Warmer Operating Instructions

Model Number 7938

For use only with premoistened cloth and hair care products manufactured by Sage Products Inc.

Please read and understand these instructions completely prior to operating this warmer.

UL60601-1 Medical Electrical Equipment, Part 1:
Prior to the first edition of UL60601-1, general requirements for safety for the products covered by this standard were included in UL2601-1. This standard replaces UL2601-1.

IMPORTANT SAFETY INSTRUCTIONS

This warmer is to be used SOLELY for premoistened cloth and hair care products manufactured by Sage Products Inc. The warmer has been designed and safety tested to be used exclusively with these products. ANY other use of the warmer by the facility including, but not limited to, use with other bathing products, can result in overheating, fire or other hazardous conditions and is expressly forbidden.

⚠ WARNING:

To reduce the risk of fire, burns, electrical shock or injury:

1. Read all instructions before using this warmer.

2. Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "hospital only" or "hospital grade."

3. Install this warmer only in accordance with the installation instructions found in this manual.

4. **DO NOT** cover or block any openings on this appliance.

5. **DO NOT** tamper with or make any adjustments to the control panel, housings, safety switches, or any other part of the warmer.

6. **DO NOT** remove any panel or cover.

7. **DO NOT** store or use this appliance outdoors. **DO NOT** use this product near water—for example, near a kitchen sink, in a wet basement, or near a swimming pool.

8. **DO NOT** use this warmer for any material other than premoistened cloth and hair care products manufactured by Sage Products, in accordance with instructions on the label.

9. **DO NOT** let the cord hang over edge of table or counter.

10. This warmer is to be used by adults familiar with its operation and these safety instructions.

11. **DO NOT** operate this warmer if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.

12. **DO NOT** immerse cord or plug in water.

13. Keep cord away from heated surfaces.

14. The warmer is to be serviced only by qualified service personnel. If there are no external or user-serviceable fuses, contact Sage Products for repair or adjustment. If there are external or user-serviceable fuses, check them and replace if necessary. If new fuses do not correct the condition, or if fuses continue to blow, contact Sage Products for repair or adjustment.

15. Use this appliance only for its intended purpose as described in this manual. **DO NOT** use corrosive chemicals or vapors in this appliance. This type of warmer is specifically designed to warm premoistened cloth and hair care products manufactured by Sage Products. It is **NOT** designed for industrial or laboratory use. The use of corrosive chemicals in heating or cleaning will damage the appliance and may result in product failure.

16. **TO REDUCE THE RISK OF FIRE:**
    - Warm only premoistened cloth and hair care products manufactured by Sage Products.
    - **DO NOT** use to heat or store any other material or products.
    - **If materials inside the warmer should ignite, keep the door(s) closed, turn the warmer off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.**
    - Do not operate the warmer empty—always have some premoistened cloth and hair care products in warmer when it is in use (it is not necessary to fill every slot).

17. **DO NOT** store flammable materials in the proximity of the warmer. It could be a fire hazard.

18. Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, or with oxygen or nitrous oxide.

19. This warmer uses conduction heating.

20. The warmer should **NOT** be adjusted outside of menu driven options by anyone except properly qualified personnel. Contact Sage Products for authorized service.

STATUS INDICATOR DISPLAY SYSTEM

Your new warmer is equipped with status indicators that are designed to provide information on the heating status of the packages in the unit. The status indicators are activated when a package is placed in a slot in the warmer. They alert the user when a package has reached the desired temperature by showing the word READY. The warmer is also capable of alerting the user as to which packages have been in the warmer for an extended period of time. The TAKE FIRST indicators show next to packages that have been in the warmer for an extended period of time and should be used first. This aids in package stock rotation so product remains fresh.

If preferred, required by hospital policy, or as recommended for a specific product, the warmer can be set to display DISPOSE instead of TAKE FIRST, for packages that have remained in the warmer for an extended period.

To change this setting, locate the switch on the back of the warmer and select either B or C. Below is a detailed description of the settings.

