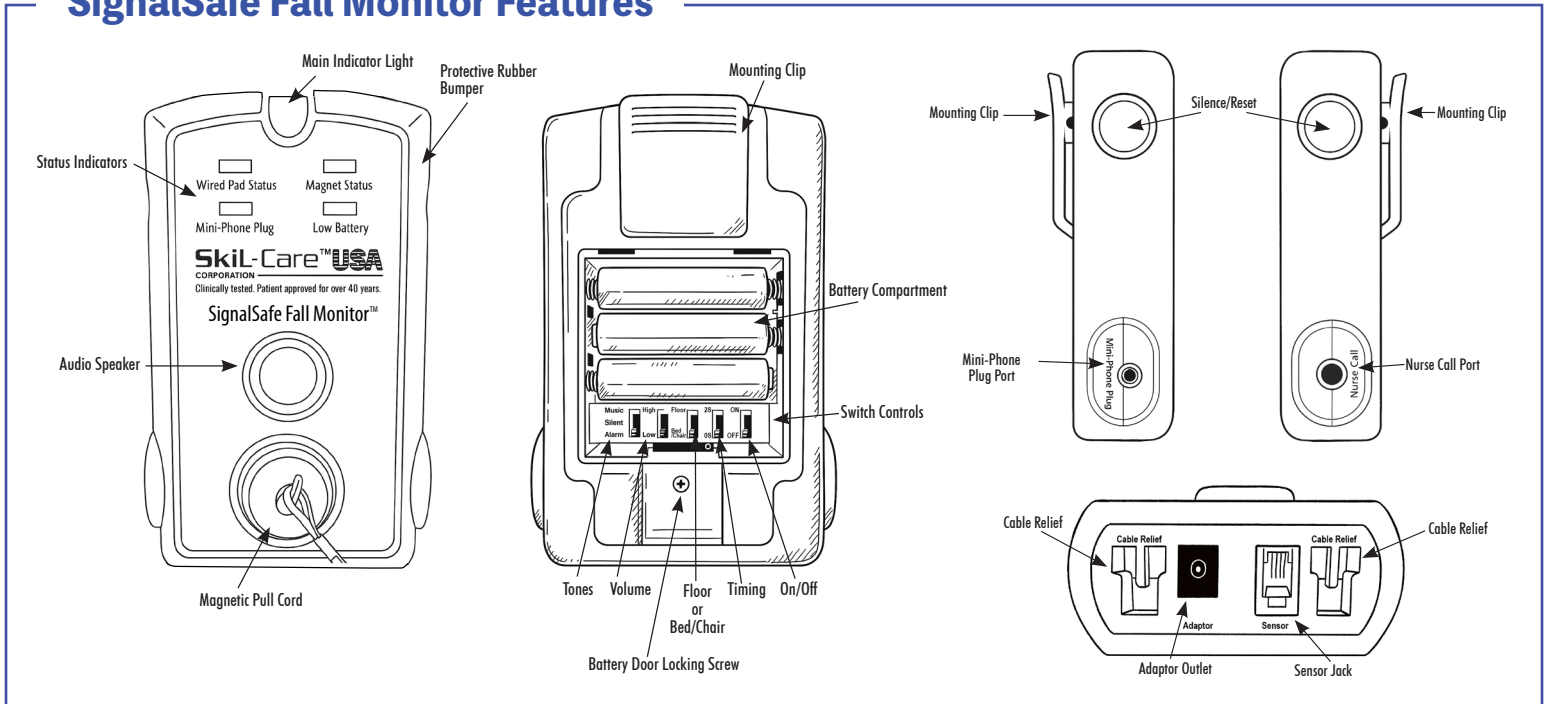# SignalSafe Fall Monitor™

Re-Order #	Size	Unit
909500	5.5"H x 3.5"W x 1.5"D	Each
909502	5.5"H x 3.5"W x 1.5"D	10/pk

Overview

The Skil-Care SignalSafe Fall Monitor is an essential component in any fall management program, designed to help caregivers proactively address the risks of patient falls. Engineered with user-friendly features and built with reliability in mind, this monitor helps reduce alarm fatigue, ensuring caregivers stay focused on true safety events by providing timely alerts when a patient attempts to leave a bed, chair, or other monitored surface.

