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WELLS BLOOMFIELD, LLC 10 Sunnen Dr., St. Louis, MO 63143 telephone: 314-678-6314 fax: 314-781-2714 www.wellsbloomfield.com

# **OWNERS MANUAL**

BUILT-IN WELL MODULAR WARMERS with INFINITE, THERMOSTAT or DIGITAL CONTROLS



M200, M227, MOD200, MOD227 M300, M327, MOD300, MOD327 M400, M427, MOD400, MOD427 M500, M527, MOD500, MOD527



Includes INSTALLATION USE & CARE EXPLODED VIEW PARTS LIST WIRING DIAGRAM

#### IMPORTANT: DO NOT DISCARD THIS MANUAL

This manual is considered to be part of the appliance and is to be given to the OWNER or MANAGER of the restaurant, or to the person responsible for TRAINING OPERATORS of this appliance. Additional manuals are available from your WELLS DEALER.

THIS MANUAL MUST BE READ AND UNDERSTOOD BY ALL PERSONS USING OR INSTALLING THIS APPLIANCE. Contact your WELLS DEALER if you have any questions concerning installation, operation or maintenance of this equipment.

#### LIMITED WARRANTY STATEMENT

Unless otherwise specified, all commercial cooking equipment manufactured by WELLS BLOOMFIELD, LLC is warranted against defects in materials and workmanship for a period of one year from the date of original installation or 18 months from the date of shipment from our factory, whichever comes first, and is for the benefit of the original purchaser only.

THIS WARRANTY IS THE COMPLETE AND ONLY WARRANTY, EXPRESSED OR IMPLIED IN LAW OR IN FACT, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND/OR FOR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH WELLS BLOOMFIELD PRODUCTS. This warranty is void if it is determined that, upon inspection by an authorized service agency, the equipment has been modified, misused, misapplied, improperly installed, or damaged in transit or by fire, flood or act of God. It also does not apply if the serial nameplate has been removed, or if service is performed by unauthorized personnel.

The prices charged by Wells Bloomfield for its products are based upon the limitations in this warranty. Seller's obligation under this warranty is limited to the repair of defects without charge by a Wells Bloomfield factory authorized service agency or one of its sub-service agencies. This service will be provided on customer's premises for non-portable models. Portable models (a device with a cord and plug) must be taken or shipped to the closest authorized service agency, transportation charges prepaid, for service. In addition to restrictions contained in this warranty, specific limitations are shown in the Service Policy and Procedure Guide. Wells Bloomfield authorized service agencies are located in principal cities. This warranty is valid in the United States and Canada and void elsewhere. Please consult your classified telephone directory, your foodservice equipment dealer or contact: Wells Bloomfield, LLC

10 Sunnen Dr., P.O.Box 430129 St. Louis MO 63143 USA phone (636) 678-6314 or fax (314) 781-2714

for information and other details concerning warranty.

#### SERVICE POLICY AND PROCEDURE GUIDE and ADDITIONAL WARRANTY EXCLUSIONS

- Resetting of safety thermostats, circuit breakers, over load protectors, and/or fuse replacements are **not** covered by this warranty unless warranted conditions are the cause.
- All problems due to operation at voltages or phase other than specified on equipment nameplates are not covered by this warranty. Conversion to correct voltage and/or phase must be the customer's responsibility.
- All problems due to electrical connections not made in accordance with electrical code requirements and wiring diagrams supplied with the equipment are not covered by this warranty.
- Replacement of items subject to normal wear, to include such items as knobs, light bulbs; and, normal maintenance functions including adjustments of thermostats, adjustment of micro switches and replacement of fuses and indicating lights are not covered by warranty.
- 5. Damage to electrical cords and/or plug due to exposure to excessive heat are **not** covered by this warranty.
- 6. Full use, care, and maintenance instructions supplied with each machine. Noted maintenance and preventative maintenance items, such as servicing and

#### SHIPPING DAMAGE CLAIM PROCEDURE

**NOTE:** For your protection, please note that equipment in this shipment was carefully inspected and packaged by skilled personnel before leaving the factory. Upon acceptance of this shipment, the transportation company assumes full responsibility for its safe delivery.

#### IF SHIPMENT ARRIVES DAMAGED:

- VISIBLE LOSS OR DAMAGE: Be certain that any visible loss or damage is noted on the freight bill or express receipt, and that the note of loss or damage is signed by the delivery person.
- 2. FILE CLAIM FOR DAMAGE IMMEDIATELY: Regardless of the extent of the damage.

- cleaning schedules, are customer responsibility. Those miscellaneous adjustments noted are customer responsibility. Proper attention to preventative maintenance and scheduled maintenance procedures will prolong the life of the appliance.
- 7. Travel mileage is limited to **sixty (60) miles** from an Authorized Service Agency or one of its sub-service agencies.
- All labor shall be performed during regular working hours. Overtime premium will be charged to the buyer.
- All genuine Wells replacement parts are warranted for ninety (90) days from date of purchase on non-warranty equipment. This parts warranty is limited only to replacement of the defective part(s). Any use of nongenuine Wells parts completely voids any warranty.
- Installation, labor, and job check-outs are not considered warranty and are thus not covered by this warranty.
- Charges incurred by delays, waiting time or operating restrictions that hinder the service technician's ability to perform service are **not** covered by warranty. This includes institutional and correctional facilities.
- CONCEALED LOSS OR DAMAGE: if damage is unnoticed until the merchandise is unpacked, notify the transportation company or carrier immediately, and file "CONCEALED DAMAGE" claim with them. This should be done within fifteen (15) days from the date the delivery was made to you. Be sure to retain the container for inspection.

Wells Bloomfield cannot assume liability for damage or loss incurred in transit. We will, however, at your request, supply you with the necessary documents to support your claim.

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# INTRODUCTION

Thank You for purchasing this Wells Bloomfield appliance.

Proper installation, professional operation and consistent maintenance of this appliance will ensure that it gives you the very best performance and a long, economical service life.

This manual contains the information needed to properly install this appliance, and to use and care for the appliance in a manner which will ensure its optimum performance.

| MODEL         | VOLTS WATTS |        |       | AMPS 3ø |       |        |
|---------------|-------------|--------|-------|---------|-------|--------|
| WIODEL        | VULIS       | VVAL15 | L1    | L2      | L3    | AMPS1ø |
|               | 208V        | 1800W  | -     | -       | -     | 8.7A   |
| MOD200, D, DM | 240V        | 2400W  | -     | -       | -     | 10.0A  |
|               | 208V        | 2700W  | 7.5A  | 7.5A    | 7.5A  | 13.0A  |
| MOD300, D, DM | 240V        | 3600W  | 8.7A  | 8.7A    | 8.7A  | 15.0A  |
|               | 208V        | 3600W  | 11.2A | 11.2A   | 7.5A  | 17.3A  |
| MOD400, D, DM | 240V        | 4800W  | 13.0A | 13.0A   | 8.7A  | 20.0A  |
| MOD500, D, DM | 208V        | 4500W  | 15.0A | 11.2A   | 11.2A | 21.6A  |
|               | 240V        | 6000W  | 17.0A | 13.0A   | 13.0A | 25.0A  |

# **SPECIFICATIONS (Infinite)**

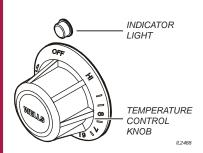
# SPECIFICATIONS (Thermostat)

|                         |                    |                |                | AMPS 3ø        |                |                |
|-------------------------|--------------------|----------------|----------------|----------------|----------------|----------------|
| MODEL                   | VOLTS              | WATTS          | L1             | L2             | L3             | AMPS1ø         |
| MOD-200T<br>MOD-200TD   | 208 VAC            | 2480W          | 6.0A           | 6.0A           | 10.3A          | 11.9A          |
| MOD-200TDM              | 240 VAC            | 3300W          | 6.9A           | 6.9A           | 11.9A          | 13.8A          |
| MOD-200TN<br>MOD-200TDN | 208 VAC            | 2480W          | 6.0A           | 6.0A           | 10.3A          | 11.9A          |
| MOD-200TDMN             | 240 VAC            | 3300W          | 6.9A           | 6.9A           | 11.9A          | 13.8A          |
| MOD-227TD               | 208 VAC            | 2480W          | 6.0A           | 6.0A           | 10.3A          | 11.9A          |
| MOD-227TDM              | 240 VAC            | 3300W          | 6.9A           | 6.9A           | 11.9A          | 13.8A          |
| MOD-300T<br>MOD-300TD   | 208 VAC            | 3725W          | 10.3A          | 10.3A          | 10.3A          | 17.9A          |
| MOD-300TDM              | 240 VAC            | 4950W          | 11.9A          | 11.9A          | 11.9A          | 20.6A          |
| MOD-300TN<br>MOD-300TDN | 208 VAC            | 3725W          | 10.3A          | 10.3A          | 10.3A          | 17.9A          |
| MOD-300TDMN             | 240 VAC            | 4950W          | 11.9A          | 11.9A          | 11.9A          | 20.6A          |
|                         | 208 VAC            | 3725W          | 10.3A          | 10.3A          | 10.3A          | 17.9A          |
| MOD-327TDM              | 240 VAC            | 4950W          | 11.9A          | 11.9A          | 11.9A          | 20.6A          |
| MOD-400T<br>MOD-400TD   | 208 VAC            | 4960W          | 14.5A          | 14.5A          | 9.8A           | 23.8A          |
| MOD-400TDM              | 240 VAC            | 6600W          | 17.8A          | 17.8A          | 11.3A          | 27.5A          |
| MOD-427TDM              | 208 VAC            | 4960W          | 14.5A          | 14.5A          | 9.8A           | 23.8A          |
|                         | 240 VAC            | 6600W          | 17.8A          | 17.8A          | 11.3A          | 27.5A          |
|                         | 0001/40            | 0.4000.44      |                |                | 10.04          | 11.04          |
| MOD200TDM/AF            | 208 VAC            | 2480W          | 6.0A           | 6.0A           | 10.3A          | 11.9A          |
|                         | 240 VAC            | 3300W<br>2480W | 6.9A           | 6.9A           | 11.9A          | 13.8A<br>11.9A |
| MOD200TDMN/AF           | 208 VAC<br>240 VAC | 3300W          | 6.0A<br>6.9A   | 6.0A<br>6.9A   | 10.3A<br>11.9A | 13.8A          |
|                         | 208 VAC            | 2480W          | 6.0A           | 6.0A           | 10.3A          | 11.9A          |
| MOD227TDM/AF            | 240 VAC            | 3300W          | 6.9A           | 6.9A           | 11.9A          | 13.8A          |
| MOD300TDM/AF            | 208 VAC            | 3725W          | 10.3A          | 10.3A          | 10.3A          | 17.9A          |
| WOD3001 DIW/AF          | 240 VAC            | 4950W          | 11.9A          | 11.9A          | 11.9A          | 20.6A          |
| MOD300TDMN/AF           | 208 VAC            | 3725W          | 10.3A          | 10.3A          | 10.3A          | 17.9A          |
|                         | 240 VAC            | 4950W          | 11.9A          | 11.9A          | 11.9A          | 20.6A          |
| MOD327TDM/AF            | 208 VAC            | 3725W          | 10.3A          | 10.3A          | 10.3A          | 17.9A          |
|                         | 240 VAC            | 4950W          | 11.9A          | 11.9A          | 11.9A          | 20.6A          |
| MOD400TDM/AF            | 208 VAC            | 4960W          | 14.5A          | 14.5A          | 9.8A           | 23.8A          |
|                         | 240 VAC            | 6600W          | 17.8A          | 17.8A          | 11.3A          | 27.5A          |
| MOD427TDM/AF            | 208 VAC            | 4960W          | 14.5A          | 14.5A          | 9.8A           | 23.8A          |
|                         | 240 VAC            | 6600W          | 17.8A          | 17.8A          | 11.3A          | 27.5A          |
| MOD500TDM/AF            | 208 VAC            | 6200W          | 19.5A          | 14.6A          | 14.6A          | 29.8A          |
|                         | 240 VAC            | 8250W          | 22.1A          | 16.9A          | 16.9A          | 34.4A          |
| MOD527TDM/AF            | 208 VAC<br>240 VAC | 6200W<br>8250W | 19.5A<br>22.1A | 14.6A<br>16.9A | 14.6A<br>16.9A | 29.8A          |
|                         | Z40 VAC            | 020000         | ZZ.TA          | 10.9A          | 10.9A          | 34.4A          |

