Armedica™
manufacturing corporation

This manual has been prepared for the owners and operators of the ARMEDICA™ AMTM/AMTMBA Series Hi/Lo Treatment Tables. It contains installation instructions, instructions for use, precautionary information, and maintenance procedures for the following model numbers:

AMTM / AMTMBA-100, 1227, 134, 140, 150, 200, 227, 234, 240, 250, 300, 334, 340, 350, 353, 400, 450, 500, 505, 550, and 555

ISO 13485
FM 50089
Made in the U.S.A

This User's Manual is for the following AMTM & AMTMBA Series Tables only

Armedica AMTM Series Hi/Lo tables are medical electrical devices intended to be used as a patient positioning aid during exercise and/or other therapies. This device is to be used in professional medical facilities and under the supervision of professional medical personnel.

All **AMTM** models are equipped with either a foot switch, or hand switch, for main lift actuation.
All **AMTMBA** models use the bar activation system for 360° main lift activation. *(All top configurations may not be listed)*

100- Single top section without casters, 27”x76”
134- Single top section without casters, 34”x76”
140- Single top section without casters, 40”x76”
150- Single top section with 4 locking casters, 27”x76”
200- Two section top, articulating head with casters 27”x76”
234- Two section top, articulating head with casters 34”x76”
240- Two section top, articulating head with casters 40”x76”
250- Two section top, articulating 3pc head with casters 27”x76”
300- Three section top, articulating head mid & leg sections with casters 27”x76”
334- Three section top, articulating head mid & leg sections with casters 34”x76”
340- Three section top, articulating head mid & leg sections with casters 40”x76”
350- Three section top, articulating head & leg sections with casters 27”x76”
353- Three section top, articulating head & leg sections without casters 27”x76”
400- Four sec. top, articulating head & leg sections, rolling rear section w/casters 27”x76”
450- Four sec. top, articulating 3pc head & leg sections, rolling rear w/casters 27”x76”
500- Five section top, articulating 3pc head, mid & leg sections with casters 27”x76”
550- Five section top, articulating 3pc head & leg sections with casters 27”x76”

WARNING: Read and understand this user's manual before installing or using this equipment.
Failure to follow operating and maintenance instructions could result in equipment damage or personal injury.

IMPORTANT: Do not use this manual to reference instructions, requirements, or specifications for any product other than those listed in this manual.
Equipment damage, void of warranty and personal injury may occur.

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SYMBOLS and INDICATORS

WARNING: Indicates failure to follow manufacturer's operating instructions could place the patient, and/or operator at risk of harm.
Read and understand the operating instructions listed in this manual before installing or using this equipment.

CAUTION: Indicates a general warning.

WARNING: Follow safe lifting procedures and precautions.

WARNING: Identifies warning of electrical shock hazard.

Instructs to follow operating instructions.

Identifies dangerous electrical information.

Type B Applied part: An Applied Part complying with the specified requirements to provide protection against electric shock, particularly regarding allowable patient leakage current and patient auxiliary current.

This device is equipped with a protective earth ground. This device may only be connected to a power source with a protectively earthed ground.

Alternating Current

SYMBOLS and INDICATORS (continued)

Direct Current

Do not climb or allow children to climb on this device.

Do not stand or allow children to stand on this device.

Do not reach or allow children to reach into this device.

DEFINITIONS

The AMTM/AMTMBA Series Treatment Tables are a Class 1 medical device in respect to the use of an earthed ground as a means of protection against electric shock.

Class I: term referring to electrical equipment in which protection against electric shock does not rely on basic insulation only, but which includes an additional safety precaution in that means are provided for accessible parts of metal or internal parts of metal to be protectively earthed.

Intended use: The AMTM/AMTMBA Series Treatment Tables are intended for patient positioning in physical rehabilitation purposes and, to be used in conjunction with other forms of exercise, as directed by a professionally licensed physical therapist.

