



DEUTSCHER HEALTHCARE



CONCORD



OPERATION & MAINTENANCE MANUAL

ULTRALOW MEDICAL BED

For Aged Care, Hospital and Home use

Models: WMT 8080 (H) standard single
WMT 8090 (H) King Single

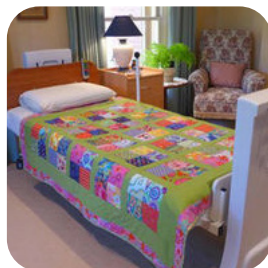
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DEUTSCHER HEALTHCARE



QUALITY BEDS AND ACCESSORIES



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INTRODUCTION

The Deutscher hybrid “tower less” Ultralow bed has been designed to provide years of trouble-free service. Its very low minimum height reduces the need for side rails and reduces the harm and risk associated with falls. Registered with the TGA and designed and tested to International standard **IEC 60601-2-52:2010+A1:2015** to support a rated load of 250Kg*

*Maximum patient weight of 210Kg + 40Kg (estimated) for mattress and bedding.

GENERAL INFORMATION

The bed is not intended for use by children or psychiatric patients. Caregivers must use their professional judgment to determine the risk of patient injury when using this bed, while taking into consideration not only the physical, psychological and medical needs of the individual, but also the patient’s preference.



IMPORTANT: Ensure the end of the bed nearest the wall is at least 100+mm from the wall with the mattress base horizontal. This will allow room for the end to clear the wall if the Bed is Trendelenburg tilted.

SAFETY WARNING: To eliminate the risk of electrocution, only connect the power plug to a power socket fitted with a residual current device (safety switch). Ensure the power supply cable cannot be caught in the mechanism when the bed is fully raised and lowered. If the cable is caught or damaged under the wheels or in the bed mechanism, do not touch the frame of the bed. Immediately switch off the power supply at the wall socket. With- draw the plug from the socket and do not use the bed until it has been inspected by a suitably qualified technician and passed as safe for use. Ensure the power supply cable and handset control is lifted clear of the floor when moving the bed.

BED SPECIFICATIONS & COMPONENTS

- Mass of Single bed WMT8080 without mattress or bedding = 103 Kg.
- Mass of King Single WMT8090 bed without mattress or bedding = 109 Kg.
- Maximum backrest angle 70 degrees to the horizontal.
- Maximum angle of the knee break, thigh section, 30 degrees to the horizontal.
- Maximum tilt, head up and head down, 20 degrees to the horizontal (Trendelenburg)
- Mattress Base Width - Single bed = 920mm wide, King single bed = 1070mm.
- Mattress Base Length - Single bed = 2030mm, 2230mm overall.
- Mattress Base Length - King single = 2030mm, 2230mm overall.
- Bed height 140mm minimum (from floor to top of mattress base) to 780mm maximum.
- Over all bed length 2150 > 2350.
- Easily removable head and foot board panels.
- Dual Castors Wheels - 100mm diameter with independent total lock control tabs (one wheel fitted with twin tab directional control / total lock functionality)
- Extendable mattress platform by 200 mm (in 100 mm increments)

Optional extras for the bed include:

- Additional Mattress retainers
- Wound care PSM Foam Mattresses
- Self-help pole
- Bed sticks – clamp on style
- Battery backup
- Side rails 3 bar and 4 bar
- Attendant control handset
- Alternative function hand sets including wireless bluetooth
- Manual CPR release backrest

Model No. and Description. Deutscher – Floorline

WMT 8080(H)

Standard single bed with electrically operated hi-lo, tilt, backrest and knee break.

WMT 8090(H)

King single bed with electrically operated hi-lo, tilt, backrest and knee break.