TAKE FIRST [Position B]

1. **NOT READY**

   The red arrow and message that reads "NOT READY" indicates the package in this slot has not been in the warmer long enough to reach the target temperature. The red "NOT READY" arrow will remain lit for the time it takes to heat the Comfort Personal Cleansing product (approximately 2 hours).

2. **READY**

   The green arrow and message that reads "READY" indicates the package in this slot has been in the warmer long enough to reach the target temperature and is ready for use.

3. **TAKE FIRST**

   The blinking green arrow and message that reads "TAKE FIRST" indicates the package in this slot has been in the warmer for an extended period of time and should be used before other packages. This feature helps you use the products in your warmer in the order in which they were stocked. If more than a few packages of a certain product type have the blinking "TAKE FIRST" arrow lit for an extended period of time, it may be appropriate to cut down on the number of slots of that product code and restock them with one of your higher usage products. If patient census is low and more than a few slots frequently indicate "TAKE FIRST," it may be appropriate to leave a few slots empty until product usage increases.

DISPOSE [Position C] - Time limited: Dispose of packages remaining in warmer for >84 hrs

1. **NOT READY**

   The yellow arrow and message that reads "NOT READY" indicates the package in this slot has not been in the warmer long enough to reach the selected temperature. The yellow "NOT READY" arrow will remain lit for the time it takes to heat the product (approximately 2 hours).

2. **READY**

   The green arrow and message that reads "READY" indicates the package in this slot has been in the warmer long enough to reach the selected temperature and is ready for use.

3. **DISPOSE**

   The blinking red arrow and message that reads "DISPOSE" indicates the package in this slot has been in the warmer for greater than 84 hours and should be discarded. This feature helps you use the products in your warmer in the order in which they were stocked.
   If more than a few packages have the blinking "DISPOSE" arrow lit for an extended period of time, it may be appropriate to cut down on the number of slots used. If patient census is low and more than a few slots frequently indicate "DISPOSE," it may be appropriate to leave a few slots empty until product usage increases.

The temperature displayed on the front of the warmer reflects the internal operating temperature of the warmer. Additionally, the warmer is equipped with a protective device designed to turn the unit off in the event of overheating. The warmer will remain inoperable until it has cooled.

Please refer to individual product packaging for instructions, ingredients, warnings and other information.

INSTALLATION AND GROUNDING INSTRUCTIONS

Examine Your Warmer

Unpack warmer, remove all packing material and examine the unit for any damage such as dents, broken door hinges or cracks in the door. Notify Sage Products immediately if warmer is damaged. **DO NOT** install or operate if warmer is damaged.

Remove Protective Plastic Film

If a plastic film has been wrapped around the warmer to protect the painted finish from scratching during shipping, please remove this plastic film prior to use. *(However, not all warmers have plastic film wrapping.)*

Placement of Warmer

1. Warmer must be placed on a flat, stable surface. For proper operation, the warmer must have sufficient air flow. Allow 3 inches (7.62cm) of space on both sides of the warmer and 1 inch (2.54cm) of space on top of the warmer.

    a) **DO NOT** block air vent. If it is blocked during operation, the warmer may overheat. If overheating occurs, a thermal safety device will turn the unit off. The warmer will remain inoperable until it has cooled.
    b) **DO NOT** place warmer near a hot, damp surface, such as a gas or electric range.
    c) Be certain that power cord on the warmer can reach the electrical outlet.
    d) Be certain electrical outlet is not blocked by the warmer. Power cord must be able to be unplugged without moving the warmer.

2. Warmer should be located in or near the nurse's station or supply room.

Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of an electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounded wire with a grounded plug. The plug must be plugged into an outlet that is properly installed and grounded.

WARNING: Improper use of the grounding plug can result in a risk of electric shock.

Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

If it is necessary to use an extension cord, use only a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

Wiring Requirements

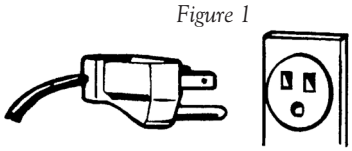
1. For US customers, the warmer must be plugged into at least a 15 AMP 110 VOLT, 60 Hz GROUNDED OUTLET.
   The warmer is designed to accept either:

    a) US: AC Input Voltage of 110 V AC (± 20%), AC Input Frequency of 60 Hz (± 3 Hz)
    b) EU: AC Input Voltage of 230 V AC (± 10%), AC Input Frequency of 50 Hz (± 3 Hz).

