

INSTRUCTION MANUAL

# 2300 SERIES



BARIATRIC SERIES

PLEASE CAREFULLY READ INSTRUCTIONS  
BEFORE USING THE BED

## PRE-OPERATION CHECK

### **WITH BED IN POSITION CHECK THE FOLLOWING:**

- Electric beds should ONLY be used where earth leakage is fitted to the power source.
- Check power cord is plugged into 240V supply and is active.
- Check power cord is clear of castors and any moving part of bed.
- Ensure power cord has enough slack so cord is not strained when the bed is raised and lowered.
- Position bed at least 50mm from the floor in the lowest position. Lock castors. This position is critical so as not to damage the wall when raising the bed.
- Before using bed perform all functions to ensure they are working properly. If not please call your service technician or call Alrick Technician Team on +61 2 6898 1700.

**\*\* When fitting safety sides to this bed please beware of the possible crushing points.  
The clamps can create crushing points on the rails. \*\***

## MODELS AVAILABLE

**1070mm Series Bed**

**1200mm Series Bed**

**1370mm Series Bed**

**1500mm Series Bed**

**1800mm Series Bed**

### **OPTIONS AVAILABLE**

**CLOK7** 125mm Central Locking Castors

**C.EXT7000** Clip on Extension

**ABB** Battery Backup

**CPR** Emergency Release

**ACK** Attendant Control

Head & Foot Board Options

## SPECIFICATIONS

<b>HEIGHT RANGE:</b>	270-750mm
<b>BACKREST ANGLE:</b>	75 Degrees
<b>KNEEBREAK ANGLE:</b>	55 Degrees
<b>SWL:</b>	300KG
<b>OVERALL DIMENSION:</b>	2000 x 1070mm 2000 x 1200mm 2000 x 1370mm 2000 x 1500mm 2000 x 1800mm
<b>WEIGHT OF BED:</b>	1070 Series: 120KG 1200 Series: 130KG 1370 Series: 134KG 1500 Series: 138KG 1800 Series: 162KG

**MATTRESS SIZE:** Size will differ depending on model

## ELECTRICAL DATA

<b>U In:</b>	230V ~, 50Hz
<b>I In:</b>	Max. 1.5A
<b>U Out:</b>	24V $\overline{\text{~}}$ , max. 70W
<b>Op.:</b>	10%, Max. 2min./18min.
<b>PROTECTION CLASS:</b>	1P x 4
<b>INSULATION CLASS:</b>	II Type B
<b>NOISE:</b>	48DBA

## IMPORTANT

- Check electric cords regularly and notify an electrician or Alrick Manufacturing on +61 2 6898 1700 immediately. If any damage occurs cease to use and remove mains power until checked and repaired.
- No wiring is to be modified without authorisation from the manufacturer.
- Ensure the small extension cable is correctly connected to the bed socket and to the 240 volt supply when the bed is in a stationary position.  
A small light on the control box will illuminate showing a power supply.
- Low Low model beds should be left in the lowest position when a nurse is not in attendance.
- Nurses, cleaners or anyone using Alrick Electric Beds must make sure that the main power cord is clear of any moving parts on the bed before turning the power on.
- Electric Beds should ONLY be used where earth leakage is fitted to the power source.
- When patient condition could lead to patient entrapment the mattress support platform should be left in the flat position when unattended.



For indoor use (House)



Type B equipment, as per EN60601-1



RW-Tüv approval



Product with a thermofuse



Equipment KI.2 (Double square)



Safety isolating transformer



Demko approval



### **OPERATOR CONTROLS:**

Electric Beds are controlled by a handset, which is plugged into the connection port. (Normally located below and at the edge of the mattress base towards the head end).



### **HI-LOW OPERATION:**

The second pair of buttons on the handset control the smooth operation of raising & lowering the bed.



When raising and lowering the bed, ensure that no person or part of his or her body is under the bed. Failure to do so could cause serious physical injury.

### **UPPER POSTURE, ELECTRIC BACKREST:**

The top pair of push buttons control the electric upper posture as indicated on the handset



Beware of potential pinch points when lowering backrest.

### **ELECTRIC KNEEBREAK:**

The third pair of push buttons on the handset control the operation of the kneebreak. The calf section of the kneebreak is fitted with a prop, lift the calf section and fold down the prop engaging it in the channel provided at the foot end of the bed.



Beware of potential pinch points when lowering bed.



## HEAD & FOOTBOARDS:

(Models with this feature)

The standard head & footboard frames push in from end, allowing for rapid removal in an emergency.



**WARNING!** Please make sure the power cord is not in the way when fitting or removing boards.



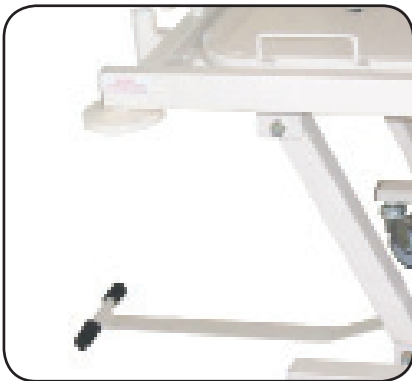
## CASTORS & BRAKES:

Brakes should only be released when bed is being moved.



## CENTRAL LOCKING CASTORS: (Optional)

Brakes should only be released when bed is being moved.



## T BAR WALL BUFFER:

(Optional)

Clips over base frame to keep headend away from the wall.



= **WARNING SYMBOL**



### **SELF HELP POLE:**

(Optional)

Self Help Poles are supplied with a slotted end. If the pole is used on models with the pole support on either side, the pole MUST be fitted to the opposite side to which the patient gets out of bed. (110KG max.)