BED COMPONENTS

SEE FIGURE 1

1. Removable headboard
2. Back rest
3. Control box (under bed)
4. Power Lead
5. 'Knee break'
6. Locking castors
7. Removable footboard
8. Handset Control (Plugs into control box under back rest at head end of the bed)
9. Power Lead clip up retainer strap

Figure 1

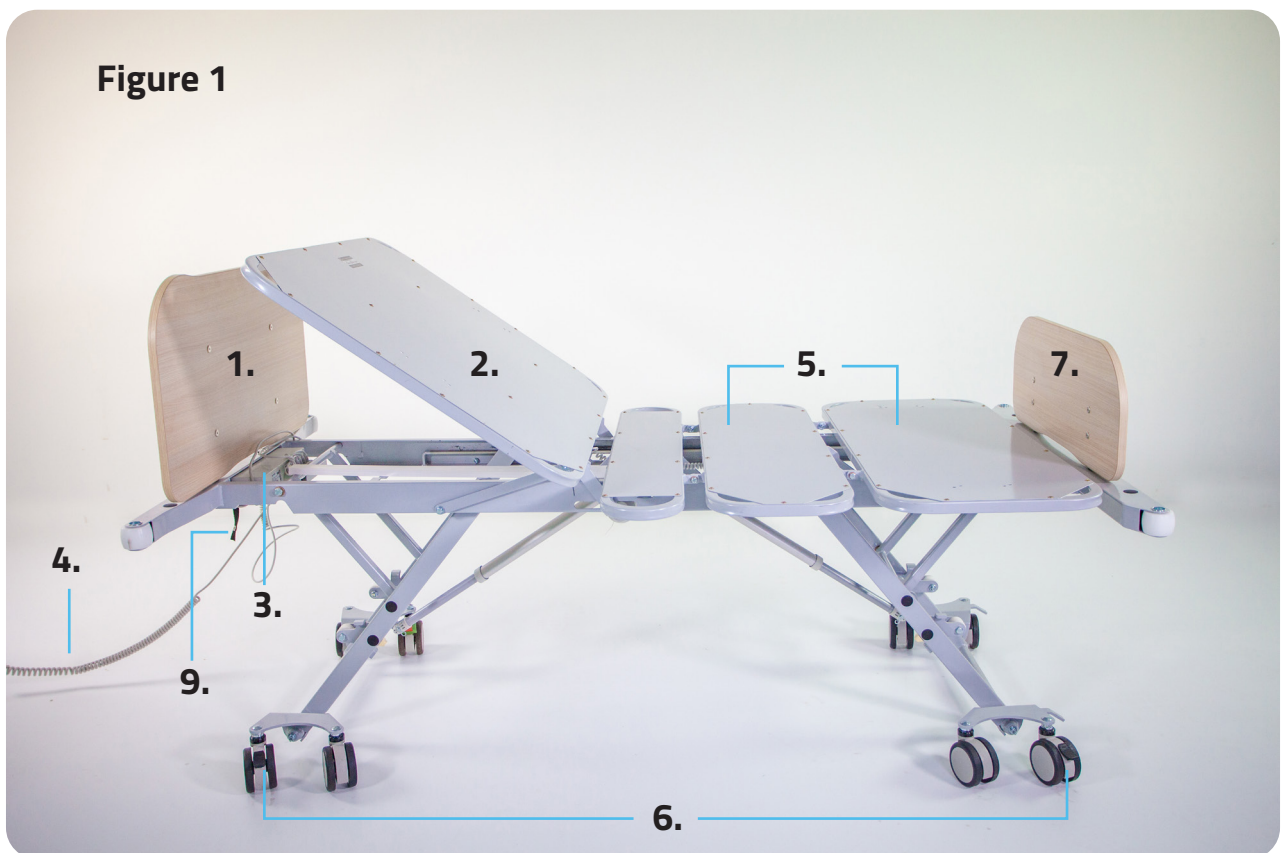


Figure 1a

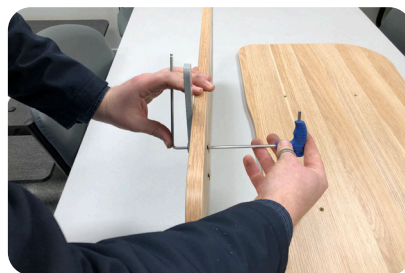


ASSEMBLING THE BED

The location pins of the head and foot board require assembly to the boards utilizing the Demon bolts and nuts provided. Once assembled the head and foot boards can be fitted to the bed.

