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## CAUTION

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⇒ THE BEDCALL MONITOR MAY NOT BE APPROPRIATE FOR USE IN EVERY “HIGH RISK” ASSESSMENT. RESTRAINTS MAY BE NECESSARY.

⇒ THIS SYSTEM SHOULD NOT REPLACE ANY EXISTING MONITORING PROTOCOLS.

⇒ THIS SYSTEM MAY NOT DETECT PATIENTS WHOSE WEIGHT IS LESS THAN 75 POUNDS.

⇒ THE MONITOR MAY FAIL TO ALARM IF THE ULTIMAT HAS BEEN CREASED OR ROLLED.

⇒ THE ULTIMAT MUST BE STORED FLAT.

⇒ ENSURE SYSTEM EFFICIENCY BEFORE EACH USE.

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## SPECIFICATIONS

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### BED CALL MONITOR

CATALOG NUMBER: B2500

DIMENSIONS: 5" X 3" X 1.3"

WEIGHT: 1lb 4oz.

### POWER SOURCE

TYPE: Wall Plug-In

CONFIGURATION: STD. U.S. 3-Prong

INPUT: 120VAC / 60hz. OUTPUT: 7VDC @ 400ma.

CORD: 8' 3-COND. / 18AWG

APPROVAL: UL E242312 Class 2 Power Supply

### NURSE-CALL SYSTEM INTERFACE

RATING: 0.01A

TYPE: Relay, dry contact closure

CONFIGURATION: STD. N/O

(N/C, one-shot & oscillating config. available)

CORD: 8' 2-COND. / 22AWG / .25" X 1.25" male jack

(config., same as standard call-cord

ie. Executone, Rauland Borg etc. )

### AUDIBLE ALARM

TYPE: Warble TYPICAL SOUND PRESSURE AT 2 FEET:

Approx. 75+ dBa. CENTER FREQUENCY: 2600 ±500hz

### ATTACHMENT

TYPE: Velcro strap with ABS buckle

### ULTIMAT (bed)

CATALOG NUMBER: U8500

DIMENSIONS: 3.5" X 31.5" X .020" WEIGHT: 2oz.

CORD: 5' 4-COND. / 26AWG with

4-POS modular connector

USE: Single Patient, 30 Days maximum

RESISTANCE: <233 Ohms / linear inch

RATING: 0.00025A

TYPE: SP3T Pressure contact switch

## BEDCALL MONITOR ONE YEAR WARRANTY A LIMITED WARRANTY

For one year after the original date of purchase, Ultimate Safety, Incorporated or its Authorized Service Centers, will repair this monitor (or at USI's option, replace with a like product) free of charge if defective in material or workmanship. This Limited Warranty does not include cleaning, or damage caused by accident, neglect, misuse or improper installation or operation, any damage caused from unauthorized repairs, maintenance, modifications or tampering by anyone other than a USI Authorized Service Representative or conditions beyond the control of USI, or operation of the monitor in excess of the specifications or with the Serial Number Label removed. USI DISCLAIMS ALL OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT TO THE EXTENT THAT ANY WARRANTIES IMPLIED BY LAW CANNOT BE VALIDLY WAIVED.

No oral or written information or advice given by USI, its Authorized Service Centers, distributors, dealers, agents, or employees, shall create another warranty or modify this warranty. This warranty states USI's entire liability and is your exclusive remedy against USI for any failure of the monitor to operate properly.

Neither USI nor anyone else involved in the development, production, or delivery of this monitor shall be liable for any indirect, incidental, special, consequential, exemplary, or punitive damages, including lost profits, arising from the use or inability to use the product, even if advised of the possibility of such damage. Because some states do not allow the exclusion or limitation of consequential or incidental damages, the above limitation may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights, which vary from State to State.

Assistance under this Limited Warranty is available through USI's Customer Support during normal business hours, Monday through Friday, excluding holidays. The numbers are listed below.

BedCall®

UltiMat®

EdgeSense®

SafeCall®

Are All Registered Trade Marks

Of Ultimate Safety, Inc.

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## BedCall Monitor



Model BC-05

## USER GUIDE

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← System Features →

## HOLD / RESET SWITCH

The HOLD / RESET feature allows nursing personnel to cancel an alarm or remove the patient from bed without causing an alarm.

The HOLD / RESET switch is on the left side of the monitor. The yellow HOLD light when lit indicates the monitor is on HOLD and not monitoring. The red ALARM light when flashing indicates the monitor is alarming.

Upon power up of the monitor, the yellow HOLD light should be lit. Depressing the HOLD / RESET switch once will place the monitor in a MONITORING condition (if the patient's weight is on the ULTIMAT) indicated by the green MONITORING light. Depressing the HOLD / RESET switch again will place the monitor back in a HOLD condition.

The BEDCALL monitor if left in a HOLD condition with the patient's weight on the ULTIMAT, will automatically begin monitoring after 10-15 seconds.