# SPECIFICATIONS (Digital)

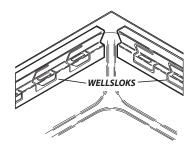
|                      |            |                 |             | AMPS 3ø     |             |             |
|----------------------|------------|-----------------|-------------|-------------|-------------|-------------|
| MODEL                | VOLTS      | WATTS           | L1          | L2          | L3          | AMPS1ø      |
| M200CE               |            |                 |             |             |             |             |
| M200E                |            |                 |             |             |             |             |
| M200CED              |            |                 |             |             |             |             |
| M200ED               |            |                 |             |             |             |             |
| M200CED6             |            |                 |             |             |             |             |
| M200ED6              |            |                 |             |             |             |             |
| M200CEDM             |            |                 |             |             |             |             |
| M200EDM              |            |                 |             |             |             |             |
| M200CEDM6            |            |                 |             |             |             |             |
| M200EDM6             |            |                 |             |             |             |             |
| M200CEAF             | 208/240V   | 2,475 / 3,312   | 6.0/6.9     | 6.0/6.9     | 10.3 / 11.9 | 11.9/13.8   |
| M200EAF<br>M200CEAF6 |            |                 |             |             |             |             |
| M200CEAF6            |            |                 |             |             |             |             |
| M227CEDM             |            |                 |             |             |             |             |
| M227EDM              |            |                 |             |             |             |             |
| M227CEDM6            |            |                 |             |             |             |             |
| M227EDM6             |            |                 |             |             |             |             |
| M227CEAF             |            |                 |             |             |             |             |
| M227GEAR             |            |                 |             |             |             |             |
| M227CEAF6            |            |                 |             |             |             |             |
| M227EAF6             |            |                 |             |             |             |             |
| M300E                |            |                 |             |             |             |             |
| M300E6               |            |                 |             |             |             |             |
| M300EAF              |            |                 |             |             |             |             |
| M300EAF6             |            |                 |             |             |             |             |
| M300ED               |            |                 |             |             |             |             |
| M300ED6              | 000/0401/  | 0 700 / 4 0 4 4 | 100/110     | 100/110     | 10.0/11.0   | 17.0.1.00.( |
| M300EDM              | 208/240V   | 3, 733 / 4,944  | 10.3 / 11.9 | 10.3 / 11.9 | 10.3 / 11.9 | 17.9 / 20.6 |
| M300EDM6             |            |                 |             |             |             |             |
| M327EAF              |            |                 |             |             |             |             |
| M327EAF6             |            |                 |             |             |             |             |
| M327EDM              |            |                 |             |             |             |             |
| M327EDM6             |            |                 |             |             |             |             |
| M300EAFTH            | 208/240V   | 2,704 / 3,600   | 7.5/8.7     | 7.5/8.7     | 7.5/8.7     | 13 / 15     |
| M400E                |            |                 |             |             |             |             |
| M400E6               |            |                 |             |             |             |             |
| M400EAF              |            |                 |             |             |             |             |
| M400EAF6             |            |                 |             |             |             |             |
| M400ED               |            |                 |             |             |             |             |
| M400ED6              | 208/240V   | 4,950 / 6,600   | 14.5 / 17.8 | 14.5 / 17.8 | 9.8 / 11.3  | 23.8/27.5   |
| M400EDM              |            |                 |             |             |             |             |
| M400EDM6             |            |                 |             |             |             |             |
| M427EAF              |            |                 |             |             |             |             |
| M427EDM              |            |                 |             |             |             |             |
| M427EDM6             |            |                 |             |             |             |             |
| M500E<br>M500E6      |            |                 |             |             |             |             |
| M500E8               |            |                 |             |             |             |             |
| M500EAF              |            |                 |             |             |             |             |
| M500ED               |            |                 |             |             |             |             |
| M500ED6              |            |                 |             |             |             |             |
| M500ED0              | 208 / 240V | 6,198 / 8,256   | 19.5 / 22.1 | 19.5 / 22.1 | 19.5 / 22.1 | 29.8/34.4   |
| M500EDM6             |            |                 |             |             |             |             |
| M500EDM0             |            |                 |             |             |             |             |
| M527EAF6             |            |                 |             |             |             |             |
| M527EAR 0            |            |                 |             |             |             |             |
| M527EDM6             |            |                 |             |             |             |             |
| MOZ/EDWO             |            |                 | I           | 1           |             |             |

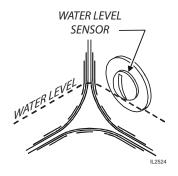
### FEATURES & OPERATING CONTROLS



#### **IMPORTANT:**

DO NOT LEAVE ON "PREHEAT" Unit may cycle on hi-limit control, leading to premature failure of the hi-limit controls device.





#### A. THERMOSTAT

- 1. On thermostatically controlled warmers, power is applied to the heating element according to the control knob position and the actual temperature at the temperature sensing thermobulb.
- 2. The desired temperature is controlled by rotating the temperature control knob. The knob has a numeric scale, where higher numbers correspond to higher temperature.
- 3. On warmers equipped with an indicator light, the light will glow when the thermostat is calling for heat (i.e. the element is energized).
- The TEMPERATURE CONTROL KNOB will rotate approximately 300°, and will reach a "stop" at both ends. The OFF position is marked.
- **NOTE:** The dial position is an indication of the temperature setting. Actual temperature will vary depending upon the type of product and food consistency.

#### A. INFINITE SWITCH

- On INFINITE SWITCH CONTROLLED warmers, power is applied to the heating element based on the control knob position, which varies the duty cycle of the heating element.
- 2. The desired temperature is controlled by rotating the TEMPERATURE CONTROL KNOB. The knob may have a numeric scale, where higher numbers correspond to higher temperature. LO is the lowest temperature setting; PREHEAT is a "continuous on" setting. Infinite switch controlled warmers are equipped with a hi-limit device to prevent overheating. The hi-limit will self-reset after the warmer has cooled.
- On warmers equipped with an INDICATOR LIGHT, the light will glow when the infinite switch is in any position other than OFF.
- 4. The TEMPERATURE CONTROL KNOB will rotate without stopping, with PREHEAT and OFF having obvious detents. The OFF position is a "positive" OFF (i.e. the switch is positively held in the open position).
- **NOTE:** An infinite switch controls temperature by varying the ratio of "on" time to "off" time. Thus, no temperature sensing devise is required.

#### **B. MOUNTING**

- MOD-series built-in warmers may are equipped with wellsloks, uniquely designed turnout tabs which help secure the warmer top flange to the countertop.
- 2. See the Installation Instructions, supplied with the particular appliance.

#### **C. DRAINS**

- 1. Models wih a "D" (e.g. M200TD) have drains for each pan, with each pan having an individual drain valve.
- 2. Models with a "DM" units (e.g. M200TDM) have the individual drain lines manifolded together, with a single drain valve for the entire manifold.

#### **D. AUTOFILL**

- On AUTOFILL units, water level is automatically fed into the "master" pan whenever that pan's thermostat is ON.
- 2. Water level is sensed by a WATER LEVEL PROBE in the "master" pan.

## PRECAUTIONS AND GENERAL INFORMATION

This appliance is intended for use in commercial establishments only.

This appliance is intended to hold pre-heated food for human consumption. No other use is recommended or authorized by the manufacturer or its agents.

Operators of this appliance must be familiar with the appliance use, limitations and associated restrictions. Operating instructions must be read and understood by all persons using or installing this appliance.

Cleanliness of this appliance is essential to good sanitation. Read and follow all included cleaning instructions and schedules to ensure the safety of the food product.

Disconnect this appliance from electrical power before performing any maintenance or servicing.

This appliance is not jet stream approved. Do not direct water jet or steam jet at this appliance, or at any control panel or wiring. Do not splash or pour water on, in or over any controls, control panel or wiring.

Exposed surfaces of this appliance can be hot to the touch and may cause burns.

Do not operate this appliance if the control panel is damaged. Call your Authorized Wells Service Agent for service.

The technical content of this manual, including any wiring diagrams, schematics, parts breakdown illustrations and/or adjustment procedures, is intended for use by qualified technical personnel.

Any procedure which requires the use of tools must be performed by a qualified technician.

This manual is considered to be a permanent part of the appliance. This manual and all supplied instructions, diagrams, schematics, parts breakdown illustrations, notices and labels must remain with the appliance if it is sold or moved to another location.

This appliance is made in the USA. Unless otherwise noted, this appliance has American sizes on all hardware.

# WARNING: SHOCK HAZARD

All servicing requiring access to non-insulated electrical components must be performed by a factory authorized technician.

DO NOT open any access panel which requires the use of tools. Failure to follow this warning can result in severe electrical shock.



DO NOT connect or energize this appliance until all installation instructions are read and followed. Damage to the appliance may result if these instructions are not followed.



Exposed surfaces can be hot to the touch and may cause burns.

# AGENCY LISTING INFORMATION

Refer to the product nameplate for the specific appliance for agency listings. In general:

This appliance conforms to NSF Standard 4 for sanitation only if installed in accordance with the supplied Installation Instructions.

UL Listed warmers are U Listed under UL File E6070.



# INSTALLATION

**NOTE:** DO NOT discard the carton or other packing materials until you have inspected the appliance for hidden damage and tested it for proper operation. Refer to SHIPPING DAMAGE CLAIM PROCEDURE on the inside front cover of this manual.



Installation procedures must be performed by a qualified technician with full knowledge of all applicable electrical and plumbing codes. Failure can result in personal injury and property damage.



### CAUTION FIRE HAZARD

Avoid storing flammable or combustible materials in, on or near the appliance.

**IMPORTANT:** For warmers installed in plastic counter tops, the counter material must be protected from the heat of the warmer in order to prevent discoloration and/or deterioration. Wellsloks are not suitable for this purpose. The installer should contact the manufacturer or distributor of the countertop material for specific instructions.

**IMPORTANT:** Wellslok Extension Kits must be used ONLY with UL Listed warmers approved for installation in wood counter tops. Refer to the Installation Instructions provided with the warmer.

#### **UNPACKING & INSPECTION**

Carefully remove the appliance from the carton. Remove all protective plastic film, packing materials and accessories from the Appliance before connecting electrical power or otherwise performing any installation procedure.

Carefully read all instructions in this manual and the Installation Instruction Sheet packed with the appliance before starting any installation.

Read and understand all labels and diagrams attached to the appliance.

Carefully account for all components and accessories before discarding packing materials. Store all accessories in a convenient place for later use.

#### **INSTALLATION NOTES**

- 1. Installation and start up of built-in warmers MUST be performed by an authorized installation company.
- 2. It is the responsibility of the installer to verify that this warmer installation is in compliance with the specifications listed in this manual and on the specification sheet provided.
- 3. It is the RESPONSIBILITY OF THE INSTALLER to check with the authority having jurisdiction, in order to verify that this warmer installation is in compliance with local code requirements.
- 4. Water supply and drain installation must meet all applicable local, state and federal plumbing codes and ordinances.
- 5. Refer to Installation Instructions included with the warmer for Underwriters Laboratories conditions of acceptability, electrical requirements and other installation concerns.

#### **BUILT-IN WARMERS**

- This is a GENERAL GUIDE. For specific cutout dimensions and other installation details, refer to the Installation Instructions supplied with the warmer.
- 2. Cutout dimensions for warmer units and control panels are listed on the Installation Instructions provided with the warmer.

**NOTE:** Cutout dimensions are different for auto-fill and non auto-fill units, control panels, and for wood and metal counters. Verify the dimensions are correct for the installation before making the cutout. Specific cutout specifications are list on the installation sheet included with the unit.

# INSTALLATION

- 3. For "top-mounted" warmers (i.e. warmers mounted from above the counter top):
  - a. Verify that provided sealants are applied to the underside of the warmer top flange prior to setting the unit into the cutout.
  - b. After installation, verify that the tabs on the Wellsloks are turned out to lock the warmer into the counter.
  - c. Apply a thin bead of food-grade silicone sealant around the flange to seal it to the counter.
  - Wellslok extension kits are available for installing warmers in counter tops where the standard Wellslok would not normally reach. The extension kit will adapt to counter tops up to 1<sup>3</sup>/<sub>4</sub>" thick.

#### ELECTRICAL INSTALLATION

- 1. Refer to the product nameplate. Verify the electrical service power. Voltage and phase must match the nameplate specifications. Wiring the warmer to the wrong voltage can severely damage the unit or cause noticeably decreased performance.
- Available electrical service amperage must meet or exceed the specifications listed on the specification sheet provided with the warmer.
- Warmer and control unit must be connected to an appropriate building ground. Ground connection will be marked "GND" or " .

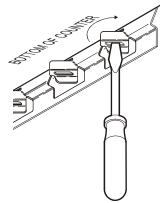
**NOTE:** Wire gauge, insulation type and temperature rating , as well as type, size and construction of conduit, must meet or exceed applicable specifications of local codes and of the National Electrical Code.