Tools required: 4mm Allen keys

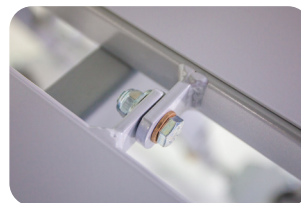
Concord Head + Foot Board



Special Features



2 speed "CAM" lift system



Bronze bearings fitted to moving points for extended operational life of bed and quiet / smooth operation

Accessories



Part number 6467 bed moving and storage trolley set



Custom made bed surrounds

OPERATION OF THE BED



IMPORTANT. Do not operate or use a bed that appears to be damaged or is not functioning correctly. Contact your service personnel for technical advice. Before operating controls: it is critical to check that the mechanism of the bed is completely clear prior to operating any function of the bed! Ensure that there is nothing underneath the bed (especially children or pets) as there is severe risk of injury if the bed is operated with anyone under the bed.

Check that the power supply cord and handset control cord is clear of the mechanism and wheels at all times.

The functions of the bed are controlled via the use of buttons on the hand set controller. (and optional attendant handset when fitted).

Press the function button to perform the selected bed movement as required. Only press one button at a time.

The standard **Hand Control** has five pairs of buttons, a 'Power-On' indicator light and a 'Fault' indicator light. The bed will only operate when the Power-On indicator light is glowing. To control the bed, press the up or down function button for the required function. Once again, only press one button at a time.

PLEASE NOTE - There are additional optional handset controls available for this bed (other than the standard one supplied with the bed) Optional handsets include additional functionality like- Wireless RF handset, Blue Tooth control, Cardiac Chair function, mechanical lockout and more. An optional attendant control is also available. Please contact use for further information.

BEFORE USING THE TILT FUNCTION, ENSURE THAT THE BED HAS CLEARANCE FROM THE WALL OR OBJECTS BY AT LEAST 100mm and that BOTH CASTORS AT ONE END OF THE BED ARE UNLOCKED. GENERALLY, THE TWO CASTORS NEAREST THE WALL ARE THE TWO WHICH REMAIN LOCKED. Relock the castors once the bed is in its desired tilted position.



Warning: Do not operate the bed more than 6 times per hour as this can cause premature failure to the electrics. The bed should be left in its lowest position when unattended in order to reduce the risk of patient injury due to falls whilst lying on the bed.

Please note: * Bed electrical components have a maximum Duty Cycle: amount of time they can be used in a period. Typically, 2 minutes ON, 18 minutes OFF - Exceeding this will cause damage and void warranty.

INSTALLATION OF ACCESSORIES

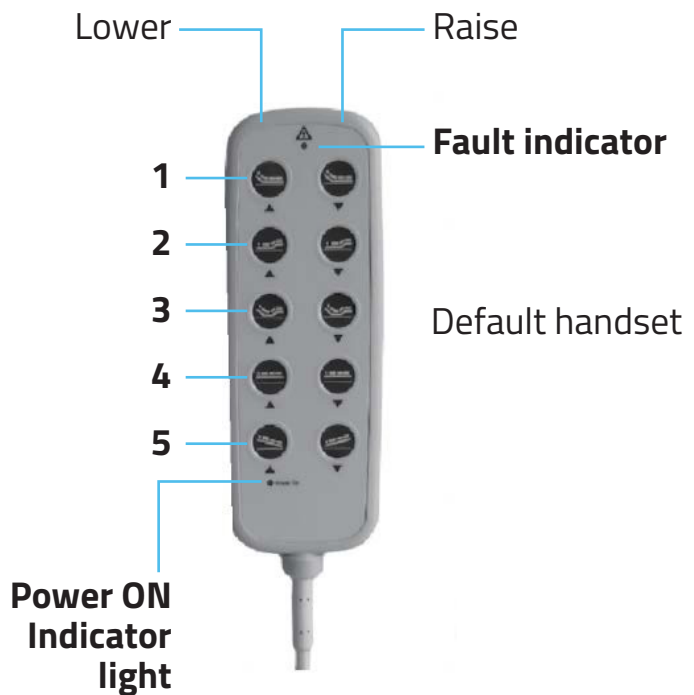
Use only accessories designed specifically for this bed.

ENSURE THE BED STICK IS SECURELY CLAMPED. Mattress pumps can be attached to the foot board of the bed but care must be taken regarding any power leads or pipework to ensure they cannot be caught (and damaged) in the mechanism of the bed.

