



Smart•Therm™ Operating & Maintenance Manual



Model: DXSMA2081 (208V/240V, 60Hz, 1-Phase)

Smart•Therm™ STS III: Induction Base Heating System

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For Service Information call 1.888.673.4639

Please provide following information:

- Model number
- Serial number (from bottom of unit)





Manual No. STSIII_2021A

Please read this manual for helpful guidelines on how to use your new equipment. Also refer to our instructional videos for proper use, care and maintenance, at the link

<https://assets.cfsbrands.com/Dinex/induction-operation-tips.html>

or follow the QR code below



 WARNING		
<p>The following practices are prohibited with the charger and bases. Failing to follow these instructions may cause serious personal injuries, including burns or shock from fire or electrocution, or death. It is imperative that you visit our website at www.carlislefsp.com to view a full list of instructions for safe operation of the system.</p>		
	<p>Do not put the base in a microwave.</p>	<p>A microwave will damage the base and cause a fire risk.</p>
 Do Not Stack Bases	<p>Do not stack the bases on the charger. Charge only one base at a time. Do not stack charged bases.</p>	<p>Stacking the bases will damage the bases and cause a fire risk.</p>
	<p>Use dry, room temperature bases. Do not allow water near the charger. Do not use damaged bases. Do not leave bases unattended on charger. Only heat bases in DINEX Induction Chargers.</p>	<p>Allowing water near the charger may cause a fire or electric shock. Heating a base outside DINEX induction chargers may cause a fire.</p>

INTRODUCTION

Congratulations! You have purchased the new Dinex® Smart•Therm™ STS III Induction Charger. Your Dinex Smart•Therm STS III induction heated base system, when used within a controlled hot food trayline process and covered with Dinex insulated domes, will keep hot plated food satisfying for up to one hour from plating.

Please read this manual for helpful guidelines on how to use your new equipment. Should you have any questions concerning the equipment, please call Dinex Service at 1.888.673.4639.

! IMPORTANT: For your safety, read and follow all cautions, information, and warnings.

FREIGHT DAMAGE CLAIMS

Your Smart•Therm STS III Induction Charger was carefully inspected and packed before leaving our factory. The transportation company assumes full responsibility for the safe delivery of this equipment. Dinex cannot assume responsibility for damage or loss incurred during transit. Visible damage or loss should be noted on the freight bill and signed by the person making the delivery.

A freight claim should be filed immediately with the transportation company. If damage is unnoticed or concealed until the equipment is unpacked, notify the transportation company immediately and tell them you want to file a concealed damage claim. This must be done within fifteen (15) days after delivery was made. Be sure to retain all packing materials and cartons.

! ATTENTION: Use of this symbol identifies a potentially hazardous situation which, if not avoided, may result in damage to the machine or injury to the operator.

! CAUTION: If the product is used without observing the information given under this symbol, minor personal injury, or damage to equipment may result.

! ATTENTION: Installation of this equipment should be performed only by persons qualified or licensed to install electrical equipment.

- Adjustments and service work should be performed only by qualified service technicians.
- This equipment is intended for commercial use only. Not for household use.
- Use of other than genuine Dinex replacement parts or service work performed by those other than authorized Dinex service agents will void the warranty.
- Do not use corrosive cleaners on the equipment. Use only mild detergents.

APPLICATION & USE

The equipment is for commercial use in the foodservice industry. It provides maximum induction heating compatible with Dinex Smart•Therm bases. Use only with Dinex Smart•Therm bases.

SAFETY

The instructions contained in this manual provide important guidelines for the equipment user regarding correct and safe installation. Particular attention should be paid to the precautions given in various parts of this manual. Do not attempt to repair this equipment. Repairs must be performed by authorized personnel only.

- Never use the equipment as a work surface or cutting board.

- Do not attempt to heat anything other than a Dinex base.

! IMPORTANT: Do not place a SmartTherm base in a microwave oven.

! INFORMATION: This appliance is for commercial use only and must be used exclusively for the purposes prescribed.

! IMPORTANT: The following instructions reduce the risk of fire, electrical shock, or injury.