#### PLUMBING INSTALLATION

For use in the State of Massachusetts, this appliance must be installed in compliance with *Massachusetts Fuel Gas and Plumbing Code CMR 248.* 

- 1. **IMPORTANT:** All plumbing installations must be performed by a qualified plumber.
- 2. For units equipped with a **DRAIN** LINE: Some jurisdictions may require an approved air gap or other back-flow prevention device in the drain. It is the responsibility of the plumber to determine such requirement, to provide and properly install the required device.
- 3. **AUTOFILL** units are equipped with a **DRAIN** LINE: Some jurisdictions may require an approved air gap or other back-flow prevention device in the drain. It is the responsibility of the plumber to determine such requirement, to provide and properly install the required device.
- 4. For **AUTOFIL**L units: Some jurisdictions may require an approved back-flow preventer in the water supply line. It is the responsibility of the plumber to determine such requirement, and to provide and properly install the required device.

Autofill supply must be connected to a COLD WATER line only.



**NOTE:** Damage caused by leaks due to improper installation is NOT covered by warranty.



The ground lug of this appliance must be connected to a suitable building ground.

**IMPORTANT:** Contact a licensed electrician to install and connect electrical power to the appliance.

**IMPORTANT:** Damage due to being connected to the wrong voltage or phase is NOT covered by warranty.

**IMPORTANT:** Electrical installation other than as specified on the specification sheet will void the UL listing, and may void the warranty.

**NOTE:** Plumb connections must be made in compliance with all Federal, State and Local Plumbing Codes and Ordinances.

### OPERATION



#### CAUTION: HOT SURFACE

Exposed surfaces can be hot to the touch and may cause burns.



**DO NOT** splash or pour water onto control panel or wiring.

Always use an inset. **DO NOT** place food directly into the warmer.

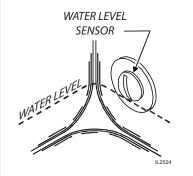
Always pour hot water into the warmer before it is preheated. **DO NOT** pour water into a dry, heated warmer. This may damage the unit.

**DO NOT** put ice into a warmer pan. This will cause condensation on the inside of the warmer. Damage caused by condensation is *NOT* covered by warranty.

Stir thick food items frequently to keep food heated uniformly. Keep insets covered to maintain food quality and temperature.

DO NOT use AUTOFILL

warmers in the dry mode. This may damage the water level sensor. NEVER turn the thermostat ON for the pan with the sensor and fill tube unless the entire warmer unit is to be used in the wet mode.



#### WET OR DRY OPERATION for WARMERS

- 1. Carefully read the description of the warmer operation on the specification sheet.
- 2. a. Most warmers are designed for WET OR DRY operation.
  - b. Warmers may be used wet, or may be used dry. However warmers may **NOT** be used wet-to-dry or dry-to-wet unless they have been allowed to cool to room temperature between the change in wet or dry operation.
  - c. Wells Manufacturing recommends operating WET for consistent food heating.
  - d. If your wet-operation warmer is allowed to run dry, turn it OFF and allow to cool to room temperature before adding water.
- If the warmer is to be used for WET operation, add approximately 1" of hot tap water before turning the warmer on. Use of hot water will allow a faster preheat.
  - a. Check the water level frequently and add hot water as necessary to prevent the warmer from running dry. Do not add water to the warmer if it has run dry.
  - b. If your wet-operation warmer is allowed to run dry, turn it OFF and allow to cool to room temperature before adding water.
- Damage caused by allowing a wet-operation warmer to run dry, is NOT covered by warranty. Damage caused by adding water to a dry warmer when hot is NOT covered by warranty.

#### **PRE-HEATING THE WARMER**

- 1. Place desired pan(s) or inset(s) with appropriate adapter top on warmer.
  - a. Insets are available as accessories in 2½ qt., 4qt., 7 qt., and 11 qt. sizes with lids and adapter tops.
  - b. For dry operation, a 6" deep pan or inset is recommended.
- 2. Turn temperature control to HI or highest temperature setting.
- 3. Allow warmer to preheat for approximately 30 minutes, then set the control for the desired temperature. Be sure to keep the warmer covered during preheat and operation.

#### AUTOFILL WARMERS

- 1. Autofill warmers sense water level by a sensor placed at the proper level. For manifolded autofill warmers, the water level sensor / fill tube is in one pan only, normally in the far left pan.
- 2. Water fills the pan through an inlet tube. For manifolded autofill warmers, the fill tube is normally in the far left pan. All other sections fill at the same time through the drain manifold.
- 3. The autofill function is active only when the thermostat for the pan with the water level sensor is turned ON .
- 4. Make sure the drain valve is fully closed before turning any t-stats ON.
- 5. The autofill function is only activated when the far left thermostat is turned ON. For manifolded autofill warmers, be sure to turn far left thermostats ON before turning any other control ON, to avoid heating a dry pan.

### **OPERATION** (continued)

#### **AUTOFILL WARMERS continued**

- 6. DO NOT use autofill warmers in the dry mode. This may damage the water level sensor probe. NEVER turn the thermostat ON for the pan with the probe and fill tube unless the entire warmer unit is to be used in the wet mode.
- 7. Clean water level sensor daily to maintain water level in warmer.

#### **OPERATION**

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- 1. Always use an inset. DO NOT place food directly into the warmer.
- 2. Check water level in wet-operation warmer frequently during use. Running warmers dry will lower the temperature of the food in the insert pan, and may damage the warmer.
- 3. Alternating between wet and dry operation in any individual warmer is NOT recommended.
- DO NOT use metal tools, steel wool, or caustic or abrasive 4. cleanser to clean warmer pan.

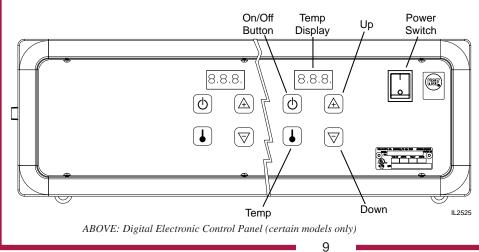
#### WARMERS WITH MANIFOLDED DRAIN

- Manifolded warmers have a single drain valve. 1.
- Water poured into any one section will seek the same water level with all 2. sections on the manifold.
- 3. Make sure the drain valve is fully closed before filling warmer.

#### Digital Control Operation

This control will provide close regulation of the temperature in the basin and give an indication of the air temperature surrounding the food container. The temperature is adjustable from 100° to 200°F. Pressing the ON/OFF button of the temperature control activates the heating circuit. The setpoint is displayed by pressing and holding the TEMP button. Adjust the regulated temperature by pressing the + or – buttons while holding the TEMP button down. The actual basin temperature is displayed when no buttons are pressed and the control is in the ON mode. The dot in the lower corner of the display indicates when the control is calling for heat.

When provided the master power switch controls the heating circuit and the automatic water fill ocntrol. Turn "OFF" the power switch when draining or cleaning the unit.



# CLEANING INSTRUCTIONS

|   | DAILY CLEANING   | INSTRUCTIONS   |  |  |  |
|---|--|--|--|--|--|
| SHOCK HAZARD<br>DO NOT splash or pour water<br>into or over any control panel<br>or wiring. | PREPARATIONS:  | Turn control knob(s) to OFF. Allow warmer to cool<br>before proceeding.<br>Remove any insets, pans and/or adapter tops.<br>Drain or remove water from well if used for<br>wet operation. |  |  |  |
|   | FREQUENCY:   | Minimum - daily.   |  |  |  |
| SHOCK HAZARD<br>Disconnect warmer from<br>electric power before cleaning<br>CAUTION:        | TOOLS:   | Mild Detergent<br>Solution: 10 Parts Warm Water to 4 Parts Vinegar<br>Plastic Scouring Pad<br>Clean Cloth or Sponge<br>Food-Grade Silicone Sealant                                       |  |  |  |
| <b>BURN HAZARD</b>  |  | down using a clean cloth or sponge and mild  |  |  |  |
| Allow warmer to cool completely before cleaning.  | <ul> <li>detergent.</li> <li>Use a plastic scouring pad to remove any hardened food particles or mineral deposits.</li> <li>IMPORTANT: DO NOT use steel wool for cleaning.</li> </ul>  |  |  |  |  |
|   | 3. Rinse warmer t  | horoughly with a vinegar and water solution to<br>stergent cleanser residue.   |  |  |  |
|   | <ol> <li>Inspect warmer flange-to-counter seal. Reseal with food-grade<br/>silicone sealant if necessary. Failure to do so may allow grease and<br/>water to leak into insulation and heating element, causing a potential<br/>fire and/or electric shock hazard.</li> </ol>                             |  |  |  |  |
|   | 5. Inspect warmer tank for damage. Damage to the outer body may allow grease and water to leak into insulation and heating element, causing a potential fire and/or electric shock hazard. Contact your Authorized Wells Service Agency to inspect warmer if water or grease contamination is suspected. |  |  |  |  |
|   | 6. Close drain val   | ve. Add proper amount of warm water. Turn control<br>I check for proper operation.   |  |  |  |

# **CLEANING INSTRUCTIONS**

#### WEEKLY CLEANING INSTRUCTIONS

**PREPARATIONS:** Remove any insets, pans and/or adapter tops. Drain or remove water from well if used for wet operation.

FREQUENCY: Weekly, or whenever lime or scale is seen accumulating on the sides of the warmer pans.

TOOLS: **Commercial Delime Cleaner** Plastic Scouring Pad Clean Cloth or Sponge

- 1. Add water to pans until water is at normal operating level (1" - 1 1/2" deep) or covers accumulated scale.
- 2. Heat water to maximum temperature (190°F or higher).
- 3. Pour contents of one package of commercial delime cleaner into each warmer pan. Stir to dissolve cleaner. Turn heat control OFF. Cover pans.
- 4. Allow solution to soak at least one hour, or overnight for heavy scale buildup.
- 5. Drain hot water from pans. Scrub with a plastic scouring pad. Rinse thoroughly with hot water, then dry.
- 6. Refill pans with hot tap water and resume operation.
- 7. Heavy scale buildup may require additional treatments.



#### **CAUTION:** CHEMICAL BURN HAZARD

Deilimng chemicals may be caustic. Wear appropriate personal protective equipment. Follow cleaner manufacturer's instructions for safest use.

# **TROUBLESHOOTING SUGGESTIONS**

| SYMPTOM   | POSSIBLE CAUSE                                | SUGGESTED REMEDY   |  |
|---|---|--|--|
| No power to warmer                                | Circuit breaker off or tripped                | Reset circuit breaker  |  |
| Warmer will not heat                              | Temperature control not set                   | Set control to desired temperature   |  |
|   | Wet insulation                                | Verify flange-to counter seal is sound, or reseal with food-grade silicone sealant |  |
| Warmer trips circuit breaker                      | Pan leaking or other internal damage          | Contact your Authorized Wells Service Agency for repairs                           |  |
|   | Internal damage                               | Contact your Authorized Wells Service Agency for repairs                           |  |
| Warmer slow to heat                               | Mineral deposits on pan acting as a insulator | Clean pan(s) with delime cleaner   |  |
| Warner slow to heat                               | Wired to wrong voltage                        | Verify supply voltage - must match voltage on warmer nameplate                     |  |
| Drain aquipped unit will not held                 | Drain valve not fully closed                  | Check drain valve for debris and close fully                                       |  |
| Drain-equipped unit will not hold water           | Drain valve damaged or pan(s) leaking         | Contact your Authorized Wells Service Agency for repairs                           |  |
|   | Water level sensor dirty                      | Clean water level sensor   |  |
| Auto-fill unit overflows                          | Internal damage                               | Contact your Authorized Wells Service Agency for repairs                           |  |
| Auto-fill unit does not fill                      | Water supply turned off or restricted         | Be sure water supply is turned on and water supply hose is not pinched or twisted  |  |
|   | Bad Probe or other Internal Damage            | Contact your Authorized Wells Service Agency<br>for repairs                        |  |
| One or more pans of an auto-fill unit do not fill | Blocked drain manifold                        | Clean drain manifold   |  |

There are no user-serviceable components in this appliance. In all instances of damage or malfunction, contact your Authorized Wells Service Agency for repairs.

# **MAINTENANCE INSTRUCTIONS**

# CARE OF STAINLESS STEEL

Stainless steel is a marvelous material: strong, lustrous and low maintenance. With a minimum of care, it will normally retain its beauty and durability for the life of the equipment. In some applications, however, special care is required in order to maintain stainless steel's special properties.