CAUTION: Using this device in a manor inconsistent with its labeling will void warranty and, damage to device or personal injury may occur.

Oxygen Rich Environment: environment in which the concentration of oxygen is:
a) greater than 25 % for ambient pressures up to 110 kPa; or b) the partial pressure of oxygen is greater than 27,5 kPa at ambient pressures exceeding 110 kPa.

CAUTION: This device is not suitable for use in an oxygen rich environment or in the presence of flammable anesthetics. Fire or explosion may occur.

Patient: Any person currently using this device as a positioning platform under the direction and supervision of a qualified medical professional.

DEFINITIONS CONTINUED

Operator: Any medical professional, who has been trained, qualified and authorized by the consumer or responsible organization to operate this device.

CAUTION: A patient is not intended to operate this device in any way. The AMTM/AMTMBA Series Treatment Tables shall be operated by trained, qualified and authorized personnel ONLY.

Service Technician: Any person/persons authorized by Armedica Manufacturing to perform service, component replacement or repair to the AMTM/AMTMBA Series Treatment Tables.

CAUTION: Service to controls and actuators must be done by the manufacturer only. In the event of an actuator, or control unit, failure, they must be returned to Armedica Manufacturing Corp. All service or repair must be performed by Armedica Mfg. authorized field service personnel only. For information, contact Armedica customer service.

Duty Cycle: The ratio of time the device can be in a state of continuous actuation (moving) and rest. Noted in units of minutes as ON/OFF. The Duty Cycle of this device is rated for 1(one) minute on / 9(nine) minutes off.

Electrical power source: This device is intended to be connected to an external electrical power source.

TiMotion electro-mechanical actuation system - 100-240VAC ∿ , 50/60Hz, 4,000mA.

WARNING: To avoid risk of electrical shock, this device must only be connected to a supply mains with protective earth ground.

Applied part: An applied part is one specifically intended to come into direct contact with patient during normal use. Applied parts are identified, either in this manual or directly on the part, with this symbol . (Refer to the bill of materials on Pg. -- for list of parts and descriptions)

Accessible Part: An Accessible Part is any part that the patient or operator may come into direct contact with, either intentional or unintentionally, but direct contact is not required for normal operation.

Operator Interface: The point in which the operator will input data via momentary push button for actuation, memory function and device control.

AMTM/AMTMBA Series Hi/Lo Treatment Tables

This device has been inspected, and operated, for 100% functionality by Armedica Mfg. prior to shipping. The AMTM/AMTMBA Series Treatment Tables are a plug & play device and do not require any special assembly, installation, or initialization procedures for normal operation.

WARNING: Read and understand this operator's manual before installing or using this equipment.
Failure to follow operating and maintenance instructions could result in equipment damage or personal injury.

INSTALLATION

ALL MODELS

WARNING: Two people are required to move this equipment. This unit weighs in excess of 200lbs/90kg. Failure to follow safe lifting instructions can result in serious personal injury and/or damage to equipment.

CAUTION: Do not lift or support by upholstered sections. Damage to equipment or serious personal injury may occur.

CAUTION: All cables must be fully inserted into their appropriate receptacles on control box and columns. Failure to do so may cause unit malfunction and/or permanent damage to equipment.

CAUTION: There are no contradictions associated with this device. The emissions characteristics of this device make it suitable for use in industrial areas and hospitals.

WARNING: This device may only be used in a professional healthcare facility where operators with professional medical training are continuously available when patients are present.

WARNING: Dangerous voltage present.
Do not connect this unit to a power source before reading these instructions. Damage to equipment and/or electrical shock may occur.