INSTALLATION

SET UP

1. Carefully remove any packing material from the induction charger and check loose packing material for small parts or accessories. Inspect the charger for concealed damage before placing packing material aside. Keep the packaging until you are confident with the equipment performance.
2. **MAKE SURE THAT INCOMING VOLTAGE MATCHES THE CHARGER REQUIREMENTS.** A product identification label on the bottom of the unit specifies the operating voltage, current, frequency, phase, and maximum wattage of the charger. **Plugging or wiring the charger into less voltage than the charger is rated may significantly decrease the performance of the unit or damage internal electrical components.**
3. Do not place foreign objects on the charger, or between the Dinex base and the charger surface. Foreign objects may heat within the induction field and cause damage to the charger surface and/or base.
4. Do not use any Smart•Therm STS III charger that has a damaged cord or plug. Consult the warranty and follow the instructions for service.
5. Do not let the power cord touch hot surfaces.
6. The center of the charger may get hot to the touch after hours of continuous use. Use caution when loading and unloading bases.
7. The charger requires ample airflow to cool the internal electronic components. Air is pulled in from the bottom front and exhausted to the back. Please assure that nothing obstructs the airflow. Allow at least two inches from a wall or partition.
8. A dedicated electrical circuit is required for each Smart•Therm STS III charger.

! IMPORTANT: Every installation site has different electrical wiring requirements. Because many different local codes exist, it is the owner and installer's responsibility to comply with all federal, state, and local codes. Dinex is not responsible for any consequential damages, either expressed or implied, as a result of failure to comply with installation requirements.

! CAUTION: Please do not attempt to open the charger or perform service of any kind. This product can only be serviced by a Dinex Authorized Service Agent or designated Dinex personnel. Contact Dinex at 1.888.673.4639 for service information.

! CAUTION: Any installation not matching the requirements discussed in this manual will automatically void the product's warranty.

INSTALLATION

The Smart•Therm STS III Charger can be installed on top of a flat, level countertop or shelving, being careful to maintain at least two inches of clearance on all sides of the charger for cooling. Do not place over paper or loose material that may inhibit air flow into the bottom air intakes.

Consider the Dinex® Induction Stand (Accessory product) DXPICTABLEM (Mobile with casters)DXPICTABLE (Not mobile).

1. The charger must be plugged into an appropriate grounded power receptacle. Check rating plate on the charger to verify correct voltage.

IMPORTANT: Each charger should be connected to its own dedicated circuit. They should not be connected to circuits sharing compressors or other heavy current draw devices (i.e. plate heaters, steam tables, etc.)

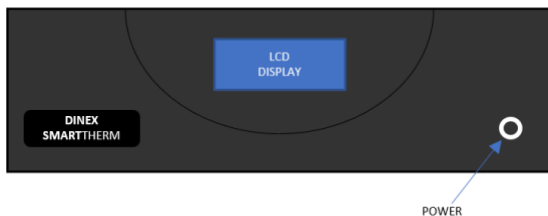
2. Do not move the Smart•Therm STS III Charger when it is electrically connected.
3. An air filter is mounted to the bottom of the unit. Assure it is seated and free of excessive debris or grease.

OPERATION INSTRUCTIONS

Smart•Therm STS III Induction System

1. Make sure that your Smart•Therm STS III Charger is plugged into an energized circuit as described in the previous section. This should be a dedicated circuit, not shared with any devices utilizing motors, compressors, or components requiring a heavy current draw.

User Interface:



POWER key will turn the unit on and off.

LCD DISPLAY provides feedback on the status of bases charging and equipment operation.

2. The Smart•Therm STS III Charger is turned on by pressing the **POWER** button on the right front of the user interface for 2 seconds until the display lights up and 1 audible beep is heard. The LCD display will show "WAITING FOR BASE" indicating the Smart•Therm STS III Charger is turned on and ready for use.
3. Place a Dinex Smart base on the charger within the positioning rails, making sure the base is seated flat on the top. Charging will start automatically.
4. The LCD display will show "CHARGING" and a status bar that will increase through the charging process until filled when a base is fully charged. If the base is removed prior to the status bar being completely filled, the base will not be fully charged and may result in a lower delivery temperature.

INFORMATION: The display will flash "BASE NOT READY" and you will hear continuous beeps for 30 seconds if you remove the base before it is fully charged.

5. Your Smart•Therm STS III charger and Smart Base system uniquely knows the heat level of your bases. You may return a base to the charger at any time, and your Smart•Therm STS III charger will top off the heat in your base to assure proper delivery temperature.
6. If the phrase "WAITING FOR BASE" still appears after placing a base on the charger, remove the base and reposition – assuring the base is seated flat to the top, and within the positioning rails.
7. After the status bar is completely filled the charger will display "BASE READY" and beep 4 times indicating that base is at full temperature. Charge time for a base will be between 16 to 20 seconds. Low incoming voltage may increase charging time.

INFORMATION: Fluctuations in voltage may affect heating time.

8. If a base is left on the charger top after fully charged, the charger will keep the base fully charged for up to 90 minutes by adding a small charge every 30 seconds. One audible beep will sound at every small charge. If the base is not removed after 90 minutes, the charger will beep 2 times and shut off.
9. If the charger has no base on its top and sees no activity after 10 minutes, it will beep 2 times and shut off.
10. Power off the Smart•Therm STS III Charger by depressing the **POWER** button.