External components, such as cabinets and control panels, are finished with a grain pattern. This pleasing finish is best maintained by cleaning with a non-abrasive cleanser applied with a soft cloth. Rub only in the direction of the grain. In the absence of visible grain, rub only along the longest axis of the appliance.

Restore stainless steel's luster by applying a polish specifically made for stainless steel. Spray on, wipe off with a soft cloth, rubbing in the direction of the grain.

# Never use metal implements, wire brushes, abrasive scratch pads or steel wool to clean stainless steel.

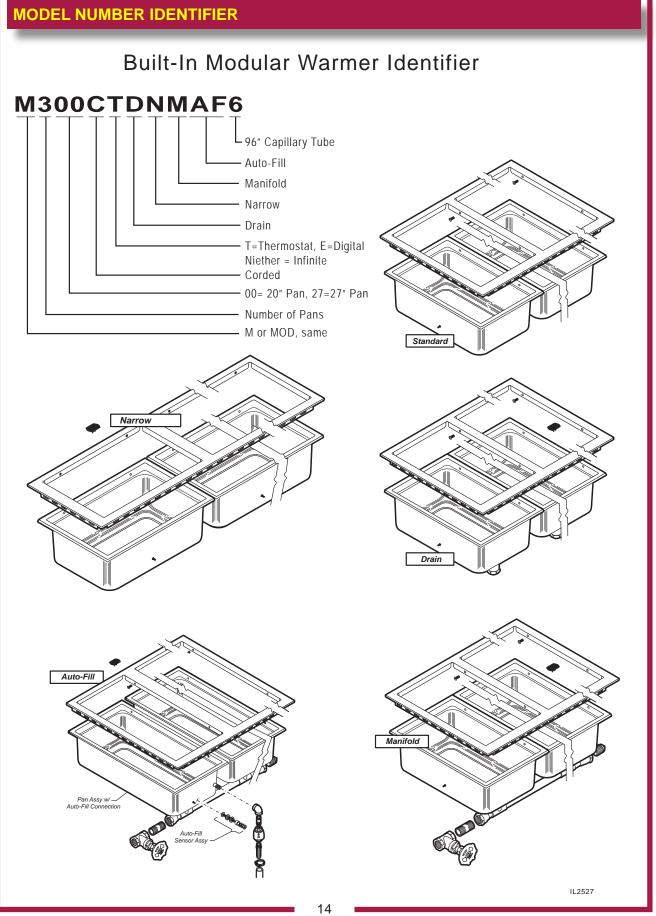
Warmer pans, insets and other vessels are subject to a harsher environment. Wells Manufacturing uses an very high quality stainless steel (#304DDQ) for our food warmer pans. Even the highest quality stainless steel, however, is mostly iron, and will rust, pit and corrode under the following conditions:

- **Poor Water Quality:** Hard water (water with a high content of dissolved minerals) will leave mineral deposits when allowed to dry. Calcium (lime) can buildup on heated surfaces, even under water. If left unattended, hard water spots and lime buildup can lead to rusting, corrosion and pitting.
- **Contact with Chlorides:** Chlorides (specific compounds of chlorine) are found in food, table salt and many cleansers. Chlorides can attack the surface of stainless steel, resulting in corrosion and pitting.

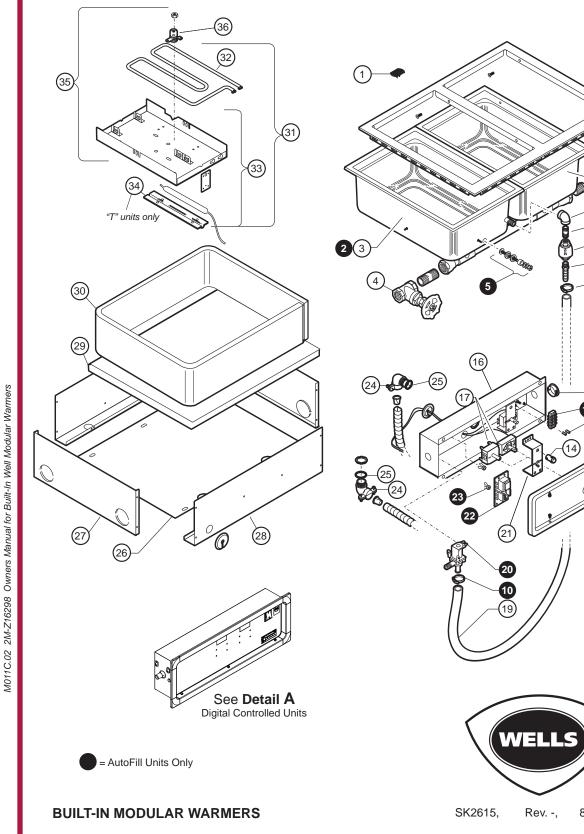
Keep your stainless steel warmers clean and free from calcium buildup. Use alkaline, alkaline chlorinated or non-chloride cleanser. Use citric acid-based cleaners to remove calcium deposits.

For additional information, please read the NAFEM Stainless Steel Equipment and Cleaning Guide. Contact NAFEM at :

North American Association of Food Equipment Manufacturers 401 N. Michigan Avenue Chicago, Illinois 60611-4267 (312) 644-6610



# **EXPLODED VIEW & PARTS LIST**



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# PARTS LIST: M200-227 SERIES

| _      | _              |                               | _       |   |
|--------|----------------|-------------------------------|---------|---|
| Mod    | el: Modular Wa | armers M200-227T, TD, TDM, TD | MAF, TI | N, M200-227E, CE, ED, EDM, EDMAF, EN    |
| Fig No | Part No        | Description                   | Qty     | Application                             |
| 1      | P2-31869       | SCREEN DRAIN ASSY WARMER      | 2       | DRAIN UNITS                             |
|        | P2-Z14636      | PAN ASSY 12X20 EAF W/TEE      |         | M200 DIGITAL                            |
|        | P2-Z14647      | PAN ASSY 12X27 EAF            | 1       | M227 DIGITAL                            |
| 2      | P2-WL0064      | PAN ASSY W/ELBOW MODTDMN      | 1       | M200 T-STAT NARROW                      |
|        | WS-503893      | PAN ASSY 200-500TDM A/F       |         | M200 T-STAT & INFINITE                  |
|        | WS-504101      | PAN ASSY 12X27 AF             |         | M227 T-STAT                             |
|        | P2-Z14639      | PAN ASSY 12X20 E              |         | M200 DIGITAL                            |
|        | P2-Z14637      | PAN ASSY 12X20 ED w/DRAIN     |         | M200 DIGITAL DRAIN                      |
|        | P2-Z14638      | PAN ASSY 12X20 EDM            | 2       | M200 DIGITAL DRAIN, MANIFOLD            |
|        |                |                               |         | M227 DIGITAL, DRAIN, MANIFOLD           |
|        | P2-Z14646      | PAN ASSY 12X27 EDM            | 1       | M227 DIGITAL, AUTOFILL                  |
| 3      | P2-WL0063      | PAN ASSY AF MODTDMN           |         | M200 T-STAT, AUTOFILL                   |
|        | WS-55742       | PAN W/DRAIN 200-500DM/TDM     | 1       | M200 T-STAT & INFINITE, DRAIN, MANIFOLD |
|        | WS-55741       | PAN W/O DRAIN 200-500 / T     |         | M200 T-STAT & INFINITE                  |
|        | WS-53201       | PAN W/DRAIN 200-500 /TD       | 2       | M200 T-STAT & INFINITE, DRAIN           |
|        | WS-500700      | PAN ASSY 12X27 TDM            |         | M227 T-STAT, DRAIN, MANIFOLD            |
| 4      | 2V-35609       | VALVE 1 IN GATE BRONZE        | 1       | MANIFOLD UNITS                          |
| 5      | WS-503713      | PROBE ASSY, SS AF WRMR        | 1       | AUTOFILL UNITS                          |
| 6      | 2K-48198       | ELBOW 3/8 X 90DEG BRASS       | 1       | AUTOFILL UNITS                          |
| 7      | 2K-48197       | NIPPLE 3/8 NPT X 2 BRASS      | 1       | AUTOFILL UNITS                          |
| 8      | 2V-47650       | VALVE ANTISYPHON 3/8          | 1       | AUTOFILL UNITS                          |
| 9      | 2K-47662       | FTG STR BRS 3/8NPT X3/8IN     | 1       | AUTOFILL UNITS                          |
| 10     | 2C-46591       | CLAMP HOSE 5/8                | 2       | AUTOFILL UNITS                          |
| 11     | 2K-31040       | BUSHING HEYCO 7/8 OD          | 1       | THERMOSTAT UNITS                        |
| 12     | WS-50131       | TERM BLOCK KIT (RETRO 30131)  | 1       | INFINITE & AUTOFILL UNITS               |
| 13     | 2C-41974       | NUT 8-32 HEX 7/8 LONG ALU     | 2       | AUTOFILL UNITS                          |
| 14     | 2J-30385       | LIGHT SIGNAL GLO DOT RED      | 2       | INFINITE UNITS                          |
| 14     | 2J-35687       | LIGHT SIGNAL GLO DOT          | 2       | T-STAT UNITS                            |
| 15     | P2-Z12288      | PANEL, CONTROL                | 1       | T-STAT & INFINITE UNITS NON-AF          |
| 15     | P2-Z12589      | PANEL, CONTROL MOD 200/400    | 1       | AUTOFILL UNITS                          |
| 14     | E7-49046       | BOX OUTLET MOD WARM           | 1       | T-STAT & INFINITE UNITS NON-AF          |
| 16     | P2-48175       | BOX OUTLET MOD200/400TDM      |         | AUTOFILL UNITS                          |
|        | 2T-38968       | THERMO K TYPE                 |         | T-STAT UNITS                            |
|        | 2T-46551       | THERMO CTRL 96IN CAP          | 2       | T-STAT UNITS w/ 96IN CAPILLARY          |
| 17     | 2T-45917       | THERMO CTRL W/AUX WARMERS     |         | T-STAT UNITS, AUTOFILL                  |
|        | 2E-30570       | SWITCH INFINITE, 120V         | 2       | INFINITE UNITS, 120V                    |
|        | 2E-30562       | SWITCH INFINITE, 240V         | 2       | INFINITE UNITS, 240V                    |
| 10     | 2R-44373       | KNOB CONTROL ASSY WARMERS     | 2       | INFINITE UNITS                          |
| 18     | 2R-40498       | KNOB ASSY MOD 100DT           | 2       | T-STAT UNITS                            |
| 20     | 2E-46529       | SOLENOID VALVE 1/4NPT 240     | 1       | AUTOFILL UNITS                          |
| -01    | P2-40843       | BRKT MTG THERMO INFINITE      | 2       | T-STAT & INFINITE UNITS                 |
| 21     | P2-48176       | BRKT THERMO MOD200TDM AUT     | 2       | T-STAT AUTOFILL                         |
| 22     | 2E-306865      | CONTROL LIQ LEVEL 208/240     | 1       | AUTOFILL UNITS                          |
| 23     | 2I-40034       | GROMMET SCREW T4              | 4       | AUTOFILL UNITS                          |
| 24     | 2K-33996X      | FTG FLEX CONDUIT 90X3/8       | 2       |   |
| 25     | 2I-Z12311      | GASKET-FIBER WASHER           | 2       |   |
|        |                |                               |         |   |