SignalSafe Fall Monitor Features

Feature Descriptions

Status Indicators: Displays the operational state of key components, including the Mini-Phone plug, wired sensor pad, magnetic pull cord, and battery status.

Main Indicator Light: Visually displays the monitor's status: Monitoring, Pre-Monitoring, Standby, or Alerting through distinct illumination cues.

Magnetic Pull Cord: Activates the alarm when detached, alerting caregivers to a potential fall or unsafe movement.

Battery Compartment: Houses switch controls and three AA batteries that power the monitor.

Switch Controls: Enable caregivers to customize alarm settings such as tone, volume, delay, and pressure mode for individualized care.

Mounting Clip: Secures the monitor to a bed, chair, or wheelchair for optimal positioning.

Silence/Reset Buttons: Quickly pressing both buttons simultaneously will reset or silence the monitor. Holding both buttons for three seconds places the unit into Standby Mode.

Nurse Call Outlet: Connects directly to a facility's nurse call system, allowing the monitor to trigger a remote alert at the nurse's station when activated.

Feature Descriptions (cont.)

Mini-Phone Plug Outlet: Connects to compatible sensors, such as seat belt sensors, to detect user activity and trigger alerts.

Cable Relief: Prevents cord strain and accidental disconnection of the sensor cable.

Adaptor Outlet: Allows the use of an optional power adaptor in place of batteries.

Sensor Jack: Connects RJ11-compatible sensor pads to monitor patient movement and trigger alerts.

Getting Started: Preparing Your SignalSafe Fall Monitor

Battery Installation:

The SignalSafe Fall Monitor includes three AA batteries for your convenience, but it is compatible with any brand of AA alkaline batteries.

1. **Open the Battery Cover**
   Press in the release tongue at the bottom of the battery compartment to unlock and remove the cover plate (Fig. 1).

2. **Ensure Power is OFF**
   Before inserting the batteries, make sure the power switch is in the OFF position to prevent accidental activation during installation.

3. **Insert the Batteries**
   Insert them into the compartment following the correct polarity (+ and - symbols marked inside) (Fig. 2).

4. **Close the Battery Compartment**
   Slide the battery cover back into place until it clicks or feels secure.

5. **Optional Battery Door Screw**
   Provides tamper resistance by securing the battery compartment, preventing unauthorized access to alarm switches or accidental power-off.
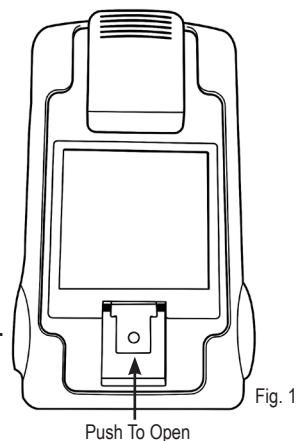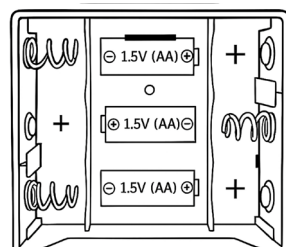
Fig. 1

Push To Open

⊖ 1.5V (AA) ⊕

⊕ 1.5V (AA) ⊖

⊖ 1.5V (AA) ⊕

Fig. 2

Battery Caution

Replace all batteries when the yellow low battery light flashes. Do not mix old and new batteries or different brands. Damaged or leaking batteries may cause malfunctions. If you notice corrosion (e.g., white powder), remove the monitor from use and notify facility staff. Remove batteries during long-term storage.