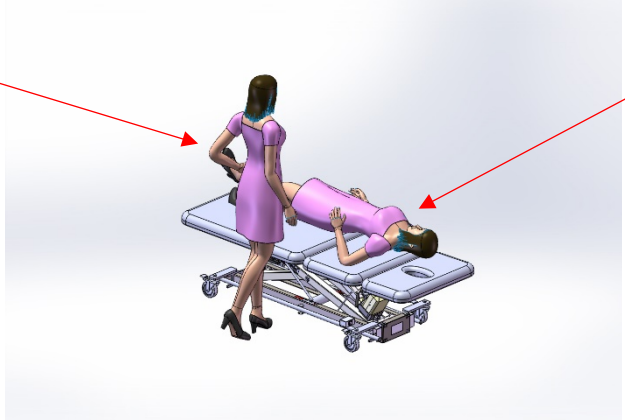
AMTM/AMTMBA OPERATING INSTRUCTIONS ALL AMTM/AMTMBA

WARNING: Ensure operating area is clear, and device is free from obstruction before adjusting height, or individual sections. Damage to decice, void of warranty, and serious presonal injury may occur.

INTENDED POSITIONS

Operator Position

Patient Position

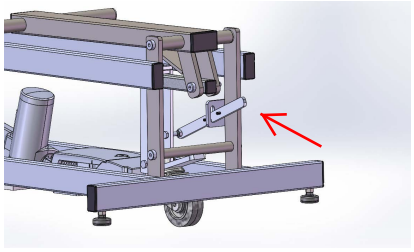


This device has been inspected, and operated, for 100% functionality by Armedica Mfg. prior to shipping. The AMTM/ AMTMBA Series Treatment Tables are a plug & play device and do not require any special assembly, installation, or initialization for normal operation.

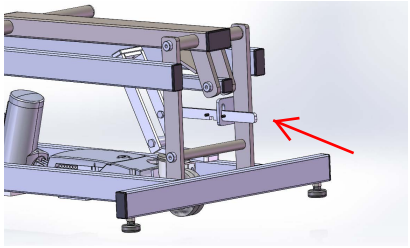
FOR AMTM 3 CASTER MODELS

AMTM models equipped with 3 casters are only able to be repositioned when the table is in it's lowest position. The device automatically disengages the 3rd caster when elevated. To manually disengage the 3rd caster do the following:

1. With the table in its lowest position, place the device in the desired location.
2. Locate the disengagement lever on the back of the base.
3. Lift the lever and push forward. To verify the caster is disengaged, attempt to move the device.
4. To re-engage the caster, with table in its lowest position, pull lever back until it locks into the notch.



CASTER ENGAGED



CASTER DISENGAGED

ADJUSTING THE TABLE HEIGHT

1. Ensure area is clear and table is free of obstruction.
2. To raise the table, press & hold the "UP" button on the hand switch / footswitch.
3. Release the switch when the desired height is achieved.
4. To lower the table, press & hold the "DOWN" button on the hand switch / footswitch.
5. Release the switch when the desired height is achieved.