# PARTS LIST: M200-227 SERIES

| Mode   | el: Modular Wa | rmers M200-227T, TD, TDM, TI | OMAF, TN        | N, M200-227E, CE, ED, EDM, EDMAF, EN |
|--------|----------------|------------------------------|-----------------|--------------------------------------|
| Fig No | Part No        | Description                  | Qty             | Application                          |
| 2/     | P2-300712      | COVER BOT M227-427TDM/AM     | 2               | M227                                 |
| 26     | P2-35004       | COVER BOTTOM 200 SERIES      | 1               | M200                                 |
| 27     | P2-303359      | SHROUD SIDE MODS ROHS        | 2               | M200                                 |
| 27     | P2-300593      | SHROUD SIDE MOD TDN          | ] 2             | M200 NARROW                          |
|        | P2-Z15948      | SHROUD, FRONT UNIVERSAL      | 1               | M200, 227                            |
| 28     | P2-33909       | SHROUD FRONT/REAR MOD200     |                 |                                      |
|        | P2-300592      | SHROUD FRT/RR MOD200TDN      | 2               | M200 NARROW                          |
| 29     | 2H-36050       | INSUL FG .6 MICRO 1/36       | sold by<br>foot |                                      |
| 30     | 2H-36196       | INSUL FG .6 MICRO 1X45       | sold by<br>foot |                                      |
|        | P2-WL0082      | PAN ELEM ASSY                |                 | M200 DIGITAL                         |
|        | P2-WL0096      | PAN ELEM ASSY MOD 227-527    | 2               | M227 DIGITAL                         |
| 31     | WS-503843      | KIT PAN ELEM W/ELMNT 208/240 |                 | M200 T-STAT & INFINITE               |
|        | WS-503701      | KIT ELEM PAN W/ELEMENT       |                 | M200 T-STAT NARROW                   |
|        | WS-503840      | KIT ELEM PAN W/ELEMENT       |                 | M227 T-STAT                          |
|        | WS-50396       | ELEM 120V 1200W              |                 | M200 INFINITE, 120V                  |
|        | WS-50398       | ELEM 240V 1200W M P          |                 | M200 INFINITE, 240V                  |
| 32     | 2N-46681UL     | ELEM 120V 1650W              | 2               | M200 T-STAT, 120V                    |
|        | 2N-303375UL    | ELEM HEATING 240V 1650W      |                 | M200 T-STAT, 240V                    |
|        | 2N-300706UL    | ELEM 240V 1650W 12 X 27      |                 | M227                                 |
|        | WS-55707       | COVER ELEM MOD WARMER        |                 | INFINITE UNITS                       |
| 33     | WS-503842      | KIT ELEM PAN W/O ELEMENT     | 2               | M200, T-STAT & DIGITAL               |
| 33     | WS-503370      | PAN, ELEMENT MODS            |                 | M200 NARROW                          |
|        | WS-503841      | KIT ELEM PAN W/O ELEMENT     |                 | M227                                 |
| 34     | D8-303352      | BRKT THERMO BULB             | 2               | THERMOSTAT UNITS                     |
| 35     | P2-WL0081      | PAN ELEM ASSY MOD200-500     | 2               | INFINITE 240V                        |
| 36     | WS-50374       | THERMO, HI-LIMIT, SFTY, 550F | 2               | INFINITE UNITS                       |
| NI     | 2C-30397       | CLIP ELEM WRMRS SML          | 18              | VARIOUS OLDER UNITS                  |
| NI     | 2E-200372      | CORD SET, 12/3 CORD 6-20     | 1               | M200C                                |

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# PARTS LIST: M300-327 SERIES

| ig No | Part No   | Description                  | Qty | Application                             |
|-------|-----------|------------------------------|-----|---|
| 1     | P2-31869  | SCREEN DRAIN ASSY WARMER     | 3   | DRAIN UNITS                             |
|       | P2-Z14636 | PAN ASSY 12X20 EAF W/TEE     |     | M300 DIGITAL                            |
|       | P2-Z14647 | PAN ASSY 12X27 EAF           |     | M327 DIGITAL                            |
| 2     | P2-WL0064 | PAN ASSY W/ELBOW MODTDMN     | 1   | M300 T-STAT NARROW                      |
|       | WS-503893 | PAN ASSY 200-500TDM A/F      |     | M300 T-STAT & INFINITE                  |
|       | WS-504101 | PAN ASSY 12X27 AF            |     | M327 T-STAT                             |
|       | P2-Z14639 | PAN ASSY 12X20 E             |     | M300 DIGITAL                            |
|       | P2-Z14637 | PAN ASSY 12X20 ED w/DRAIN    | 0   | M300 DIGITAL DRAIN                      |
|       | P2-Z14638 | PAN ASSY 12X20 EDM           | 3   | M300 DIGITAL DRAIN, MANIFOLD            |
|       |           |                              |     | M327 DIGITAL, DRAIN, MANIFOLD           |
| 2     | P2-Z14646 | PAN ASSY 12X27 EDM           | 2   | M327 DIGITAL, AUTOFILL                  |
| 3     | P2-WL0063 | PAN ASSY AF MODTDMN          | 2   | M300 T-STAT, AUTOFILL                   |
|       | WS-55741  | PAN W/O DRAIN 200-500 / T    |     | M300 T-STAT & INFINITE                  |
|       | WS-53201  | PAN W/DRAIN 200-500 /TD      | 2   | M300 T-STAT & INFINITE, DRAIN           |
|       | WS-55742  | PAN W/DRAIN 200-500DM/TDM    | 3   | M300 T-STAT & INFINITE, DRAIN, MANIFOLD |
|       | WS-500700 | PAN ASSY 12X27 TDM           |     | M327 T-STAT, DRAIN, MANIFOLD            |
| 4     | 2V-35609  | VALVE 1 IN GATE BRONZE       | 1   | MANIFOLD UNITS                          |
| 5     | WS-503713 | PROBE ASSY, SS AUTOFILL WRMR | 1   | AUTOFILL UNITS                          |
| 6     | 2K-48198  | ELBOW 3/8 X 90DEG BRASS      | 1   | AUTOFILL UNITS                          |
| 7     | 2K-48197  | NIPPLE 3/8 NPT X 2 BRASS     | 1   | AUTOFILL UNITS                          |
| 8     | 2V-47650  | VALVE ANTISYPHON 3/8         | 1   | AUTOFILL UNITS                          |
| 9     | 2K-47662  | FTG STR BRS 3/8NPT X3/8IN    | 1   | AUTOFILL UNITS                          |
| 10    | 2C-46591  | CLAMP HOSE 5/8               | 2   | AUTOFILL UNITS                          |
| 11    | 2K-31040  | BUSHING HEYCO 7/8 OD         | 1   | THERMOSTAT UNITS                        |
| 12    | WS-50131  | TERM BLOCK KIT (RETRO 30131) | 1   | INFINITE & AUTOFILL UNITS               |
| 13    | 2C-41974  | NUT 8-32 HEX 7/8 LONG ALU    | 2   | AUTOFILL UNITS                          |
| 14    | 2J-30385  | LIGHT SIGNAL GLO DOT RED     | 2   | INFINITE UNITS                          |
| 14    | 2J-35687  | LIGHT SIGNAL GLO DOT         | 3   | T-STAT UNITS                            |
| 45    | P2-Z12592 | PANEL, CONTROL               | 1   | INFINITE UNITS NON-AF                   |
| 15    | P2-Z12586 | PANEL, CONTROL MOD300TDM     | 1   | T-STAT UNITS                            |
| 15    | P2-Z12588 | PANEL, CONTROL MOD600 TDM    | 1   | M300/327 T-STAT, DRAIN, MANIFOLD        |
| 16    | P2-46685  | BOX OUTLET MOD300, 400, 500  | 1   | T-STAT & INFINITE UNITS NON-AF          |
| 16    | P2-48178  | BOX OUTLET MOD600TDM         | 1   | AUTOFILL UNITS                          |
|       | 2T-38968  | THERMO K TYPE                |     | T-STAT UNITS                            |
|       | 2T-46551  | THERMO CTRL 96IN CAP         | 3   | T-STAT UNITS w/ 96IN CAPILLARY          |
| 17    | 2T-45917  | THERMO CTRL W/AUX WARMERS    |     | T-STAT UNITS, AUTOFILL                  |
|       | 2E-30570  | SWITCH INFINITE, 120V        |     | INFINITE UNITS, 120V                    |
|       | 2E-30562  | SWITCH INFINITE, 240V        |     | INFINITE UNITS, 240V                    |
| 10    | 2R-44373  | KNOB CONTROL ASSY WARMERS    | 0   | INFINITE UNITS                          |
| 18    | 2R-40498  | KNOB ASSY MOD 100DT          | 3   | T-STAT UNITS                            |
| 20    | 2E-46529  | SOLENOID VALVE 1/4NPT 240    | 1   | AUTOFILL UNITS                          |

# PARTS LIST: M300-327 SERIES

| Node   | l: Modular V | Varmers M300-327T, TD, TDM, 1     | DMAF, TN, M3 | 300-327E, CE, ED, EDM, EDMAF, E |  |
|--------|--------------|-----------------------------------|--------------|---------------------------------|--|
| ⁼ig No | Part No      | Description                       | Qty          | Application                     |  |
|        | P2-37809     | BRKT CONT MTG MOD 300 400         |              | INFINITE UNITS                  |  |
| 21     | P2-48586     | BRKT THERMO MOD300T               | 1            | T-STAT                          |  |
|        | P2-47863     | BRKT THERMO MOD BMW ROHS          |              | T-STAT AUTOFILL                 |  |
| 22     | 2E-306865    | CONTROL LIQ LEVEL 208/240         | 1            | AUTOFILL UNITS                  |  |
| 23     | 21-40034     | GROMMET SCREW T4                  | 4            | AUTOFILL UNITS                  |  |
| 24     | 2K-33996X    | FTG FLEX CONDUIT 90X3/8           | 2            |                                 |  |
| 25     | 2I-Z12311    | GASKET-FIBER WASHER               | 2            |                                 |  |
| 27     | P2-300702    | COVER BOT M327/ 527TDM/A          | 1            | M327                            |  |
| 26     | P2-307110    | COVER BOTTOM 300 SERIES           | 1            | M300                            |  |
| 07     | P2-303359    | SHROUD SIDE MOD ROHS              | 2            | M300                            |  |
| 27     | P2-300593    | SHROUD SIDE MOD TDN               | 2            | M300 NARROW                     |  |
|        | P2-303357    | SHROUD FRONT MOD300, 327T         | 1            | M300, 327                       |  |
| 28     | P2-48193     | SHROUD REAR MOD 300 ROHS          | 1            | M300, 327                       |  |
|        | P2-307128    | SHROUD FT/RR MOD300TDMN           | 2            | M300 NARROW                     |  |
| 29     | 2H-36050     | INSUL FG .6 MICRO 1/36            | SOLD BY FOOT |                                 |  |
| 30     | 2H-36196     | INSUL FG .6 MICRO 1X45            | SOLD BY FOOT |                                 |  |
|        | P2-WL0082    | PAN ELEM ASSY                     | 3            | M300 DIGITAL                    |  |
|        | P2-WL0096    | PAN ELEM ASSY MOD 227-527         |              | M327 DIGITAL                    |  |
|        | WS-503843    | KIT PAN ELEM W/ELEMENT 208/240    |              | M300 T-STAT                     |  |
| 31     | WS-503701    | KIT ELEM PAN W/ELEMENT            | 2            |                                 |  |
|        | P2-WL0072    | PAN ELEM ASSY MID MOD300T         | 1            | M300 T-STAT NARROW              |  |
|        | WS-503840    | KIT ELEM PAN W/ELEMENT            | 3            | M327 T-STAT                     |  |
|        | WS-50396     | ELEM 120V 1200W                   |              | M300 INFINITE, 120V             |  |
|        | WS-50398     | ELEM 240V 1200W M P               |              | M300 INFINITE, 240V             |  |
| 32     | 2N-46681UL   | ELEM 120V 1650W                   | 3            | M300 T-STAT, 120V               |  |
|        | 2N-303375UL  | ELEM HEATING 240V 1650W           |              | M300 T-STAT & DIGITAL, 240V,    |  |
|        | 2N-300706UL  | ELEM 240V 1650W 12 X 27           |              | M327                            |  |
|        | WS-55707     | COVER ELEM MOD WARMER             | _            | INFINITE UNITS                  |  |
|        |              |                                   | 3            | M300, T-STAT & DIGITAL          |  |
|        | WS-503842    | KIT ELEM PAN W/O ELEMENT          | 2            | M300, NARROW, OUTSIDE           |  |
| 33     | WS-WL0332    | KIT ELEM PAN W/O ELEMENT / INSIDE | 1            | M300, NARROW, INSIDE            |  |
|        | WS-503370    | PAN, ELEMENT MODS                 | 2            |                                 |  |
|        | 67-307041    | ASSY-MID-ELEM PAN M300TN          | 1            | M300 NARROW                     |  |
|        | WS-503841    | KIT ELEM PAN W/O ELEMENT          | 3            | M327                            |  |
| 34     | D8-303352    | BRKT THERMO BULB                  | 3            | THERMOSTAT UNITS                |  |
| 35     | P2-WL0081    | PAN ELEM ASSY MOD200-500          | 3            | INFINITE 240V                   |  |
| 36     | WS-50374     | THERMO, HI-LIMIT, SFTY, 550F      | 3            | INFINITE UNITS                  |  |
| NI     | 2C-30397     | CLIP ELEM WRMRS SML               | 18           | VARIOUS OLDER UNITS             |  |

