



**Spread Base Bariatric Low Bed
Model 3649-S (Scale Bed)
Expandable 36" - 48"**



Operation Manual

CAMTEC - 1959 CHURCH CREEK RD - CAMBRIDGE, MD 21613
1-800-866-1156 FAX 410-228-6403 EMAIL info@camtecproducts.com
www.camtecproducts.com

"WITH VICOI SCALES"

REV A 032509 513649-S, 3649-S

CAUTIONS AND WARNINGS

- CAUTION:** ROTATING PARTS. KEEP FINGERS AND ARMS CLEAR OF BED WHEN MECHANISM IS MOVING.
- CAUTION:** PINCH POINTS. KEEP OBJECTS AWAY FROM THESE AREAS WHILE BED IS IN MOTION.
- CAUTION:** ELECTRICAL HAZARD MAY OCCUR IF BED IS PLUGGED INTO INADEQUATE POWER SUPPLY. MAKE SURE TO USE A 115 VOLT, 3 PRONG, GROUNDED OUTLET WITH A CAPACITY OF AT LEAST 15 AMPS.
- CAUTION:** KEEP FEET CLEAR OF CASTERS. MAKE SURE CASTERS ARE LOCKED BEFORE TRANSFERRING PATIENTS.
- CAUTION:** MAKE SURE THAT THE CORDS FROM THE CONTROL MODULE AND PENDANT ARE PROPERLY POSITIONED BEFORE OPERATING THE BED. DO NOT ALLOW EITHER CORD TO GET CAUGHT IN THE MOVING PARTS OF THE BED.
- CAUTION:** WHEN USING A TURNING MATTRESS, MAKE SURE THERE IS A BOLSTER BETWEEN THE MATTRESS AND SIDE RAIL.
- CAUTION:** POSSIBLE FIRE HAZARD WHEN USED WITH OXYGEN ADMINISTERING EQUIPMENT OTHER THAN NASAL, MASK, VENTILATOR TUBING, OR 1/2 BED LENGTH TENT DEVICE.
- WARNING:** THE MATTRESS SHOULD NOT HAVE ANY GAP GREATER THAN TWO INCHES FROM THE SIDE RAILS TO PREVENT A PERSON OR BODY PARTS FROM FALLING BETWEEN THE SIDE RAILS AND THE MATTRESS.
- WARNING:** KEEP ALL OBJECTS OUT FROM UNDER BED. CERTAIN PARTS UNDER THE BED RAISE AND LOWER WHEN THE BED IS IN MOTION.
- WARNING:** DO NOT PLACE ARMS OR HEAD INTO FRAME WHILE OPERATING. STAND CLEAR OF THE BED FRAME BEFORE OPERATING.
- WARNING:** DO NOT OPERATE THIS DEVICE IF THE POWER CORD OR ANY OF THE CORDS COMING FROM THE CONTROL MODULE ARE CUT, FRAYED OR LOOSELY CONNECTED.
- WARNING:** DO NOT SERVICE THE BED WITHOUT FIRST DISCONNECTING THE POWER CORD.
- WARNING:** THE BED MUST BE UNPLUGGED FROM THE WALL SOCKET PRIOR TO USING THE EMERGENCY CRANK. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE BED AND INJURY TO THE PERSONNEL USING THE CRANK.
- WARNING:** ESD - ELECTROSTATIC DISCHARGE.
- WARNING:** THE BED SHOULD BE LEFT IN THE LOWEST POSITION WHEN UNATTENDED IN ORDER TO REDUCE THE RISK OF INJURY DUE TO FALLS WHILE GETTING INTO OR OUT OF BED, OR WHILE LYING ON THE BED.
- WARNING:** LOCK HEAD END CASTERS AND UNLOCK FOOT END CASTERS WHEN CHANGING LEVEL OF BED.
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INTRODUCTION

The Camtec Model 3649 Expandable Spread Base Bariatric Low Bed has been designed primarily for use in hospitals and other institutions . The unique expandable frame design allows the bed to accommodate support surfaces of up to 48" wide. The bed surface can be adjusted to allow it to pass through a 40" door opening.