2. The power cord shipped with the warmer will be region specific.

3. For US customers where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the user to have it replaced with a properly grounded three-prong outlet *(Figure 1)*.

Figure 1



4. The warmer must be on a SEPARATE CIRCUIT. No other appliance should share the circuit with the warmer. If it does, the branch circuit fuse may blow, the circuit breaker may trip or products may warm slower than expected.

5. The VOLTAGE used must be the same as specified on the warmer (110 V or 230 V). Using a higher voltage may result in a fire or other accident causing warmer damage. Using a lower voltage will cause slow heating. Sage Products Inc. is **NOT** responsible for damage resulting from the use of the warmer with other than specified voltage.

SAFETY PRECAUTIONS

This warmer is to be used SOLELY with premoistened cloth and hair care products manufactured by Sage Products. The warmer has been designed and safety tested to be used exclusively with these products only. ANY other use of this warmer by the facility including, but not limited to, use with other brands of products, can result in overheating, fire or other hazardous conditions and is expressly forbidden.

General Use

1. **DO NOT** tamper with or make any adjustments to the control panel, housings, safety switches, or any other part of the warmer. Repairs should only be done by a qualified service person. Contact Sage Products for authorized service.

2. If a fire occurs in the warmer, **LEAVE DOOR(S) CLOSED**. Disconnect the power cord, or shut off power at the fuse or circuit breaker panel.

3. **DO NOT** store flammable materials next to, on top of, in or near the warmer. They could be a fire hazard.

4. Your warmer is equipped with a protective device designed to turn the unit off in the event of overheating. The warmer will remain inoperable until it has cooled.

CAUTION: *If there is any indication that the premoistened cloth and/or hair care products are excessively hot, do not use. Remember, gloves diminish your sensitivity to heat. Closely monitor heat level with infants, unresponsive or skin sensitive individuals. Products are for individual use only.*

INSTRUCTIONS FOR USE

Examine the warmer before plugging in power cord. If any part appears damaged, do not use the warmer. Contact your Sage Products Representative immediately.

1. **To install warmer,** position unit on a sturdy, flat surface, such as a counter top or cart provided by Sage Products. For proper grounding, plug cord into AC receptacle marked "hospital only" or "hospital grade." Turn power switch on front panel to "ON" position. The red light in the power switch should illuminate when switched to the "ON" position.

   When power is turned on, the warmer goes through the following self-diagnostic tests:
   - All LED indicators will flash once.
   - Temperature indicator counts down.

   If no faults are found, LED indicators will turn off if no packages are present in warmer slots. If packages are present, the LED indicators for the filled slots will indicate "NOT READY."

   If a fault condition exists, LED indicators will not light up if a package is present in the warmer slots. Unused slots will indicate a "NOT READY" status. Discontinue use of the warmer unit and contact Sage Products.

2. **Before stocking the warmer,** make sure you have set the Status Indicator Display to the desired setting [Position B or C] to display TAKE FIRST or DISPOSE for packages that have remained in the warmer for an extended period. See page 2 of this manual for more information on how to change the Status Indicator Display.

3. **To stock warmer,** open door(s) and fill slots with one package per slot. Place packages on shelves so they do not interfere with closing of door(s). Packages should be placed far enough back that they contact rear of shelves, but not beyond. Close warmer door(s). DO NOT place previously opened packages into warmer.

4. **Packages require approximately 2 hours to warm.** Packages are ready for use when the "READY" indicator is illuminated. To remove a package for use, open door(s). Remove package(s). Close warmer door(s), making certain door(s) close completely.

5. **Replacement parts and service:** Before performing any repairs or service on this warmer, contact Sage Products.