# PARTS LIST: M400-427 SERIES

### Model: Modular Warmers M400-427T, TD, TDM, TDMAF, M400-427E, CE, ED, EDM, EDMAF

|        | Model: Mo   | dular Warmers M400-427T,        | TD, TDM, TD | MAF, M400-427E, CE, ED, EDM, EDMAF                |
|--------|-------------|---------------------------------|-------------|---|
| Fig No | Part No     | Description                     | Qty         | Application                                       |
| 1      | P2-31869    | SCREEN DRAIN ASSY WARMER        | 4           | DRAIN UNITS                                       |
|        | P2-Z14636   | PAN ASSY 12X20 EAF W/TEE        |             | M400 DIGITAL                                      |
| 2      | P2-Z14647   | PAN ASSY 12X27 EAF              | 1           | M427 DIGITAL                                      |
| 2      | WS-503893   | PAN ASSY 200-500TDM A/F         | I           | M400 T-STAT & INFINITE                            |
|        | WS-504101   | PAN ASSY 12X27 AF               |             | M427 T-STAT                                       |
|        | P2-Z14639   | PAN ASSY 12X20 E                |             | M400 DIGITAL                                      |
|        | P2-Z14637   | PAN ASSY 12X20 ED w/DRAIN       | 4           | M400 DIGITAL DRAIN                                |
|        | P2-Z14638   | PAN ASSY 12X20 EDM              |             | M400 DIGITAL DRAIN, MANIFOLD                      |
|        | F Z-Z 14030 |                                 | 3           | M400 DIGITAL DRAIN, MANIFOLD, AUTOFILL            |
|        | P2-Z14646   | PAN ASSY 12X27 EDM              | 4           | M427 DIGITAL, DRAIN, MANIFOLD                     |
| 3      | 1 2-2 14040 |                                 | 3           | M427 DIGITAL, DRAIN, MANIFOLD AUTOFILL            |
| 5      | WS-55741    | PAN W/O DRAIN 200-500 / T       |             | M400 T-STAT & INFINITE                            |
|        | WS-53201    | PAN W/DRAIN 200-500 /TD         | 4           | M400 T-STAT & INFINITE, DRAIN                     |
|        | WS-55742    | PAN W/DRAIN 200-500DM/TDM       |             | M400 T-STAT & INFINITE, DRAIN, MANIFOLD           |
|        | WS-5574Z    |                                 | 3           | M400 T-STAT & INFINITE, DRAIN, MANIFOLD, AUTOFILL |
|        | WS-500700   | PAN ASSY 12X27 TDM              | 4           | M427 T-STAT, DRAIN, MANIFOLD                      |
|        | W3-300700   |                                 | 3           | M427 T-STAT, DRAIN, MANIFOLD, AUTOFILL            |
| 4      | 2V-35609    | VALVE 1 IN GATE BRONZE          | 1           | MANIFOLD UNITS                                    |
| 5      | WS-503713   | PROBE ASSY, SS AUTOFILL<br>WRMR | 1           | AUTOFILL UNITS                                    |
| 6      | 2K-48198    | ELBOW 3/8 X 90DEG BRASS         | 1           | AUTOFILL UNITS                                    |
| 7      | 2K-48197    | NIPPLE 3/8 NPT X 2 BRASS        | 1           | AUTOFILL UNITS                                    |
| 8      | 2V-47650    | VALVE ANTISYPHON 3/8            | 1           | AUTOFILL UNITS                                    |
| 9      | 2K-47662    | FTG STR BRS 3/8NPT X3/8IN       | 1           | AUTOFILL UNITS                                    |
| 10     | 2C-46591    | CLAMP HOSE 5/8                  | 2           | AUTOFILL UNITS                                    |
| 11     | 2K-31040    | BUSHING HEYCO 7/8 OD            | 1           | THERMOSTAT UNITS                                  |
| 12     | WS-50131    | TERM BLOCK KIT (RETRO<br>30131) | 1           | INFINITE & AUTOFILL UNITS                         |
| 13     | 2C-41974    | NUT 8-32 HEX 7/8 LONG ALU       | 2           | AUTOFILL UNITS                                    |
| 14     | 2J-30385    | LIGHT SIGNAL GLO DOT RED        | 2           | INFINITE UNITS                                    |
| 14     | 2J-35687    | LIGHT SIGNAL GLO DOT            | ۷           | T-STAT UNITS                                      |
|        | P2-Z12288   | PANEL, CONTROL, (SPLIT)         | 1           | MOD400TDMAF, MOD400TDMAF6, MOD427TDMAF            |
| 15     | P2-Z12589   | PANEL, CONTROL, (SPLIT)         | 1           |   |
| IJ     | P2-Z12591   | PANEL, CONTROL MOD 400          | 1 IN        | INFINITE UNITS NON-AF                             |
|        | P2-Z12584   | PANEL, CONTROL MOD400TDM        | 1           | M400-427, T-STAT, DRAIN, MANIFOLD, AUTOFILL       |
|        | P2-48290    | BOX OUTLET MOD400 DM TDM        |             | M400-427, T-STAT, DRAIN, MANIFOLD                 |
|        | E7-49046    | BOX OUTLET MOD (SPLIT)          |             | MOD400TDMAF, MOD400TDMAF6, MOD427TDMAF            |
| 16     | P2-48175    | BOX OUTLET MOD (SPLIT)          | 1           |   |
|        | P2-46685    | BOX OUTLET MOD 400              |             | M400 INFINITE, DRAIN, MANIFOLD                    |
|        | P2-48178    | BOX, CONTROL AF                 |             | MOD400TDMAF1, MOD400TDMAFS, MOD427TDMAF1          |
|        |             |                                 |             |   |

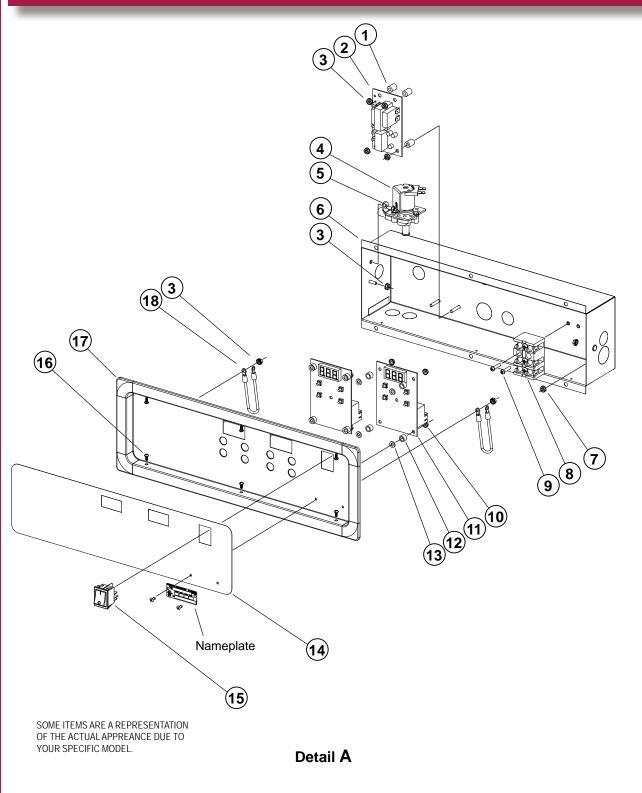
# PARTS LIST: M400-427 SERIES

| Fig No | Part No     | Description                  | Qty            | Application                                |
|--------|-------------|------------------------------|----------------|--|
| IY NU  | 2T-38968    | THERMO K TYPE                |                | T-STAT UNITS                               |
|        | 2T-46551    | THERMO CTRL 96IN CAP         |                | T-STAT UNITS W/ 96IN CAPILLARY             |
|        |             | THERMO CTRL WAUX             | 4              |  |
| 17     | 2T-45917    | WARMERS                      |                | T-STAT UNITS, AUTOFILL                     |
|        | 2E-30570    | SWITCH INFINITE, 120V        | 4              | INFINITE UNITS, 120V                       |
|        | 2E-30562    | SWITCH INFINITE, 240V        | 4              | INFINITE UNITS, 240V                       |
| 18     | 2R-44373    | KNOB CONTROL ASSY<br>WARMERS | 4              | INFINITE UNITS                             |
|        | 2R-40498    | KNOB ASSY MOD 100DT          |                | T-STAT UNITS                               |
| 20     | 2E-46529    | SOLENOID VALVE 1/4NPT 240    | 1              | AUTOFILL UNITS                             |
|        | P2-40843    | BRKT MTG THERMO INFINITE     | 2              | T-STAT (SPLIT CONTROL)                     |
| 21     | P2-48176    | BRKT THERO MOD200TDM AUT     | 1              | MOD400TDMAF(6), MOD427TDMAF                |
|        | P2-48285    | BRKT THERMO MOD400           | 1              | M400-427 T-STAT, DRAIN, MANIFOLD, AUTOFILL |
| 22     | 2E-306865   | CONTROL LIQ LEVEL 208/240    | 1              | AUTOFILL UNITS                             |
| 23     | 2I-40034    | GROMMET SCREW T4             | 4              | AUTOFILL UNITS                             |
| 24     | 2K-33996X   | FTG FLEX CONDUIT 90X3/8      | 2              |  |
| 25     | 2I-Z12311   | GASKET-FIBER WASHER          | 2              |  |
| 26     | P2-300712   | COVER BOT M227-427TDM/AM     | 2              | M427E, MOD427TDM (AF)                      |
| 20     | P2-35004    | COVER BOTTOM 200 SERIES      | 2              | M400                                       |
| 27     | P2-303359   | SHROUD SIDE MODS ROHS        | 2              | M400                                       |
|        | P2-Z14627   | SHROUD, FRONT M4             |                | M400, 427, DIGITAL                         |
| 28     | P2-48192    | SHROUD REAR MOD 420 427      | 1              | M400                                       |
|        | P2-303358   | SHROUD FRONT MOD 400 427     |                | M400 INFINITE & T-STAT                     |
| 29     | 2H-36050    | INSUL FG .6 MICRO 1/36       | SOLD BY FOOT   |  |
| 30     | 2H-36196    | INSUL FG .6 MICRO 1X45       | SOLD BY FOOT   |  |
|        | P2-WL0082   | PAN ELEM ASSY                |                | M400 DIGITAL                               |
| 31     | P2-WL0096   | PAN ELEM ASSY MOD 227-527    | 4              | M427 DIGITAL                               |
| 51     | WS-503843   | KIT PAN ELEM W/ELEM 208/240  | , <sup>,</sup> | M400 T-STAT                                |
|        | WS-503840   | KIT ELEM PAN W/ELEMENT       |                | M427 T-STAT                                |
|        | WS-50398    | ELEM 240V 1200W M P          |                | M400 INFINITE, 240V                        |
| 32     | 2N-303375UL | ELEM HEATING 240V 1650W      | 4              | M400 T-STAT, 240V                          |
|        | 2N-300706UL | ELEM 240V 1650W 12 X 27      |                | M427                                       |
|        | WS-55707    | COVER ELEM MOD WARMER        |                | M400, INFINITE UNITS                       |
| 33     | WS-503842   | KIT ELEM PAN W/O ELEMENT     | 4              | M400, T-STAT & DIGITAL                     |
|        | WS-503841   | KIT ELEM PAN W/O ELEMENT     |                | M427                                       |
| 34     | D8-303352   | BRKT THERMO BULB             | 4              | THERMOSTAT UNITS                           |
| 35     | P2-WL0081   | PAN ELEM ASSY MOD200-500     | 4              | INFINITE 240V                              |
| 36     | WS-50374    | THERMO, HI-LIMIT, SFTY, 550F | 4              | INFINITE UNITS                             |
| NI     | 2C-30397    | CLIP ELEM WRMRS SML          | 36             | VARIOUS OLDER UNITS                        |