The frame is constructed of structural steel. The frames lowest position is approximately 9 1/2" from the floor to the mattress pan. The frame in the highest position is approximately 29".

The frame is designed to support a safe working load of 850 lbs. Side rails at the head end are standard. Optionally, the bed can be equipped with foot end side rails . The rotation of the side rails assists in patient ingress and egress.

Another option is a trapeze. The trapeze is capable of supporting the maximum patient weight for this type of bed.

The bed is equipped with (3) locking swivel casters and (1) steering swivel caster and 4 small swivel casters to allow for easy bed movement and facilitate patient transport.

The bed contains four electric drive modules, one for the head, one for the knee, one Hi/Lo for the head end and one Hi/Lo for the foot end of the bed. A hand crank is supplied at the head end of the bed that can be used in the event of a power failure.

RECEIVING INSTRUCTIONS

The bed and accessories may be shipped to you on a pallet. Before opening this container, visually inspect the package for any signs of freight damage. If damage is detected, do not accept the shipment without making a notation on the shipping invoice, briefly describing the damage, and file a damage claim with the freight company.

Carefully remove the bed and the associated parts from the packaging. Inspect all parts to make sure there is no internal damage. If internal damage is noticed, contact the freight company immediately to file a damage claim report.

Carefully open all packing and verify that all components on the packing slip have been received. If anything is missing, notify the dealer from whom you obtained the bed.

**ALL ITEMS RECEIVED SHOULD BE CHECKED AGAINST THE
PACKING SLIP TO VERIFY THAT YOU HAVE RECEIVED ALL
COMPONENTS IN GOOD CONDITION.**

SPECIFICATIONS

Weight Capacity	850lbs.
Overall Width	40" expandable to 52"
Overall Length	89"
Mattress Pan	36" adjustable to 48"
Pan Height	Lowest position (from floor) 9 1/2" Highest position 29"
Power Requirements	115 VAC 60Hz 10.5 AMP
Bed Weight with Side Rails, End Boards, & Mattress	500 lbs.
Motor Duty Cycle for Intermittent Operation: 1 minute ON / 10 minutes OFF	
Head Fowler	Adjustable up to 70 degrees
Foot/Knee Gatch	Adjustable up to 40 degrees
Trendelenberg	Adjustable up to 12 degrees
Reverse Trend.	Adjustable up to 12 degrees
Side Rails	Head end standard , Rotation type
Casters	Diameter 4": Width: 2 3/8" (3) total lock & (1) steer lock Diameter 3" Swivel (4)
Options	Trapeze, 3-way adjustable Side rails, foot end Mattress

OPERATION

1. When raising or lowering the bed, the casters at the head end should be locked and the casters at the foot end should be free to move. If the casters are locked at both ends at the same time, when raising or lowering the bed, damage to the bed may result.
2. Plug the power cord into a grounded 115 volt socket having a capacity of at least 15 amps. Make sure light on control module is illuminated.
3. Using the hand pendant, cycle the bed through all of its operations. Make sure that everyone is clear of the moving parts during these operations.
4. Use this Operation and Maintenance Manual to instruct all personnel who are involved in the use of this model bed.
5. When transferring the patient into or out of the bed all four casters should be in the locked position.

Casters

The bed is equipped with (4) locking casters consisting of (3) total lock & (1) steer lock and (4) swivel casters. The steer lock caster is located on the left foot position and will lock the direction of the caster inline (end to end) with the bed when activated. This allows for better control when transporting the patient. For best control the bed should be pushed or pulled from the head end.

Never lock casters at both ends at the same time, when raising or lowering the bed, permanent damage to the bed may result.

All casters should be locked during ingress or egress of patient.