For Bar-Activated (AMTMBA) models

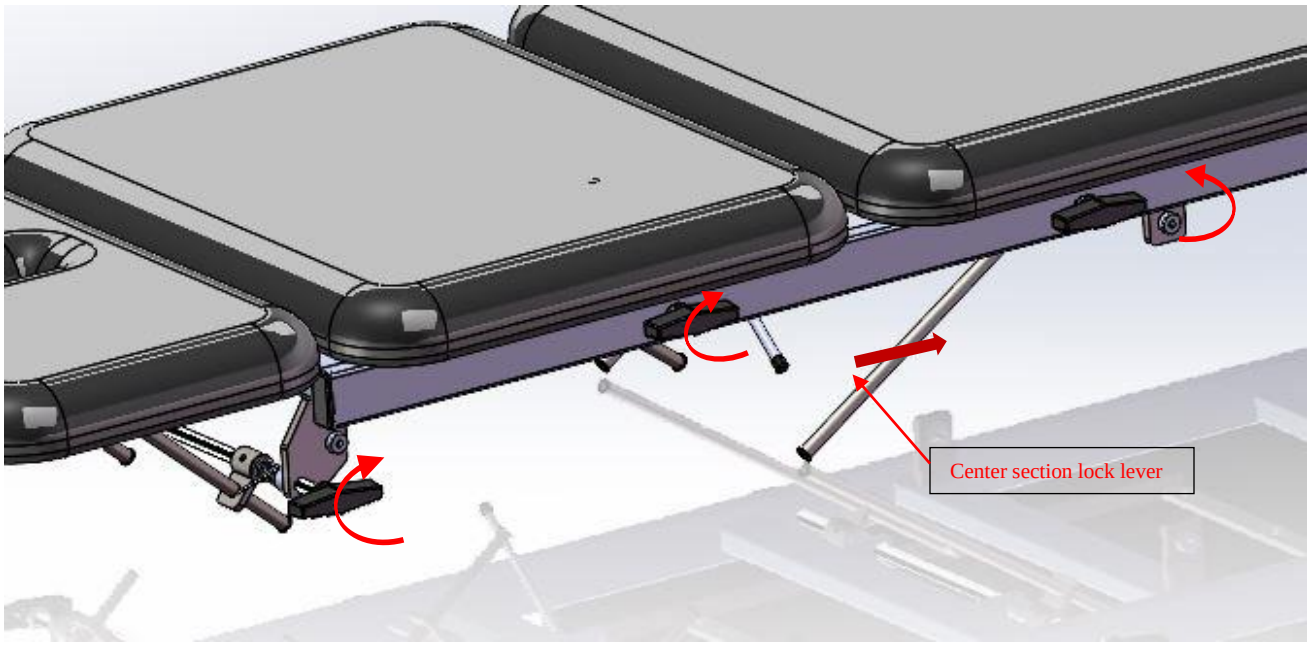
1. To raise the table press down on the foot bar.
2. Release the foot bar to the neutral position when desired height is achieved.
3. To lower the table, push up on the foot bar.
4. Release the foot bar to the neutral position when desired height is achieved.

TO ADJUST MANUAL HEAD & FOOT SECTIONS

WARNING: Any adjustment to a manually operated section must be done with adequate support to that section. Failure to support the section during adjustment can result in damage to equipment and serious personal injury.

All manually adjusted sections employ a mechanical friction locking mechanism, which allows free travel in a single direction, and a continuous lock in the opposite direction.

1. To elevate head and/or foot section, manually lift section into desired position. The section will automatically lock into place.
2. To lower head and/or foot section, support the section and rotate handles as illustrated. Lower section to desired height and release the handle.
3. To elevate center section, (Equipped models only) first unlock the section by moving the center lock lever back towards the leg section and lift the center section slightly.
    a. Once center section has been elevated, release the center section lock lever.
    b. Manually elevate the center section to desired position. The section will automatically lock into place.
    c. To lower center section, support the section and rotate handles as illustrated. Lower section to desired height and release the handle.
    d. To return center section to its lowest position, follow step “c” and ensure center section is all the way down until you hear a click. Verify the lock lever is engaged and has returned to its original position. Attempt to elevate the center section without moving the lock lever, center section should not elevate.



MAINTENANCE

CAUTION: Failure to follow recommended maintenance instructions may cause damage to equipment, personal injury and void warranty.

ARMEDICA™ Manufacturing thoroughly inspects and tests each unit to ensure that it meets all ARMEDICA™ quality standards before it leaves the facility. To ensure the longevity of your device, routine maintenance should be followed.

AFTER FIRST 40 HOURS OF SERVICE

- ✓ Physically inspect all fasteners and hardware are properly secured

DAILY / Pre-USE

The operator should visually inspect the unit prior to each use for;

- ✓ Foreign objects that may interfere with operation or create a hazard to patient
- ✓ Signs of damage to unit and power cord
- ✓ All hardware (nuts, bolts, etc.) is present and properly secured
- ✓ All adjustments are secure
- ✓ Unit functions properly

Suggestions for cleaning this device:

WARNING: Armedica Hi/Lo tables are not intended for wash down or sterilization. Damage to the device, void of warranty, or personal injury may occur.