## TIME DELAY SWITCH

The TIME DELAY feature allows nursing personnel to adjust the amount of time a patient's weight is off of the ULTIMAT without causing a false alarm. The TIME DELAY is adjustable from 1 to 5 seconds and allows restless patients to shift their weight around in bed without sending a false alarm.

Upon power up of the monitor, the 3 green TIME DELAY lights should flash for approximately 5 seconds before defaulting to the 3 second setting.

Depressing the TIME DELAY button will cycle through the 3 available settings.

Many factors should be considered when determining what this setting should be. For example: If the patient has a history of attempting to ambulate without assistance and is agile, we recommend the 1-second setting. If the patient is elderly and not very agile, a 3 second setting is recommended.

If during the course of monitoring it is indicated that false alarms are occurring, we recommend that the next higher setting be used.

## EDGESENSE™ SWITCH

The EDGESENSE feature allows an extra level of protection for those patients who are at high risk for exiting the bed between the side rails.

Upon power up of the monitor, the EDGESENSE feature is disabled. Depressing the EDGESENSE switch once will turn on the green EDGESENSE light indicating the feature is active and enable the monitor to detect when a patient's weight is on either edge of the ULTIMAT.

Depressing the EDGESENSE switch again will deactivate this feature causing the green light to turn off and leave only the center of the ULTIMAT active.

## AUTOMATIC / MANUAL RESET SWITCH

The unit is factory set up in Automatic Reset Mode. The unit will return to monitoring from alarm if the patient returns to the mat or moves from the EdgeSense activation point to the center of the mat. We feel that this will cut down on isolated false alarms. The Unit will stay in alarm if the patient exits the bed until the hold/reset button is set.

If you prefer a Manual Reset, please remove the two screws from the back of the Unit and remove the cover. There is a square black connector cover on the face board of the Unit next to the red 3-button DIP switch. Remove the square black connector cover and reassemble the Unit. To switch back to Automatic Reset, reinstall the square black connector cover.

## Volume Control \*\* NEW \*\*

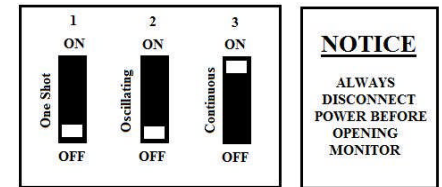
The volume control knob is now located on the motherboard next to the blue relay. With the BedCall enclosure opened and the unit in an "alarm" condition the knob can be turned with a small head regular screwdriver to adjust the volume to the desired level.

← BedCall™ System Setup →

- Plug the BEDCALL monitor's low voltage power supply into the AC wall outlet
- Connect the BEDCALL monitor's nurse-call cord to the nurse-call system.
- Secure the monitor to the bed frame with the VELCRO strap. The monitor should be placed in a position that is convenient for nursing but out of sight and reach of the patient.
- The power & nurse cords should be positioned so that they do not pose a trip hazard.*

- Center the ULTIMAT on top of the bare mattress, 3-4 inches below the crease. Secure the Ultimatt to the bed using the attached bands & clips. For best results, loop around the frame or through a hole & attach the clip to the band.
- Plug the ULTIMAT cord into the monitor
- Select the desired TIME DELAY

← Optional Internal Settings →



- Switch # 1:** "One-Shot" relay operation (shown in the factory set "OFF" position). This feature allows the nurse-call alarm to be canceled at the nursing console before the monitor's in room alarm is silenced.
- Switch # 2:** Oscillating relay operation (shown in the factory set "OFF" position). Once in alarm, this feature allows the nurse-call interface to continuously oscillate between open & close, until the monitor is reset.
- Switch # 3:** Continuous closure relay operation (shown in factory set "ON" position). This setting triggers the nurse-call system upon alarm with a continuous closure and requires the user to reset the monitor before the nurse-call alarm at the nursing console can be silenced.

**Relay must be to only 1 of 3 available settings. (i.e.: if continuous closure is switched "ON", the other 2 relay switches must be set to "OFF").**

← BedCall™ System Testing →

- [1] Lay the palm of your hand on the center of the ULTIMAT. Wait approximately 10-15 seconds or depress the HOLD / RESET switch and notice the green MONITORING light is lit.
- [2] Remove your palm from the ULTIMAT. Once the TIME DELAY has elapsed, the monitor should alarm.
- [3] Depress the HOLD / RESET switch once to reset the monitor, then cancel the nurse-call system alarm at the patient station.
- [4] To test the EDGESENSE feature, depress the EDGESENSE switch once to activate the feature. Repeat step 1 above but do not remove your palm from the center of the ULTIMAT. Then place your other hand on the edge of the ULTIMAT and once the TIME DELAY has elapsed, the monitor should alarm.
- [5] Repeat step 3 to cancel the alarms.