6. **Fuses:** This warmer is equipped with two externally accessible fuses. Turn off and unplug the warmer before attempting to remove fuses. If the warmer stops running, check the fuses on the back side of the cabinet's exterior. If a fuse is blown, replace it with another fuse of identical rating. If the new replacement fuse blows, contact Sage Products for further instructions.

To replace fuse: Turn off and unplug unit. Find the round knob/receptacle on the rear panel of the warmer cabinet labeled "FUSE" and remove the fuse cover as indicated by the arrow on the fuse cover. Remove the fuse and replace it with an 8-Amp, 250-Volt (8 A, 250 V) fuse and replace the fuse holder cover. Plug the warmer into the 110 V power outlet and turn power switch to the "ON" position. If warmer will not run, or does not run properly after replacing the fuse, call Sage Products for further direction.

6. **Memory Backup:** This warmer is equipped with a **5-minute memory backup**. It provides backup power to the status indicator system for a short period of time in the event that the power switch is shut off, or power cord is removed from the wall outlet. If power is interrupted, the status indicators will remember the status of all the packages in the warmer at that time and reinstate those settings when power is restored within 5 minutes.

7. **Premoistened cloth and hair care products manufactured by Sage Products Inc.:** Refer to individual product package for instructions, ingredients, warnings and other information.

4. **Replacement parts and service:** Before performing any repairs or service on this warmer, contact Sage Products.

5. **Fuses:** This warmer is equipped with two externally accessible fuses. Turn off and unplug the warmer before attempting to remove fuses. If the warmer stops running, check the fuses on the back side of the cabinet's exterior. If a fuse is blown, replace it with another fuse of identical rating. If the new replacement fuse blows, contact Sage Products for further instructions.

CARE OF YOUR WARMER

1. Unplug the warmer before cleaning.

2. Keep the inside of the warmer clean. If spatters or fluid adhere to walls, wipe with a damp cloth. Mild detergent may be used if the warmer gets very dirty. The use of harsh detergent or abrasives is not recommended. **NEVER** clean the warmer with alcohol or solvent-based cleansers. Alcohol or solvents on door(s) or status indicator display columns can weaken and cause cracking of these components.

3. The outside warmer surfaces should be cleaned with a large, damp cloth. To prevent damage to the operating parts inside the warmer, water should not be allowed to seep into the ventilation openings or any other openings on the cabinet exterior. Use cloths that have been dampened with mild detergent solution only, but not so wet as to drip liquid or cause liquid to pool in warmer.

4. If external electrical components become wet, including the display columns, power cord, power switch on front of cabinet and external fuse access (if so equipped), clean with a soft, dry cloth and allow to air dry. **DO NOT** use harsh detergents or abrasives on any external components.

5. Cleaning inside the warmer outer panels and inside the warmer base should be performed only by qualified service personnel after taking precautions to drain all stored voltage potential. Contact Sage Products for authorized service.

ACCESSING THE USER-DEFINED FEATURES

Adjusting the Temperature

The warmer is capable of warming products to a user-defined temperature. The user has the ability to adjust the temperature between 100°F and 125°F ± 5°F (35°C - 55°C).

1. Press the MENU key below the display from the default temperature display screen.

2. Using the UP/DOWN arrow keys located to the right of the display, highlight SET TEMPERATURE and press the SELECT key below the display.

3. When prompted, enter the following key sequence: UP ARROW, DOWN ARROW, UP ARROW.

4. Using the UP/DOWN arrow keys, select the desired temperature for the contents of the warmer.

5. After the desired temperature is selected, press the SAVE/EXIT key located below the display.
   - If you wish to discard the changes, press the CANCEL key located below the display.

6. The warmer will then display the temperature set point on the main screen.
   - If the temperature of the warmer falls outside of the set point ± 5°F, the display will read the actual temperature of the warmer.

Adjusting the Temperature Display Units (°F or °C)

The warmer is capable of displaying temperature in units of Celsius or Fahrenheit.

1. From the default temperature display screen, press the °C key located below the display if Fahrenheit is displayed and Celsius is desired. If Celsius is displayed and Fahrenheit is desired, press the °F key located below the display.