- Read, understand, and follow the instructions & precautions listed in the SDS for the specific cleaning agents used on your device.

Non-Permeable Material

This statement attests that all surfaces and materials used on Armedica™ medical devices as type B applied parts or accessible parts, free from alterations, modifications, excessive wear, defect or damage are non-permeable and may be sanitized and/or disinfected by surface cleaning with commonly used sanitizing/disinfecting solutions as the sole means of protection against biological, bacterial, and microbial contaminants commonly associated with the device's medical indication and intended use.

Furthermore, Armedica™ devices are categorized as multi-use medical devices and are in no way designed, manufactured, or intended for sterilization by lethal or non-lethal means. The utilization of any means of lethal sterilization may damage, degrade, or negate the non-permeable surfaces resulting in the risk of such biologic, bacterial, and microbial contamination. If upon inspection of patient and accessible surfaces any such alterations, modifications, excessive wear, defect, or damage is present, immediately discontinue use of the device and contact the manufacturer.

For general daily cleaning

- This device should not be exposed to standing or quantities of liquids.

- Use towel dampened with mild soap and water.
- Wipe down to remove common dust, dirt, and spills.
- Wipe with dry towel to remove all moisture.

For difficult stains on painted and plated surfaces only.

- Do not use alcohol-based cleaners or wipes on painted, plated, or upholstered surfaces.

- Dampen a soft cloth with a solution of water and =/<10% household bleach.
- Rub gently to remove the stain.
- Rinse with cloth dampened with clean water to remove the bleach solution completely.
- Dry with clean cloth.

Disinfection and removal of bio-contaminates of patient contact areas

- Do not use products containing phenol or chlorine on any aluminum, plastic, or polymer-based surfaces.
- Lethal sterilization methods should not be used with this device.

Any non-corrosive hospital approved disinfectant, in compliance with the guidance listed within this document, may be used. Refer to federal, state, and local guidance as regulations may vary. Only use disinfectants that are approved for your facility, appropriate for the device, and in accordance with local regulations.

- Clean contaminated area with approved disinfectant.
- Rinse disinfected area with cloth dampened with clean water
- Wipe any excess moisture away with a clean dry cloth.

Commonly suggested disinfecting wipes.

Protex Ultra Disinfectant Wipes and Super Sani-Cloth Germicidal Wipe

For cleaning and disinfection of lubricated components

- Do not use cleaners regularly on any lubricated components or areas.

Cleaners and disinfectants will degrade or remove lubrication from the area and cause premature wear of the components. If it becomes necessary to clean/disinfect a lubricated area due to spills or exposure to a bio-contaminant, the appropriate food-grade lubricant must be reapplied. Refer to your state, local, and facility's guidance on type of lubricants may be used.

For cleaning and disinfection of electrical components and enclosures

To clean electrical components such as actuators, cables, switches, and plastic enclosures, use only a common Isopropyl Alcohol Wipe (C3H8O).

- Do not clean any electronics or their enclosures with liquid. Failure to follow proper cleaning instructions may cause risk of electric shock.

- Disconnect power from device and allow 90 seconds for discharge of stored energies.
- Do not open any electronic protective enclosure.
- Do not expose any electrical component to water or liquids.
- Wipe outer surfaces of actuators to remove dust, dirt and other contaminates.
- Wipe outer surfaces of control units to remove dust, dirt, and other contaminants.
- Wipe outer surfaces of cables & switches to remove dust, dirt, and other contaminants.
- Allow 10 minutes for all components to dissipate any moisture before applying power.

Recommended cleaning intervals/schedule

The following list of time intervals between cleaning the device is a suggestion by the manufacturer. Refer to your state, local, and facility's guidance for regular cleaning and disinfection of this device.