| PARTS LIST: M500-527 SERIES   |           |                                  |     |   |
|---|-----------|----------------------------------|-----|---|
| Model: Modular Warmers M500-527T, TD, TDM, TDMAF, M500-527E, CE, ED, EDM, EDMAF |           |                                  |     |   |
| Fig No  | Part No   | Description                      | Qty | Application                                       |
| 1   | P2-31869  | SCREEN DRAIN ASSY WARMER         | 5   | DRAIN UNITS                                       |
|   | P2-Z14636 | PAN ASSY 12X20 EAF W/TEE         | 1   | M500 DIGITAL                                      |
|   | P2-Z14647 | PAN ASSY 12X27 EAF               |     | M527 DIGITAL                                      |
| 2   | WS-503893 | PAN ASSY 200-500TDM A/F          |     | M500 T-STAT & INFINITE                            |
|   | WS-504101 | PAN ASSY 12X27 AF                |     | M527 T-STAT                                       |
|   | P2-Z14639 | PAN ASSY 12X20 E                 |     | M500 DIGITAL                                      |
|   | P2-Z14637 | PAN ASSY 12X20 ED w/DRAIN        | -   | M500 DIGITAL DRAIN                                |
|   | D0 714/00 |                                  |     | M500 DIGITAL DRAIN, MANIFOLD                      |
|   | P2-Z14638 | PAN ASSY 12X20 EDM               | 4   | M500 DIGITAL DRAIN, MANIFOLD, AUTOFILL            |
|   | P2-Z14646 | PAN ASSY 12X27 EDM               | 5   | M527 DIGITAL, DRAIN, MANIFOLD                     |
| 2   | PZ-Z14040 | PAINASSY IZAZI EDIVI             | 4   | M527 DIGITAL, DRAIN, MANIFOLD AUTOFILL            |
| 3   | WS-55741  | PAN W/O DRAIN 200-500 / T        |     | M500 T-STAT & INFINITE                            |
|   | WS-53201  | PAN W/DRAIN 200-500 /TD          | 5   | M500 T-STAT & INFINITE, DRAIN                     |
|   | WS-55742  | PAN W/DRAIN 200-500DM/TDM        |     | M500 T-STAT & INFINITE, DRAIN, MANIFOLD           |
|   | WS-0074Z  | PAIN W/DRAIN 200-300DIVI/ I DIVI | 4   | M500 T-STAT & INFINITE, DRAIN, MANIFOLD, AUTOFILL |
|   | WS-500700 | PAN ASSY 12X27 TDM               | 5   | M527 T-STAT, DRAIN, MANIFOLD                      |
|   | W3-500700 | FAIN ASST 12A27 TDIVI            | 4   | M527 T-STAT, DRAIN, MANIFOLD, AUTOFILL            |
| 4   | 2V-35609  | VALVE 1 IN GATE BRONZE           | 1   | MANIFOLD UNITS                                    |
| 5   | WS-503713 | PROBE ASSY, SS AUTOFILL          | 1   | AUTOFILL UNITS                                    |
| 6   | 2K-48198  | ELBOW 3/8 X 90DEG BRASS          | 1   | AUTOFILL UNITS                                    |
| 7   | 2K-48197  | NIPPLE 3/8 NPT X 2 BRASS         | 1   | AUTOFILL UNITS                                    |
| 8   | 2V-47650  | VALVE ANTISYPHON 3/8             | 1   | AUTOFILL UNITS                                    |
| 9   | 2K-47662  | FTG STR BRS 3/8NPT X3/8IN        | 1   | AUTOFILL UNITS                                    |
| 10  | 2C-46591  | CLAMP HOSE 5/8                   | 2   | AUTOFILL UNITS                                    |
| 11  | 2K-31040  | BUSHING HEYCO 7/8 OD             | 1   | THERMOSTAT UNITS                                  |
| 12  | WS-50131  | TERM BLOCK KIT (RETRO 30131)     | 1   | INFINITE & AUTOFILL UNITS                         |
| 13  | 2C-41974  | NUT 8-32 HEX 7/8 LONG ALU        | 2   | AUTOFILL UNITS                                    |
| 14  | 2J-30385  | LIGHT SIGNAL GLO DOT RED         | 2   | INFINITE UNITS                                    |
|   | 2J-35687  | LIGHT SIGNAL GLO DOT             |     | T-STAT UNITS                                      |
|   | P2-Z12594 | PANEL, CONTROL MOD500 TDM        |     | M500-527, T-STAT                                  |
| 15  | P2-Z12288 | PNL, CNTRL/MOD                   | 1   | MOD500TDMFA(6), MOD527TDMAF(6) (SPLTI)            |
|   | P2-Z12588 | PANEL, CONTROL MOD TDM           |     | MOD500TDMFA(6), MOD527TDMAF(6) (SPLTI)            |
|   | P2-Z12590 | PANEL, CONTROL MOD500            |     | M500, INFINITE UNITS                              |
|   | P2-48290  | BOX OUTLET MOD400 DM TDM         | 1   | M500-527, T-STAT                                  |
| 16  | E7-49046  | BOX OUTLET MOD WAR               |     | MOD500TDMFA(6), MOD527TDMAF(6) (SPLTI)            |
|   | P2-48178  | BOX CONTROL MOD AF               |     | MOD500TDMFA(6), MOD527TDMAF(6) (SPLTI)            |
|   | P2-46685  | BOX OUTLET MOD 500               |     | M500, INFINITE UNITS                              |
|   | 2T-38968  |                                  | _   | T-STAT UNITS                                      |
| 17  | 2T-46551  | THERMO CTRL 96IN CAP             | 5   | T-STAT UNITS w/ 96IN CAPILLARY                    |
|   | 2T-45917  | THERMO CTRL W/AUX WARMRS         |     | T-STAT UNITS, AUTOFILL                            |
|   | 2E-30570  | SWITCH INFINITE, 120V            | 5   |   |
|   | 2E-30562  | SWITCH INFINITE, 240V            |     | INFINITE UNITS, 240V                              |

| PARTS LIST: M500-527 SERIES   |             |                               |              |  |  |
|---|-------------|-------------------------------|--------------|--|--|
| Model: Modular Warmers M500-527T, TD, TDM, TDMAF, M500-527E, CE, ED, EDM, EDMAF |             |                               |              |  |  |
| Fig No  | Part No     | Description                   | Qty          | Application                            |  |
| 18  | 2R-44373    | KNOB CONTROL ASSY<br>WARMERS  | 5            | INFINITE UNITS                         |  |
|   | 2R-40498    | KNOB ASSY MOD 100DT           |              | T-STAT UNITS                           |  |
| 20  | 2E-46529    | SOLENOID VALVE 1/4NPT 240     | 1            | AUTOFILL UNITS                         |  |
|   | P2-48285    | BRKT THERMO MOD400            | 1            | M500-527, T-STAT                       |  |
| 21  | P2-40843    | BRKT MTG THERMO INFINITE      | 2            | MOD500TDMFA(6), MOD527TDMAF(6) (SPLTI) |  |
| 21  | P2-47863    | BRKT THERMO MOD               | 1            | MOD500TDMFA(6), MOD527TDMAF(6) (SPLTI) |  |
|   | P2-37809    | BRKT CONT MTG MOD             | 1            | M500 INFINITE                          |  |
| 22  | 2E-306865   | CONTROL LIQ LEVEL 208/240     | 1            | AUTOFILL UNITS                         |  |
| 23  | 21-40034    | GROMMET SCREW T4              | 4            | AUTOFILL UNITS                         |  |
| 24  | 2K-33996X   | FTG FLEX CONDUIT 90X3/8       | 2            |  |  |
| 25  | 2I-Z12311   | GASKET-FIBER WASHER           | 2            |  |  |
|   | P2-35004    | COVER BOTTOM 200 SERIES       |              |  |  |
| 26  | P2-307110   | COVER BOTTOM MOD300<br>SERIES | 1            | M500                                   |  |
|   | P2-300712   | COVER BOT MOD227/427TDM/A     |              | M527                                   |  |
|   | P2-300704   | COVER BOT MOD327/527TDM/A     |              | 10127                                  |  |
| 27  | P2-303359   | SHROUD SIDE MODS ROHS         | 2            | M500                                   |  |
|   | P2-Z14627   | SHROUD, FRONT M4              |              | M500, 427, DIGITAL                     |  |
| 28  | P2-48191    | SHROUD REAR MOD 500 527       | 1            | M500                                   |  |
|   | P2-303376   | SHROUD FRONT MOD 500 527T     |              | M500 INFINITE & T-STAT                 |  |
| 29  | 2H-36050    | INSUL FG .6 MICRO 1/36        | SOLD BY FOOT |  |  |
| 30  | 2H-36196    | INSUL FG .6 MICRO 1X45        | SOLD BY FOOT |  |  |
|   | P2-WL0082   | PAN ELEM ASSY                 |              | M500 DIGITAL                           |  |
| 31  | P2-WL0096   | PAN ELEM ASSY MOD 227-527     | 5            | M527 DIGITAL                           |  |
| 51  | WS-503843   | KIT PAN ELEM W/ELEM 208/240   |              | M500 T-STAT                            |  |
|   | WS-503840   | KIT ELEM PAN W/ELEMENT        |              | M527 T-STAT                            |  |
|   | WS-50398    | ELEM 240V 1200W M P           | 5            | M500 INFINITE, 240V                    |  |
| 32  | 2N-303375UL | ELEM HEATING 240V 1650W       |              | M500 T-STAT, 240V                      |  |
|   | 2N-300706UL | ELEM 240V 1650W 12 X 27       |              | M527                                   |  |
|   | WS-55707    | COVER ELEM MOD WARMER         | 5            | M500, INFINITE UNITS                   |  |
| 33  | WS-503842   | KIT ELEM PAN W/O ELEMENT      |              | M500, T-STAT & DIGITAL                 |  |
|   | WS-503841   | KIT ELEM PAN W/O ELEMENT      |              | M527                                   |  |
| 34  | D8-303352   | BRKT THERMO BULB              | 4            | THERMOSTAT UNITS                       |  |
| 35  | P2-WL0081   | PAN ELEM ASSY MOD200-500      | 4            | INFINITE 240V                          |  |
| 36  | WS-50374    | THERMO, HI-LIMIT, SFTY, 550F  | 4            | INFINITE UNITS                         |  |
| NI  | 2C-30397    | CLIP ELEM WRMRS SML           | 36           | VARIOUS OLDER UNITS                    |  |
| L   |             | 1                             |              | 1                                      |  |

# **EXPLODED VIEW: DETAIL A**



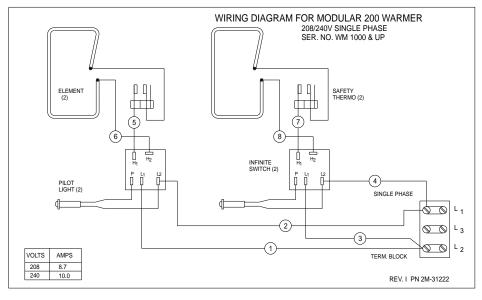
MODE - EAF Digital Control Fab Warmer

IL2523, Rev. -, 8/21/12

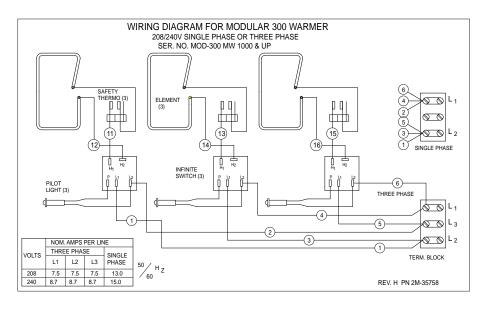
# PARTS LIST: DETAIL A

|        |             | Detail A: Digital Cont    | rol Box Assy   |
|--------|-------------|---------------------------|--|
| Fig No | Part No     | Description               | Application  |
| 1      | 2A-Z3429    | SPACER-NYLON .175X.375X.5 | AUTO-FILL  |
| 2      | 2E-306865   | CONTROL LIQ LEVEL 208/240 | AUTO-FILL  |
| 3      | 2C-31053    | NUT 8-32 KEPS MS NICKEL   |  |
| 4      | 2E-46529    | SOLENOID VALV 1/4NPT 240  | AUTO-FILL  |
| 5      | 2C-1493     | SCREW 8-32X3/8 RHP STL NP | AUTO-FILL  |
|        | P2-Z14490   | CONTROL BOX WELD - SMALL  | M200-227E  |
| 6      | P2-Z14497   | CONTROL BOX WELD - MEDIUM | M200-227EAF, M300-327E   |
|        | P2-Z14493   | CONTROL BOX WELD - LARGE  | M300-327EAF, M400/427E, M400/427EAF,<br>M500/527E, M500/527EAF |
| 7      | 2C-35736    | NUT 8-32 HEX KEPS MS GREE | ALL  |
| 8      | 2E-37465    | TERM BLOCK 3POLE 85AMP    | ALL  |
| 9      | 2C-1496     | SCREW 8-32X3/4 RHP STL NP | ALL  |
| 10     | 2C-Z2594    | NUT 6-32 HEX W STL NP     | ALL  |
|        | 2E-Z14534   | CONTROLLER, TEMP 230V     | AUTO-FILL  |
| 11     | 2E-Z14534-1 | THERMISTOR, 90"           |  |
|        | 2E-Z14534-2 | THERMISTOR, 126"          | 6' LEAD  |
| 12     | 2K-Z1971    | SPACER .257X.75X.25 NYLON | AUTO-FILL  |
| 13     | 2C-200110   | WASHER, #8 FLAT 18-8 SS   | ALL  |
|        | 2M-Z14495   | GRAPHIC M200/227EAF       | M200-227E  |
|        | 2M-Z14498   | GRAPHIC M200/227EAF       | M200-227EAF  |
| 14     | 2M-Z14499   | GRAPHIC M300/327E         | M300-327E  |
| 14     | 2M-Z14526   | GRAPHIC M300/327EAF       | M300-327EAF  |
|        | 2M-Z14527   | GRAPHIC M400/427E         | M400/427E, M400/427EAF   |
|        | 2M-Z14529   | GRAPHIC M500/527E         | M500/527E, M500/527EAF   |
| 15     | 2E-Z1858    | SWITCH-LIGHTED            | AUTO-FILL  |
| 16     | 2C-33935    | SCREW 6ABX5/16 PH PAN SMS | ALL  |
|        | P2-Z14494   | CONTROL PANEL M200/227E   | M200-227E  |
|        | P2-Z14496   | CONTROL PANEL M200/227EAF | M200-227EAF  |
| 17     | P2-Z14522   | CONTROL PANEL M300/327E   | M300-327E  |
|        | P2-Z14524   | CONTROL PANEL M300/327EAF | M300-327EAF  |
|        | P2-Z14525   | CONTROL PANEL M400/427E   | M400/427E, M400/427EAF   |
|        | P2-Z14492   | CONTROL PANEL M500/527E   | M500/527E, M500/527EAF   |
| 18     | 2E-130601   | WIRE ASSY 14GA GREEN 8"   | ALL  |
| NI     | 2K-34136X   | FTG FLEX CON 90 X 1/2 MOD | AUTO-FILL  |