Using the Audible Message Feature

The warmer has the ability to audibly announce a fully customizable, 10-second, user-defined message when the door to the unit is opened. This feature allows facilities to tailor messages to highlight specific areas of compliance and give users an audible reminder or message (e.g., "Do not flush cloths," "Please restock the warmer with fresh product," or "Only one bath per patient.")

1. From the default temperature display screen, press the MENU key located below the display.

2. Using the UP/DOWN arrow keys located to the right of the display, highlight VOICE MESSAGE and press the SELECT key below the display.

3. The UP/DOWN arrow keys will toggle the voice message on or off. Select the OPTIONS key located below the display to record a message.

4. When prompted, enter the following key sequence: UP ARROW, DOWN ARROW, UP ARROW.

5. From the Voice Message Options screen, press the RECORD key located below the display.

6. When you are ready to record the user-defined message, press the START key located below the display and speak clearly into the microphone located to the bottom-right of the display.

7. When the voice message is complete, press the STOP key located below the display.

8. The UP/DOWN arrow keys can be used to review the message. If satisfied with the message, press the SAVE/EXIT key located below the screen and you will be returned to the default temperature display screen. If you would like to re-record the message, press the ERASE & RETRY key located below the display and repeat steps 6 and 7.

Using the Inventory Tracking Feature

The warmer has the ability to track the number of packages used over a period of time. The inventory tracking feature can display the amount of packages removed from the warmer for a specific month, or over the previous twelve-month period.

1. From the default temperature display screen, press the MENU key located below the display.

2. Using the UP/DOWN arrow keys located to the right of the display, highlight CHECK INVENTORY and press the SELECT key below the display.

3. The UP/DOWN arrow keys located to the right of the display can be used to select the month that you wish to be displayed. The display will initially display the current month's usage and the usage over the previous twelve months. The total displayed is cumulative.

4. When done, press the EXIT key located below the display to return to the temperature display screen.

FreeRTOS Software

This device uses FreeRTOS, version 5.1.1, which is licensed under a modified GPL. For a copy of the FreeRTOS source code, or details of the modified GPL, please visit www.FreeRTOS.org. You may also obtain a copy of version 5.1.1 of the FreeRTOS source code from Sage Products Customer Service by emailing customerservice@sageproducts.com or calling 1-800-323-2220.

TECHNICAL SPECIFICATIONS

Capacity	28 individual packages, one per slot
Power Source	100-240 V AC, 50-60 Hz
Heating System	100-240 V AC, 50-60 Hz
Status Indicator System	3 watts, 600 mA, 5 V DC
Target Temperature	Adjustable between 100°F and 125°F (35°C - 55°C)
Ambient Operating Temperature	68 - 72°F (20 - 22°C)
Outer Dimensions (H x W x D)	19.68” x 27.56” x 15.67” (500mm x 700mm x 398mm)
Net Weight/Shipping Weight	49.16 lbs. (22.3kg)
Classification	Class I
Degree of Protection Against Ingress of Water	Ordinary
Mode of Operation	Suitable for Continuous Operation
Storage Temperature	-22 - 150°F (-30 - 65°C)
Relative Humidity	50 - 70%
UL Standard	UL60601-1 Medical Electrical Equipment
IEC Standard	IEC 60601-1
CAN/CSA Standard	CAN/CSA C22.2 No. 601.1
Characteristics	Powder coated steel exterior, aluminum interior, surfaces and shelves
Fuse Type	8 A, 250 V
Disposal	Follow national requirements
⚠	Attention: Refer to accompanying documents
⏚	Protective earth ground terminal
🚶	Type B protection against electrical shock

Caution: Equipment is not suitable for use in the presence of flammable anesthetic mixtures with air, oxygen or nitrous oxide

SAVE THESE INSTRUCTIONS FOR PROPER USE OF YOUR WARMER.
READ ALL SAFETY CAUTIONS AND OPERATING INSTRUCTIONS.

NSF
National Sanitation Foundation
International Standard

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47DR

Medical equipment with respect to electric shock, fire and mechanical hazards only, in accordance with UL60601-1 and CAN/CSA C22.2 No. 601.1

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