Cleaning & disinfection of patient contact areas

- Prior to the first use daily, and immediately after each use thereafter.
- Immediately after any spill or exposure to bodily fluids or bio-contaminates.

Cleaning of all areas and components

- General cleaning of common dust, dirt, and debris should occur after every 40 hours.
- Immediately after any spill or exposure to any bodily fluids or bio-contaminant.

TROUBLE SHOOTING

If this device becomes inoperative, or any problem should occur, remove power from the device and contact Armedica Mfg. Customer Service 1(479) 996-2612.

ATTENTION: The AC Mains Cable serves as the EMERGENCY DISCONNECT DEVICE
Do not position this device in a manner that would make it difficult to reach the AC mains supply cable. In the event of an emergency, unplug the AC Mains Cable from the external power supply.

WARNING: Disconnect main power to unit before opening control stand and checking cables. Electrical shock and/or damage to electronics may occur.

CAUTION: Service to controls and actuators is to be done by the manufacturer only. In the event of an actuator, or control unit, failure, they must be returned to Armedica Manufacturing Corp. All service or repair is to be performed by Armedica Mfg. authorized field service personnel only. For information, contact Armedica customer service.

WARNING: Do not alter or modify this device in any way. Altering this device will void all warranties. Serious personal injury and/or damage to equipment may occur.

WARNING: Use only replacement parts approved by Armedica Manufacturing. Failure to do so could result in damage to device, increased emissions and serious injury.

TECHNICAL SPECIFICATIONS

ENVIROMENTAL CONDITIONS

Operating/storage temp. 5°C – 40°C / 41°F – 104°F
Humidity: 5% to 85%
Pressure/altitude: 700hPa to 1060hPa

GENERAL SPECIFICATIONS

Manufactured and assembled by:
Armedica Manufacturing Corp. Greenwood,
Arkansas, USA Tel.: (479) 996-2612

Static & Dynamic load capacity

Max 500Lbs/227Kgs operating load.

CAUTION: Do not exceed Maximum load capacity. Damage to unit and/or serious injury may occur.

CAUTION: Do not throw in trash. Expected service life of this device is approximately 10 years. Dispose of this device in accordance with local, state and national environmental regulations. Failure to do so may constitute a criminal act.

ELECTRICAL SPECIFICATIONS

Models equipped with TiMotion Actuation Systems

Main input power requirements:

100-240VAC ∿

50/60Hz, 4,000mA
Secondary output power:
32VDC ⎓ 128VA
Duty cycle 10% 1min. on / 9min. off

Manufactured by:
TiMotion Technologies / TiMotion USA
1535 Center Park Drive
Charlotte, NC. 28217, USA. Tel.: (704) 708-6924 Toll-free 1-855-235-1424
Email: sales.us@timotion.com

ELECTROMAGNETIC SPECIFICATIONS

Test Standard	Test Level	Power Input Voltage/Frequency
CISPR 14-1, Disturbance Power	Table 7 of CISPR 14-1	120VAC 60Hz
CISPR 14-1, Conducted Emissions	Table 5 of CISPR 14-1	110VAC 60Hz 240VAC 60Hz
IEC 61000-4-2	± 8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air	120VAC 60Hz
IEC 61000-4-3*	3 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	120VAC 60Hz
Clause 8.10*	27 V/m 385 MHz 28 V/m 450 MHz 9 V/m 710 MHz 9 V/m 745 MHz 9 V/m 780 MHz 28 V/m 810 MHz 28 V/m 870 MHz 28 V/m 930 MHz 28 V/m 1720 MHz 28 V/m 1845 MHz 28 V/m 1970 MHz 28 V/m 2450 MHz 9 V/m 5240 MHz 9 V/m 5500 MHz 9 V/m 5785 MHz	120VAC 60Hz
IEC 61000-4-4	± 2 kV 100 kHz repetition frequency	120VAC 60Hz
IEC 61000-4-5	± 0,5 kV, ± 1 kV Line to Line ± 0,5 kV, ± 1 kV, ± 2 kV Line to Ground	120VAC 60Hz
IEC 61000-4-6	3 V 0.15 MHz – 80 MHz 6 V in ISM bands between 0.15 MHz and 80 MHz 80 % AM at 1 kHz	120VAC 60Hz
IEC 61000-4-11	0% UT; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% UT; 1 cycle and 70% UT; 30 cycles Single phase: at 0° 0% UT; 300 cycles	110 VAC 60Hz 240 VAC 60Hz