WMT1050	Side Rail sets - 3 bar
WMT1055	Side Rail sets - 4 bar
WLR1045	Bed Stick with ball knob
WLR1045F	Bed Stick with ball knob Folding Pole
WLR1045H	Bed Stick with hook top
WMT1060	Self-help pole and handle

Part# *5499

1. Backrest
2. Knee break
3. Combine backrest and knee break
4. Bed Height
5. Trendelemborg (Tilt)



CLEANING, STORAGE & HANDLING

PLEASE NOTE: Further in-depth information regarding cleaning, disinfection and handling is available on our Deutscher Healthcare Medical Bed and Mattress Cleaning instructions document F200.1- Please enquire for a copy.

When cleaning the bed frame, it must not be immersed in water or washed with a high pressure cleaner, as the water may find its way into the steel tubing and cause rusting. Clean the powder coated surfaces with detergent and water.

The bed must be stored in a dry environment. The safest method of storage in a limited space is to fit bed moving trolley set and store the bed on its side.

- Completely disconnect from the mains supply before cleaning
- Wipe or swab to clean the bed frame, do not immerse in water or wash with a high-pressure cleaner
- This bed is not compatible with bed washing machines or tunnels
- Ensure all surfaces are dry after cleaning and before storage or prior to use
- Clean the powder-coated structural surfaces and plastic components with a neutral detergent solution
- Store in a clean, dry environment between 0 and 45°C, away from direct sunlight

DISINFECTION GUIDANCE

The following compounds and processes are approved for disinfecting the bed frame and bed components.

Sodium Dichloroisocyanurate (also known as NaDCC, troclocene sodium dehydrate, sodium troclocene or sodic troclocene) used as a washing solution at concentrations between 1000 and 10000 ppm (eg SoChlor)©

Benzalkonium chloride 0.45%, Didecyl dimethyl ammonium chloride 0.40%, polyhexamethylene biguanisde (PHMB) 0.10% (eg. Clinell Universal Wipes)©
Sodium Percarbonate, Citric Acid and Tetra acetyl ethylene diamine (eg. Clinell Sporicidal Wipes)©

Sodium chlorite 35-50%, Sodium dodecyl sulphate 10-20%, Sodium carbonate 10-20%, Citric acid 50-75%, Troclocene sodium dehydrate 15-30% (eg. Difficil-S)©
Hydrogen Peroxide vapour (eg. Bioquell)©
Ultraviolet - C radiation wavelength 100nm - 280nm (eg. Clinell UV360)© Note: excessive exposure to UV radiation may result in crazing and discolouration of plastic materials

BED MAINTENANCE

Troubleshooting chart

SYMPTOM	POSSIBLE CAUSE	REMEDY
Bed will not operate	<ol style="list-style-type: none"> 1. Mains not connected. 2. Mains fuse needs re-setting. 3. Broken lead, handset. 4. Broken lead, mains supply. 5. Control box defective. 6. Control panel has been locked. 	<ol style="list-style-type: none"> 1. Ensure plug fully connected and switch turned on. 2. Re-set breaker/fuse 3. Replace handset. 4. Replace lead. 5. Replace control box. 6. Un-lock control panel or handle control
Not all functions of the bed operate	<ol style="list-style-type: none"> 1. Actuator plug not fully engaged. 2. Actuator motor defective. 3. Actuator cable damaged. 4. Control box defective. 	<ol style="list-style-type: none"> 1. Push plug fully in. 2. Replace the actuator. 3. Replace the cable. 4. Replace the control box.
Power indicator light on Hand Control but no sound from the control box.	<ol style="list-style-type: none"> 1. Control box defective. 2. Handset defective. 	<ol style="list-style-type: none"> 1. Replace control box. 2. Replace handset.
Control box ok except one direction faulty on one function.	<ol style="list-style-type: none"> 1. Hand Control defective. 2. Faulty control box. 	<ol style="list-style-type: none"> 1. Replace hand control. 2. Replace control box.
Motor is running but actuator spindle does not move. Or... The actuator cannot lift the rated load. Or... Actuator spindle moves in one direction only.	Actuator faulty.	1. Replace actuator
Bed makes clicking noise when tilting.	Castor wheels locked.	Unlock castor wheels at one end.



NOTE:

Servicing and maintenance of this bed may only be performed by personnel who have received the necessary training and instruction.