Alarm Condition and Light Key

Flash and Audio	Condition	Description
Blinking Green (every 5 seconds)	Monitoring Mode	The unit is actively monitoring a connected sensor (pad, magnet, or seatbelt).
Blinking Red	Pre-Monitoring Mode	The unit was reset or powered on and has detected an invalid or disconnected sensor in one of the input ports.
Solid Red	Standby Mode	The unit is in Standby Mode and will not trigger an alarm in response to sensor input changes. It will automatically exit Standby after two minutes or when a valid sensor connection is re-established.
No Light / Off	Power Off	The unit off and not monitoring.
Blinking Green and Red	Monitoring & Pre-Monitoring	One of the active sensor ports is currently in Monitoring Mode, while another port is in Pre-Monitoring Mode, waiting to detect re-established connection.
Blinking Yellow	Low Battery Indicator	When the monitor detects a low battery condition, the Low Battery Status indicator will flash yellow every 5 seconds, signalling that the batteries should be replaced soon to ensure continued operation.
Alarm Sound + Flashing Red	Triggered Alert	Sensor condition has changed (e.g., magnet removed, seatbelt unbuckled, or pressure removed from pad or detected on the floor mat)
Single Beep	Detected a Port Connection	The unit will emit a single beep to confirm either: (1) the RJ11, Mini Phone Plug, and Magnet connections, or (2) that the seat belt has been buckled and the Reset buttons pressed.
Two Beeps	Power On & Monitoring Restored	The unit will beep twice: once when power is turned on, and when pressure is detected on the sensor pad while in Bed/Chair mode.

Switch Settings

Switch Modes	Description
Tone	Customizing the alarm tone helps reduce auditory fatigue and supports a calmer care environment. The user can select from a musical tone, standard alarm, or silent alert mode. (Silent mode is recommended only when the monitor is connected to a nurse call system.)
Volume	Sets the volume to high or low.
Pressure Monitoring Mode	Switches the monitoring mode between Pressure-Off (for bed and chair pads) and Pressure-On (for floor pads).
Alarm Delay (0S-2S)	Adds a 2-second delay before the alarm sounds an alert.
Power	Turns the unit ON or OFF.

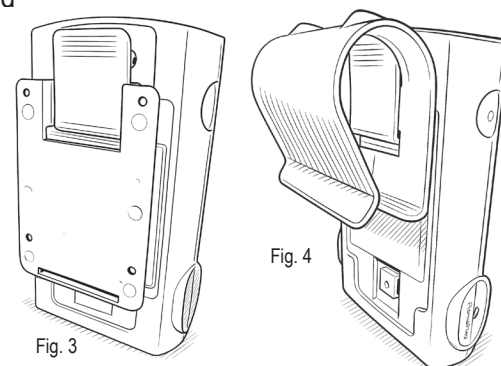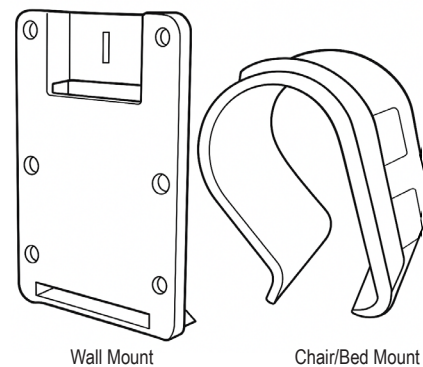# Mounting the SignalSafe Fall Monitor

The SignalSafe Fall Monitor includes two convenient mounting bracket options to accommodate different environments: a **Wall Mount** and a **Chair/Bed Mount**. Both styles offer secure, reliable installation and allow the monitor to be easily attached and removed when needed. The Wall Mount is designed for permanent installation using screws, while the Chair/Bed Mount provides flexible, tool-free placement on most chairs, wheelchairs, or bed frames.

Wall Mount   Chair/Bed Mount

Wall Mount Installation

1. Position the Wall Mount Bracket so that the flat side is flush against the wall.

2. Secure the bracket using the four included screws, ensuring it is level and firmly attached.

3. Once the bracket is securely mounted, slide the monitor's rear clip into the top opening of the wall bracket.

4. Push down until the monitor clicks into place, confirming it is locked and stable (Fig. 3).

Fig. 3

Fig. 4

Chair/Bed Mount Installation

1. Align the clip on the back of the monitor with the top opening of the Chair/Bed Mount.

2. Slide the monitor down into the bracket until you hear a "click," indicating it's securely locked in place (Fig. 4)

3. Ensure the curved side of the bracket is facing outward.

4. Slide the bracket over the back of a chair, wheelchair, or bed frame, confirming it fits snugly and won't slip or fall during use.

Magnetic Pull Cord Use Instructions

Important: Ensure the monitor is turned OFF before beginning setup.