TROUBLESHOOTING

! INFORMATION: *Safety-relevant parts should be replaced with original factory parts only. Any defective part must be removed and replaced by a qualified service technician authorized by Dinex. Should you require service please call the Dinex Hotline at 1.888.673.4639. In order for the warranty to remain valid, work must be authorized by Dinex prior to being performed.*

The Dinex Smart•Therm STS III Charger is a very intelligent device. Built in error codes can help you to determine the cause of most problems.

The following section explains how to determine if you are experiencing a problem and what can be done to correct the problem. This information can be very helpful if you are calling our Customer Service department to report any operational difficulties.

ERROR CODES

Error codes will show on the LCD display. The code will remain on the display until the problem is fixed and the charger is turned OFF and ON again.

Error: Internal Temp Too High, Clean Air Filter

Cause: Internal temperature of the charger is too high. The environment is too hot or the unit does not have proper airflow.

Solution: Turn the charger off and allow the unit to cool. Inspect the air filter and clean if needed. Remove any obstruction that prevents proper airflow.

Error: Input Voltage Low/Overload

Cause: Input voltage or frequency not within the proper range as noted on the unit nameplate.

Solution: Turn the charger off. Check the input voltage and frequency of the dedicated circuit being used. Only use with a circuit that provides the proper power.

Error: E0 Base Detection Error

Cause: The charger is not capable of detecting a base on the surface.
Solution: Call Dinex Service at 1.888.673.4639.

Error: E2 RFID Error

Cause: The RFID reader or antenna is not able to read the tag and charge the base.

Solution: Call Dinex Service at 1.888.673.4639.

MAINTENANCE

Smart•Therm STS III CHARGER CLEANING INSTRUCTIONS

1. Unplug the charger before cleaning. Do not submerge the charger in water. Do not splash or pour water onto the charger's control panel or into intake/outlet vents. Possible shock hazard may result and the charger may be damaged.
2. The heating surface is a high strength composite material. Please use appropriate care in handling and cleaning.
3. Do not use steel wool, abrasive cleaners, or chlorinated cleaners on the charger.
4. Wipe the entire charger off with a damp cloth and mild detergent. Dry the charger before connecting it to its electrical source.

AIR FILTER

1. Inspect the mesh air filter on the underside of the unit each day. If soiled, remove the filter and wash with hot water, dish washing detergent and a scrub brush. Cleaning in a dishwasher is not recommended. Dry and reattach to the unit before operating.

2. If using the unit daily, the recommended filter replacement period is every 6 months. The preprogrammed message "MAINTENANCE REPLACE AIR FILTER" will show on the display every 6 months as a reminder. To clear this message, simply turn the unit OFF and ON again.
4. Replacement filter can be ordered by calling Dinex customer service at 1.888.673.4639. item number DXFTNSMA208.

! WARNING: *Never spray, wash or use excessive water on the charger. Before cleaning it is absolutely necessary to unplug power plug.*

- Do not use the charger if the top is broken or cracked.
- Never use the charger as a work surface or cutting board.
- Never attempt to heat anything other than a Dinex 8x1-Series Smart base.

WARRANTY

These Warranties cover the following Dinex | Carlisle ("Dinex") equipment products (the "Warranted Products"):

- Rethermalization Equipment Products
- Induction Heating System Products (excluding Induction Bases covered under separate warranty)*
- Milk Cooler Products
- Ice Cream Freezer Products
- Air Curtain Refrigerator Products
- Blast Chiller Products
- Hot/Cold Food Counter Products
- Plate, Rack and Tray Dispenser Products
- Plate Heater Products
- Base Heater Products
- Drying and Storage Rack Products
- Starter Station Products
- Conveyer Products
- Tray and Other Cart Products

Warranted Products also includes any other Equipment System Products identified on Dinex's website (www.dinex.com) from time to time.

Standard Warranty. Except as indicated otherwise below, Dinex warrants that the Warranted Products will be free from defects in title, material and workmanship under normal use and service and will perform substantially in accordance with Dinex's written technical specifications for the Warranted Products (as such specifications exist on the date the Warranted Products are shipped) (the "Product Specifications"). This warranty covers both parts and labor and is available only to end-users (the "Customers") that purchase the Warranted Products from Dinex or its authorized distributors. For the purpose of these warranties, a defect is determined by Dinex after its good faith investigation.

Dinex Software. In addition to the other warranties set forth herein, with respect to Dinex's licensed software, Dinex warrants that it has the right to license or sublicense the software to Customer for the purposes and subject to the terms and conditions set forth in Dinex's standard terms and conditions.