### **SAFETY BED RAILS:** (Optional)

#### **360HR HORIZONTAL BED RAILS**

To raise, lift top bar and a positive click must be heard before leaving bed. To lower, pull pin outward & push top rail down.



Please beware of potential crushing points when fitting rails. Always make sure cords are not caught in rails when raising and lowering.



### **SAFETY BED RAILS:** (Pistol Grip Model) (Optional)

#### **380VR VERTICAL BED RAILS**

Squeeze trigger in top rail and push down. To raise, lift top rail and make sure a positive click is heard.



Please beware of potential crushing points when fitting rails. Always make sure cords are not caught in rails when raising and lowering.



### **SAFETY BED RAILS:** (Pistol Grip Model) (Optional)

#### **400HR HORIZONTAL BED RAILS**

To raise, lift top bar and a positive click must be heard before leaving bed. To lower, pull pin outward & push top rail down.



Please beware of potential crushing points when fitting rails. Always make sure cords are not caught in rails when raising and lowering.



### **SUPPORT RAIL:**

(Optional)

Support Rails can be fitted to side rail of bed. Black knobs must be securely tightened.



**WARNING:** Please check regularly. Please beware of potential crushing points when fitting rails.

## SAFETY & WARNINGS

- Electric Beds should ONLY be used where earth leakage is fitted to the room or building.
- If any cords are cut or damaged the bed MUST not be used until checked, fixed and tagged.
- No patient, service personnel or any person must lie underneath an Alrick bed while power is turned on, if not obeyed this may result in serious bodily injury or death if the bed controls are actuated.
- Please check no person or object is under the bed before using.
- Hand control to only be given to fully competent patients.
- Never leave hand control unattended with bed switched on unless patient is fully competent.
- Fit optional nurse lockout for safety of incompetent patients.
- Only one person is to be on the bed at any time.

## MAINTENANCE

- Beds should be inspected monthly for abnormal wear. For example, bolts loose or missing, castors, rubbers or brakes damaged.
- Rails must be inspected regularly for any wear or movement that may cause injury, do not use if unsure.
- If one or more of the bed functions is found not working correctly, notify the manufacturer for advice.

### EVERY 6 MONTHS:

- ✓ Check there is no visible damage to electrical system or mechanical parts.
- ✓ Check wiring is secure and not interfering with bed movement.
- ✓ If actuator shafts are not clean - wipe chromed shaft of actuators to remove lint, grease & dirt
- ✓ Extended actuators fully. (Do not wash as this removes fine layer of oil).
- ✓ Correct operation of all bed functions including castor locking.
- ✓ Check all accessories including rails are still functioning properly.
- ✓ Check all pivot points on the bed for wear. Replace pivot pins or bolts and removable bushes (where fitted) if a pivot has a significant play.
- ✓ Check all functions still run smoothly.

## CLEANING

- Cleaning can be done often - using domestic detergents.
- Do not use acids, alkaline or any other chemical solvents
- When cleaning actuators disconnect from mains power before wiping down with a moist cloth.
- When cleaning, be careful of entrapment, as it could cause physical injury.



# OPERATION MANUAL

## - HOSPITAL BED RISK ASSESSMENT -

HAZARD TYPE	HAZARD? Yes/No	RISK? High/Low/ None	SUGGESTED ACTIONS TO MINIMISE RISK
<b>MECHANICAL</b> (Entanglement, crushing, cutting, abrasion, puncture)	Yes	High	This bed has been designed to minimise the risk of entrapment. But care needs to be taken as it is still a high risk. If safety sides are fitted to the bed then a crushing risk will be present between the floor and the clamp when the bed is lowered to its lowest height whilst the safety sides are raised.
<b>ERGONOMIC</b> (Height, size & human fit)	Yes	Low	This safe working load is 300KG as stated on the bed This does not include accessories and mattresses. Although the mattress base length has been designed to fit most people, a mattress base extension is offered for very tall people.
<b>ELECTROCUTION</b> (Risk to operator/ patient)	No	Low	All equipment is double insulated and tested for water spray resistance to IPX4. All circuits other than the control box are low voltage. All electrical units are sealed units and as such unauthorised persons should not attempt maintenance. In the event of an electrical fault the unit should be repaired by trained Alrick or Linak staff.
<b>HAZARDOUS SUBSTANCE</b> (Chemical/ Radioactive)	No	None	
<b>TEMPERATURE</b>	No	None	



## - HOSPITAL BED RISK ASSESSMENT -

HAZARD TYPE	HAZARD? Yes/No	RISK? High/Low/ None	SUGGESTED ACTIONS TO MINIMISE RISK
<b>EXCESSIVE TEMPERATURE/ FIRE</b> (Combustion source present?)	No	Low	The bed is predominantly made of metal. Should a fire occur in the main control box, the bed may become live.
<b>SERVICE</b> (Hazards due to lack of maintenance)	Yes	Low	After many years of continuous use without maintenance, the bed may fail under load. Servicing periods and the servicing details has been included in this manual.
<b>INFECTION CONTROL</b> (Is plant easily cleaned)	No	Low	All metal surfaces in contact with the patients or staff are powdercoated, for ease of cleaning. Every effort has been made to minimise areas which can trap fluids etc.
<b>PRESSURE EQUIPMENT</b> (Fluids/Gases)	No	None	
<b>NOISE</b> (Excessive noise)	No	None	

# RECORD OF PERFORMED SERVICE PROCEDURES AND REGULAR SERVICE MAINTENANCE

Purpose and Description	Date	Performed By

I confirm that technical staff have undertaken the repairs as described above and the equipment is now functioning normally.

..... / ..... / .....  
**DATE**

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**CUSTOMER SIGNATURE**

**NOTES:**

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