1. **Enable Nurse Call (Optional):** If you are using a nurse call system, insert a 1/4-inch (6.35 mm) mono phone plug into the monitor's nurse call port and connect the other end to the facility's wall port.
2. **Attach Magnet:** Place the magnet onto the designated sensor area on the front of the monitor.
3. **Secure Clip:** Attach the clothing clip to the resident's clothing at shoulder or chest level.
4. **Adjust Cord:** Allow enough slack in the cord for normal movement but ensure it will detach if the resident attempts to stand or move beyond safe limits.
5. **Set Monitor Features:** Before turning the monitor ON, confirm that the Tone and Timing switches (located in the battery compartment) are set to the desired alarm settings.
6. **Turn Monitor ON:** Move the ON/OFF switch (inside the battery compartment) to the ON position. The unit will beep three times: twice to indicate the power is on, and once to confirm the magnet connection.
7. **Confirm Monitoring Status:** The unit is actively monitoring when both the Magnet Status Indicator and Main Indicator Light are blinking green every 5 seconds.

Magnetic Pull Cord Use (cont.)

During Use:

If the **magnet detaches** from the front of the monitor, the unit will trigger an alert in three ways: Audible alarm sound, Optional nurse call system is activated, and the Main Indicator Light flashes red rapidly.

To **silence/reset** the alert, press and release both reset buttons simultaneously. The unit will emit a single beep, and the Main Indicator Light will continue to blink red rapidly until the magnet is reattached to the monitor.

Once **the magnet is reconnected**, the unit will emit a single beep, and the indicator light will return to blinking green, confirming the unit is actively monitoring the patient again.

Note: The magnet sensor functions properly regardless of the position of the **Floor or Bed/Chair** mode switch.

Disabling the Magnet Sensor Port
If you do not wish to use the magnetic pull cord feature, you can disable the magnet sensor port:

1. **Turn the monitor OFF.**
2. **Remove the magnet** from the front sensor area.
3. **Turn the monitor back ON.**

The unit will automatically recognize that the magnet is not present and disable the magnetic sensor function. Other connected sensors (such as bed, chair, floor pads, or seat belt sensors) will continue to operate normally.

Wired Sensor (Floor,Chair,Bed + Seat Belts) Use Instructions via RJ11 Jack

Important: Ensure the monitor is turned OFF before beginning setup.

1. **Enable Nurse Call (Optional):** If using a nurse call system, insert a 1/4-inch (6.35 mm) mono phone plug into the monitor's nurse call port and connect the other end to the facility's wall port.
2. **Connect Wire Sensor (Pad/Belt):** Plug the sensors RJ11 connector into the Sensor Jack on the monitor.
3a. **Position Sensor Pad:**
    - For **bed use**, place the pad under the resident's back or buttocks area, beneath the sheet.
    - For **chair use**, place the pad on the seat beneath the resident's buttocks.
    - For **floor use**, place the pad beside the bed or wheelchair in the expected path of exit. Ensure the surface is dry and the pad lies flat. Route the cord safely away from walkways or moving equipment.
3b. **See Mini Phone Plug Seat Belt Sensor.**
4. **Secure Cord:** Route the sensor pad cord securely to prevent tripping, tangling, or accidental disconnection.
5. **Set Monitor Features:** Before turning the monitor ON, confirm that the Tone, Timing, and Bed/Chair/Floor switch (located in the battery compartment) is set to match the sensor pad's placement.
6. **Turn Monitor ON:** Move the ON/OFF switch (inside the battery compartment) to the ON position. The unit will beep three times: twice to indicate the power is on, and once to confirm the sensor pad has been detected.
7. **Confirm Monitoring Status:** a) When in Bed or Chair Mode, the unit will beep twice upon detecting pressure on the sensor pad. The Wired Pad Status Indicator and Main Indicator Light will blink green every 5 seconds, confirming the unit is actively monitoring. b) When in Floor Mode, the unit will immediately begin blinking green every 5 seconds once a valid sensor is detected, no beep will occur.

During Use

When the seat belt is unbuckled and/or the resident removes pressure from a bed or chair pad or steps onto a floor pad the unit will trigger an alert in three ways: Audible alarm sounds, Optional nurse call system is activated, Main indicator light flashes red rapidly.

To **silence/reset** the alert, press and release both reset buttons simultaneously. The unit will emit a single beep, and the Main indicator Light will continue blinking red rapidly until the triggering condition is resolved (i.e., the resident returns to bed/chair or is no longer on the floor pad).