ROUTINE MAINTENANCE

Every 6 Months

- Check for any visible damage of electrical or mechanical parts.
- With Actuators fully extended, clean the back rest and knee break actuator shafts with a soft, dry cloth.
- Check all electrically controlled functions.
- Check wheels for damage and brake lock function.
- Raise and lower the bed fully, then tilt the bed fully in both directions. Listen for unusual noises in the mechanism and watch for 'jerky' action. Call for maintenance personnel if anything unusual is discovered.
- If fitted with battery back-up, check that the battery is charged and able to operate the bed.
- Check all bolts and nuts are not worn or missing

Every 12 Months

- Remove the mattress, inspect mattress and mattress base for signs of wear.
- Inspect all actuators and wipe axle spindle to remove dust and associated buildup.
- Check mains cable, ensure there are no breaks in the lead and the strain relief is intact.
- Check all wiring for kinks, damage, dislocation or worn insulation. Replace where necessary.
- Operate all controls of the bed through the full movement of each function. Listen for noise in the bearings and ensure the operation is smooth.
- Check the wear on back rest and knee break pivots. Replace pivot bolts if they appear worn.
- Any pivot bolts attached to the ends of the actuators must be fitted with new nyloc nuts if nuts are removed. The nuts must not be tightened against the clevis - leave about 1mm of side play.
- Look closely at all welds, especially around the backrest and knee break actuator connections. Overloading may cause these welds to crack. Replace any faulty components or send the bed for repair.
- Check all wheels for wear, flat spots or damage.
- Check for correct castor brake function.
- Check for damage to paint work or significant rusting. Repair where necessary.
- Check mattress base sheets for signs of wear and looseness. Replace bolts where necessary.



**ALL SERVICING IS TO BE CARRIED OUT BY A
QUALIFIED AND TRAINED TECHNICIAN**

WARRANTY

Deutscher Health Care will repair or replace, free of charge, any part of the steel frame that is defective in material or workmanship (or both) for a period of 10 years.

The actuators and electrical components are covered by the manufacturer's own warranty. These have a 1 year limited warranty on the handset control and 3 years on all other electrical components.

If parts are replaced, the replacement period will be no longer than 4 months from time of notification.

This warranty does not cover normal wear, abuse or over loading. Warranty will not be honored if servicing is not performed in accordance with this manual. Warranty will not be honored if non-genuine parts have been used or repairs or modifications have been made without the manufacturer's written authority.

This warranty does not obligate the manufacturer, agent or dealer to cover transport costs incurred in the repair or replacement of any defective part. Also, it does not obligate the manufacturer/agents or dealers to cover any other costs associated with making this warranty claim.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits to the owner given by this warranty are in addition to the rights and remedies of the owner under the law in relation to goods or services to which the warranty relates.

SPARE PARTS

PART NO.	PART DESCRIPTION
6260	Rectangular plastic bushes for head and foot board pins
6216	Backrest Assy complete (Std)
6218	Thigh Section complete (Std)
6221	Foot/Calf section complete (Std)
6309	Plastic end plug (25mm Diameter)
5387	Plastic Plug (35mm square)
5855	Head board single (5857 King single)
5856	Foot Board
5716	Castor Wheel (100mm diameter) with total lock control
6336	Castor wheel (100mm diameter) with no lock tab
6139	R clips for actuator pins
6138	Actuator pins
6264	Main lift actuators (Leg actuators)
6262	Actuator (Back Rest)
6263	Actuator (Knee Break)
5866	Hand Control - Colored handset with back light plus magnetic lock out (optional)
5827	Hand Control - with magnetic lock out and CPR function (optional)
5499	Hand Control - Ten button (Standard handset)
5818	Controller box
5707	Power Lead (240V) AUS Plug
6151	Cable organizer clip up strap
5755	Actuator EXT Lead
5481	Wear Pads for Knee Break

Contact for Technical Assistance
Spare Parts etc.

DEUTSCHER HEALTHCARE
731 Creswick Road, Ballarat VIC 3350
Phone 03 5339 5708 Fax. 03 5339 3189

SERVICE HISTORY

DATE PURCHASED

SERIAL #

DATE



DEUTSCHER HEALTHCARE

Thank you for purchasing
an Australian made
Deutscher Healthcare bed



Instructional videos available on our website
for your reference are:

Deutscher Healthcare Profile Video

Please contact us if you have any questions or further information

Deutscher Healthcare

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