OPERATION

Five Function Hand Pendant Operation

The **HEAD** up and down buttons cause the head of the bed (Fowler) to raise and lower.

The **FOOT** up and down buttons cause the knees and lower portion of the legs (Knee Gatch) to be raised and lowered.

The **BED** up and down buttons cause the height of the bed to raise and lower.

The **SEAT** up button causes the bed to go into a modified cardiac chair position. The head section and head end of the bed will raise, the knee section will raise and the foot end of the bed will lower.

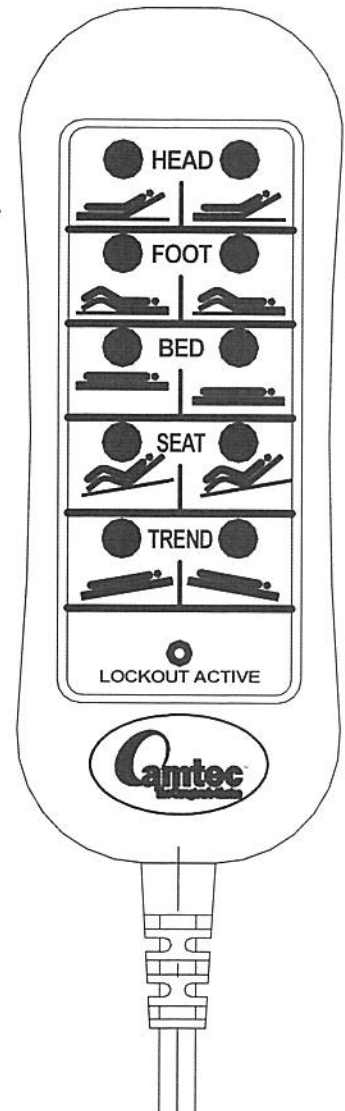
The **SEAT** down button will cause the bed to return to a supine position

The **TREND** down button will cause the foot end of the bed to raise and the head end to lower with a limiting angle of 12 degrees.

The **TREND** up button will cause the foot end of the bed to go down and the head end of the bed to raise until reaching a limit of 12 degrees.

The **LOCK OUT ACTIVE** light indicates that a Staff Control Lockout feature is active. The hand pendant cannot override the Staff Control

The bed contains four electric drive modules. Hand cranks are also supplied, at each end of the bed, which can be used to adjust the bed in the case of a power or actuator failure. The pendant should not be used during hand cranking.



SYMBOL DEFINITIONS

	WARNING FOR ELECTROSTATIC DISCHARGE
	CAUTION / WARNING: SYMBOL FOUND NEXT TO A STATEMENT ON A LABEL
	TYPE B APPLIED PART COMPLYING WITH IEC 60601-1
IPX4	RATING FOR PROTECTION AGAINST FLUID INGRESS. EQUIPMENT PROTECTED AGAINST SPRAYING AND SPLASHING WATER ACCORDING TO IEC 60529.
	ELECTRIC SHOCK HAZARD
	HEAD UP / HEAD DOWN - RAISES AND LOWERS THE HEAD (FOWLER) SECTION OF THE BED.
	FOOT UP / FOOT DOWN - RAISES AND LOWERS THE FOOT (KNEE GATCH) SECTION OF THE BED.
	HI / LO - RAISES AND LOWERS THE BED
	SEAT UP / SEAT DOWN - SEAT UP CAUSES THE BED TO GO INTO A MODIFIED CARDIAC CHAIR POSITION. SEAT DOWN RETURNS THE BED TO A SUPINE POSITION.
	TREND UP / TREND DOWN - TREND UP (REVERSE TRENDELENBURG) WILL CAUSE THE FOOT END OF THE BED TO GO DOWN AND THE HEAD END TO GO UP. TREND DOWN (TRENDELENBURG) WILL CAUSE THE FOOT END OF THE BED TO GO UP AND THE HEAD END TO GO DOWN.