When **monitoring conditions** are restored and the unit set to Bed/Chair mode, it will emit two beeps upon detecting pressure on the sensor pad. The Main Indicator Light will resume blinking green, confirming the monitor is active.

Note: Be sure the correct mode (Bed, Chair, or Floor) is selected for accurate function and alerting.

Mini Phone Plug (Seat Belt Sensor) Use Instructions

Important: Ensure the monitor is turned OFF before beginning setup.

1. **Enable Nurse Call (Optional):** If using a nurse call system, insert a 1/4-inch (6.35 mm) mono phone plug into the monitor's nurse call port and connect the other end to the facility's wall port.
2. **Connect Seat Belt Sensor:** Insert the seat belt sensor's mini phone plug into the Mini-Phone Plug Port on the monitor.
3. **Secure Seat Belt:** Fasten the sensor-equipped seat belt around the resident as you would with a standard lap belt. Ensure it is comfortably snug and properly buckled.
4. **Set Monitor Features:** Before turning the monitor ON, confirm that the Tone and Timing switches (located in the battery compartment) are set to your desired alarm preferences.
5. **Turn Monitor ON:** Move the ON/OFF switch (inside the battery compartment) to the ON position. The unit will beep three times: twice to indicate the power is on, and once to confirm the seat belt connection.
6. **Confirm Monitoring Status:** The unit will beep once when the seat belt is buckled. The unit is actively monitoring when both the Mini Phone status indicator and Main indicator light are blinking green every 5 seconds.

During Use

If the seat belt is unbuckled, the unit will trigger an alert in three ways: Audible alarm sounds, Optional nurse call system is activated, and the Main indicator light flashes red rapidly.

To **silence/reset** the alert, press and release both reset buttons simultaneously. The unit will emit a single beep, and the **Main indicator Light** will continue blinking red rapidly until the seat belt is re-buckled.

Once the seat belt is re-secured, the unit will emit a single beep and the Main Indicator Light will return to blinking green, confirming the monitor is actively monitoring again.

Note: The seat belt sensor functions through a simple open/close circuit. Ensure the mini-phone plug is fully inserted and the belt is securely latched to avoid false alerts.

Simultaneous Monitoring Capability

The SignalSafe Fall Monitor is equipped with three independent sensor input ports:
   • Magnet Sensor Port (front plate)
   • Wired Sensor Jack (typically used for sensor pad)
   • Mini-Phone Plug Port (typically used for seat belt sensors)

All three ports are active simultaneously, allowing caregivers to use multiple sensors at once for enhanced fall prevention coverage. For example, a monitor can be connected to:
   • A bed sensor pad (vía RJ11)
   • A seat belt sensor (via mini-phone plug)
   • And a magnetic pull cord (via the front sensor plate)

If any one of the connected sensors is triggered such as pressure removal from a pad, an unbuckled seat belt, or a detached magnet, the monitor will: Sound an audible alarm, Trigger the optional nurse call system (if connected), Flash the Main Indicator Bulb red rapidly. This multi-sensor configuration ensures greater flexibility and a higher level of safety, particularly in settings where a resident may transition between bed, chair, or mobility equipment.

Note: Each sensor functions independently and does not interfere with the operation of the others. Proper configuration of the Tone, Timing, and Mode switches is recommended to optimize performance based on the sensors in use.

Standby/Pause Mode

The SignalSafe Fall Monitor includes a Standby Mode feature that allows caregivers to temporarily disable alarm responses during care routines or resident transfers.

To activate Standby Mode:
   • Press and hold both reset buttons simultaneously for three seconds.
   • The Main Indicator Light will turn solid red, confirming the unit is in Standby Mode.

While in Standby Mode:
   • The monitor will not sound an alarm if:
        • Pressure is removed from a sensor pad or pressure is detected on the floor mat.
        • The seat belt is unbuckled.
        • The magnetic pull cord is detached.
This function helps reduce alarm fatigue by preventing unnecessary alerts during repositioning, toileting, or brief mobility assistance, allowing staff to remain attentive to meaningful events.

To Exit Standby Mode:
Standby Mode will automatically deactivate in the following ways:

   • Pressing and holding both reset buttons a second time simultaneously for three seconds
   • When pressure is reapplied to a chair or bed sensor pad
   • When the magnet is reattached to the front of the unit
   • When the seat belt is re-buckled

The Main Indicator Light will return to blinking green, confirming the unit is once again actively monitoring.