Armedica
BY PIVOTAL HEALTH SOLUTIONS

Phone: 479.996.2612
Fax: 479.996.3051

Address: PO Box 880
212 Bell Rd
Greenwood, AR 72936

www.ArmedicaMfg.com

ARMEDICA BY PIVOTAL HEALTH SOLUTIONS LIMITED WARRANTY

Armedica by Pivotal Health Solutions warrants that Armedica's AMTM Series Hi/Lo tables are free from defects in material and workmanship. This warranty shall remain in effect for 18 months from the date of original consumer purchase of the product. The electric actuator and control system in the AMTM Series Hi/Lo tables are warranted to be free from defects in materials and workmanship for 18 months from the date of original consumer purchase of the product. The welded steel frames on all AMTM Series are conditionally warranted to be free from defects in materials or workmanship for 18 months from the date of original consumer purchase of the product. If the table fails to function during the warranty period due to a defect in material or workmanship, Armedica by Pivotal Health Solutions or the selling Dealer will repair or replace the table without charge within a 30 day period from the date on which the table is returned to Armedica by Pivotal Health Solutions or the selling Dealer.

THIS WARRANTY DOES NOT COVER

1. Replacement parts or labor furnished by anyone other than Armedica by Pivotal Health Solutions, Selling Dealer, or any approved Armedica by Pivotal Health Solutions Service Agent. Parts lists are for reference only when speaking with an Armedica by Pivotal Health Solutions representative. Replacements and repairs are to be done by an approved Armedica by Pivotal Health Solutions Service Agent.
2. Any failure of the table during the warranty period if the failure is not caused by a defect in material or workmanship or if the failure is caused by unreasonable use, including the failure to provide reasonable and necessary maintenance.

ARMEDICA BY PIVOTAL HEALTH SOLUTIONS IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE TO PROPERTY OR BUSINESS.

TO OBTAIN SERVICE from Armedica by Pivotal Health Solutions or the Selling Dealer under this warranty, please do the following:

1. A written claim should be sent to Armedica by Pivotal Health Solutions, P.O. Box 880, Greenwood, AR. 72936-0880 or the selling Dealer.
2. The table must be returned to Armedica by Pivotal Health Solutions or the selling Dealer.
3. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

Armedica by Pivotal Health Solutions does not authorize any person or dealer to create for it any other obligations or liabilities in connection with the sale of the tables. Any representation or agreement not contained in this warranty shall be void. Disposal of unused or unwanted product should be in accordance with applicable regional, national, and local laws. For information contact the local regulatory agency.

ARMEDICA

By: Pivotal Health Solutions

INPUT:110-240V~, 50/60Htz, 4,000mA, DUTY Cyc: Int. On/Off 2min/18min
Maximum Load: 500Lbs/227Kgs

Model No.	Serial No.	Prod. Date

ETL CLASSIFIED
Intertek 4009555

ARMEDICA MFG. 212 BELL RD, GREENWOOD, AR 72936 06331C
CUSTOMER SERVICE (479) 996-2612
DANGER: Risk of explosion if used in the presence of flammable anesthetics
Conforms to ANSI/UL Std. 60601-1
Certified to CSA Std. C22.2 Std. 60601-1