NOTE: When using the Floor Sensor Mode, the monitor will not exit Standby Mode early if the resident steps on the pad.

Timeout Behavior:
   • If none of the above actions occur, the unit will automatically exit Standby Mode after two minutes.

Nurse Call Interface

The SignalSafe Fall Monitor includes a **Nurse Call Port** designed to integrate with a facility's existing nurse call system, providing remote alert capability when the unit is triggered.

Connection:
   • The port accepts a standard 1/4-inch (6.35 mm) mono phone plug.
   • To enable nurse call functionality, connect one end of the cable to the monitor's Nurse Call Port, and the other end to the corresponding wall jack in the facility.

Functionality:
   • When a connected sensor (e.g., bed pad, chair pad, floor pad, seat belt, or magnetic pull cord) is triggered, the monitor will:
   • Sound an audible alarm (if enabled)
   • Activate the nurse call system, sending a remote alert to the nurse's station or central monitoring system.
   • Flash the Main Indicator Light red rapidly.

Silent Alert Option:
   • For environments where quiet operation is preferred, the monitor can be set to silent mode, disabling the built-in sound while still triggering the nurse call system.
   • Important: Silent mode should only be used when the unit is properly connected to the nurse call system to ensure caregiver notification.

Compatibility:
   • The Nurse Call Port is designed to be universally compatible with most standard nurse call systems using mono plug interfaces. Adapters may be required for certain proprietary systems.

Cleaning, Storage & Maintenance

Wipe the SignalSafe Fall Monitor with a damp cloth and mild, non-abrasive disinfectant. Do not submerge or spray directly onto the unit. Store in a cool, dry place away from direct sunlight, moisture, or extreme temperatures. Regularly check batteries, LED lights, and cord connections. Replace batteries as needed and inspect for signs of wear or damage.

Troubleshooting Guide

Issue	Possible Cause	Solution
No power / No lights	Batteries not installed, low, or incorrectly inserted	Check that 3 AA alkaline batteries are installed correctly and replace if needed.
Monitor not alarming when expected	Sensor not connected properly, or mode switch set incorrectly	Verify sensor plug is securely connected and Bed/Chair/Floor switch matches sensor type.
Monitor alarms immediately when turned on	Sensor pad not detecting pressure, seat belt is open, or magnet is detached	Ensure pad is under the resident, belt is buckled, or magnet is properly attached.
Monitor not resetting	Reset buttons not pressed correctly	Press and release both reset buttons simultaneously; hold 3 seconds to enter Standby Mode.
No sound from monitor	Monitor is in Silent Mode or volume is turned off	Check Tone setting and ensure monitor is not set to Silent unless using nurse call system.
Nurse call system not activating	Cable not connected or incompatible plug	Confirm 1/4" mono plug is securely connected to both the monitor and facility wall port.
Sensor not recognized	Sensor plugged in after monitor powered on	Turn monitor OFF, connect sensor, then turn ON again to reinitialize.
Main Indicator Light is solid red	Monitor is in Standby Mode	Reactivate by reconnecting the sensor and pressing both reset buttons or waiting 2 minutes (Floor Mode may require timeout or power cycle).
Unit doesn't exit Standby Mode	Used with Floor Pad	Floor Mode only exits Standby after 2 minutes. To manually exit: Press and hold both reset buttons a second time simultaneously for three seconds or turn the unit OFF and ON again.
Yellow Low Battery Indicator is blinking and/or All Indicator Lights are blinking	Batteries are low and/or severely depleted	Turn power off and replace all batteries

If issues persist, replace the batteries and confirm you're using compatible accessories. Contact your distributor or Skil-Care for further assistance.

Additional Alarm Accessories

Item Number	UOM	Description
909348	Each	A/C Adapter 6 Volts
909242	Each	Nurse Call Cable 1/4-inch (6.35 mm)
909247	Each	Y-Connector 1/4-inch Nurse Call Dual Interface
909248	5/Pack	Replacement Kit (Battery Door, Magnet String & Battery Door Screws)

Visit our website to explore our full line of Skil-Care sensor pads and belts. Designed to enhance safety and monitoring in any environment.

www.skil-care.com