# WIRING DIAGRAM: Infinite Control Units

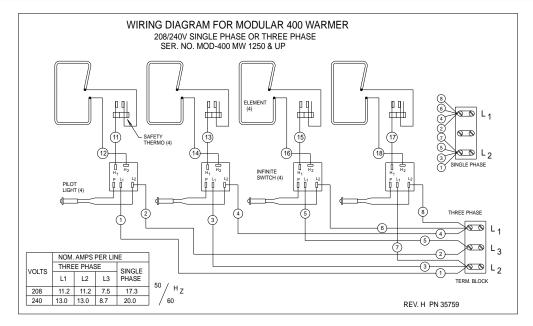


MOD200 & MOD227 Series

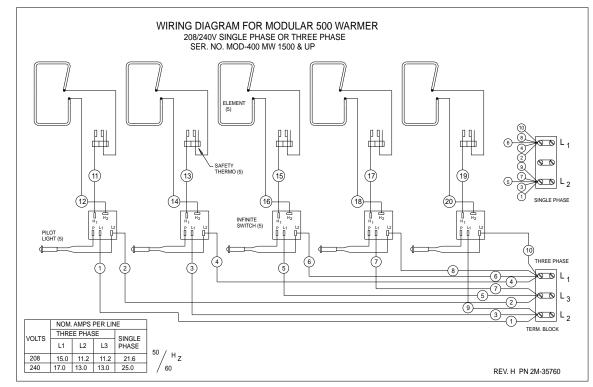


MOD300E & MOD327E Series

# WIRING DIAGRAM: Infinite Control Units

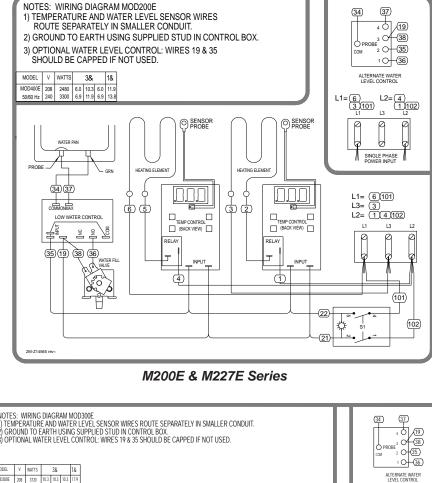


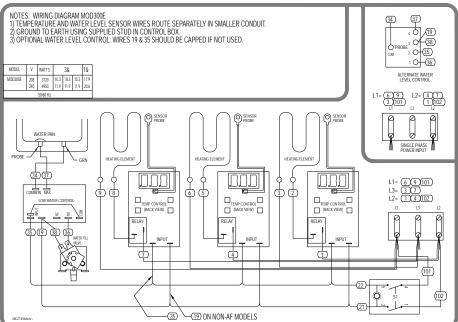
MOD400E & MOD427E Series



#### MOD500E & MOD527E Series

## WIRING DIAGRAM: Electronically Control Units

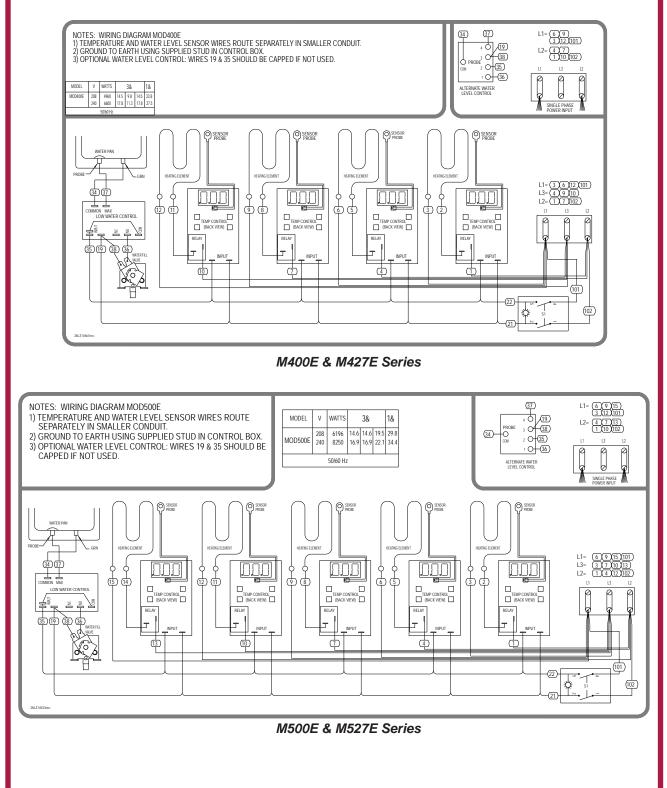


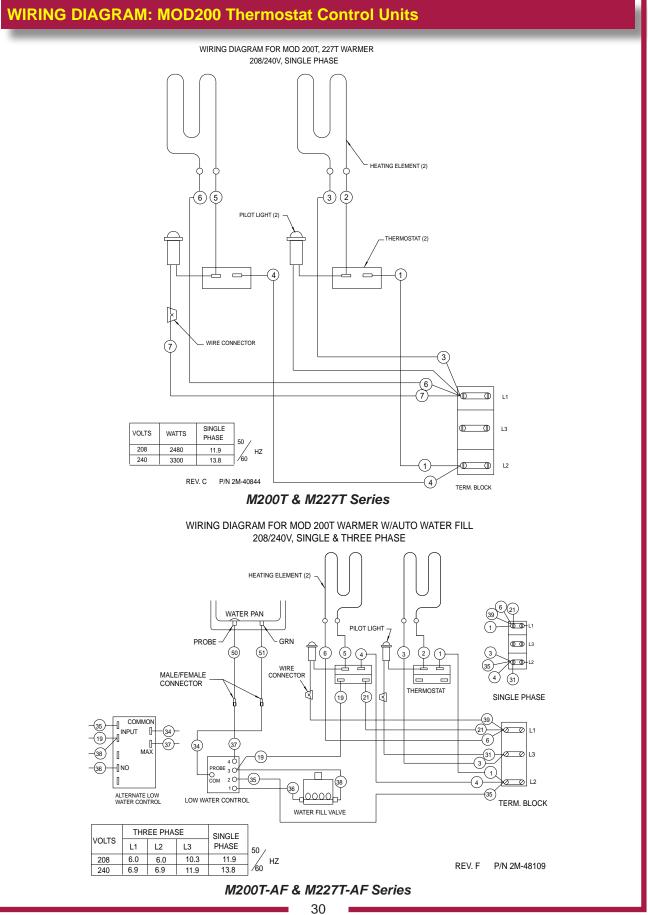




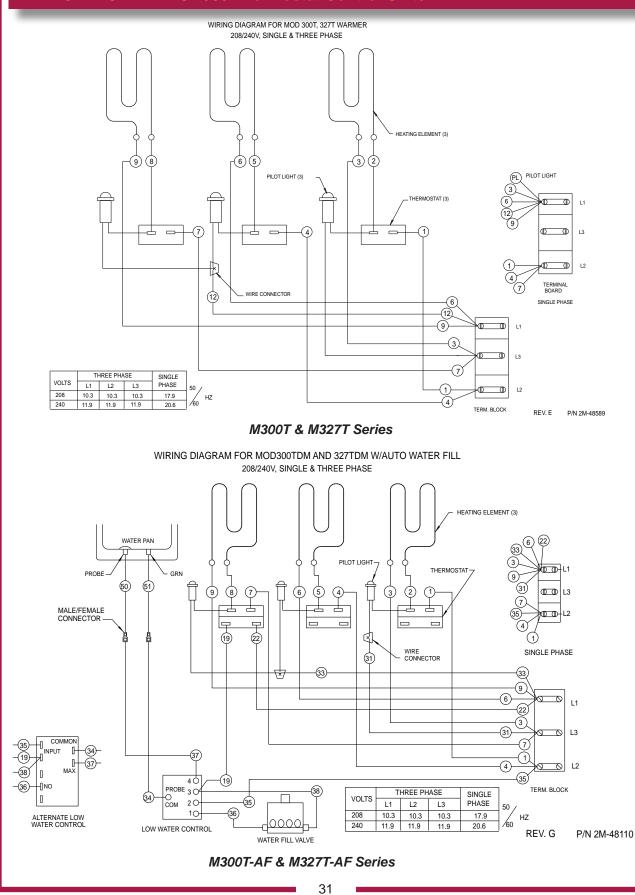
M300E & M327E Series

### WIRING DIAGRAM: Electronically Control Units

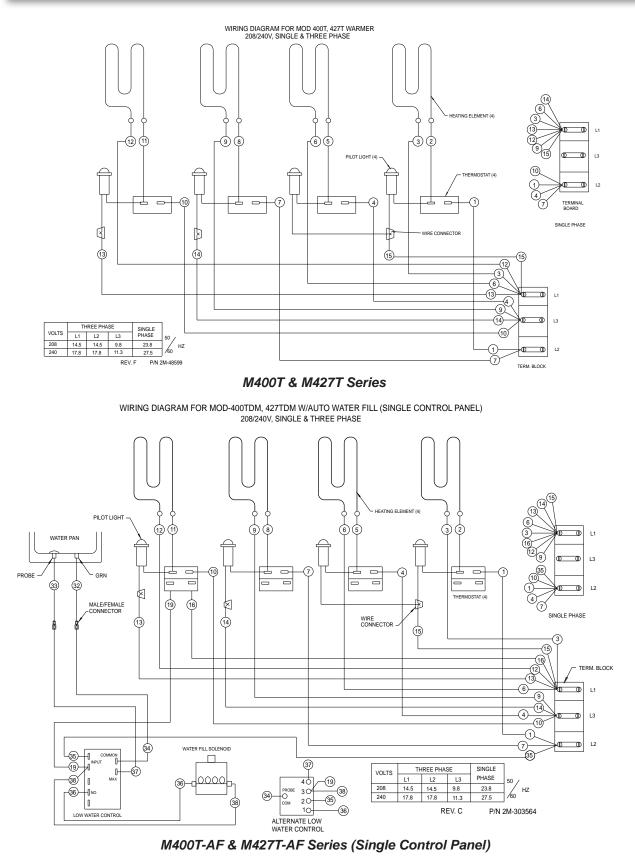




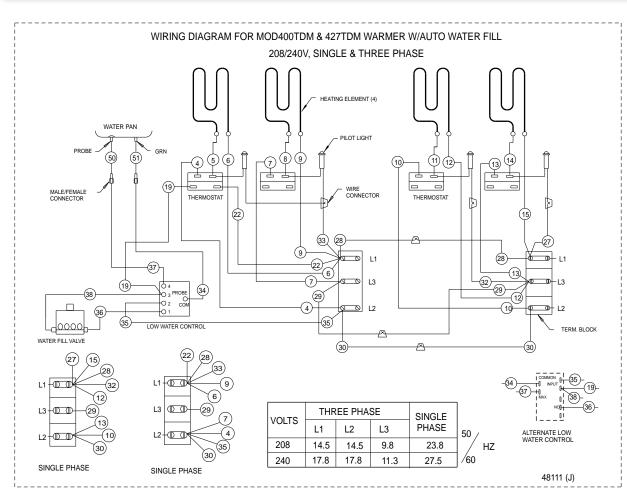
### WIRING DIAGRAM: MOD300 Thermostat Control Units



### WIRING DIAGRAM: MOD400 Thermostat Control Units



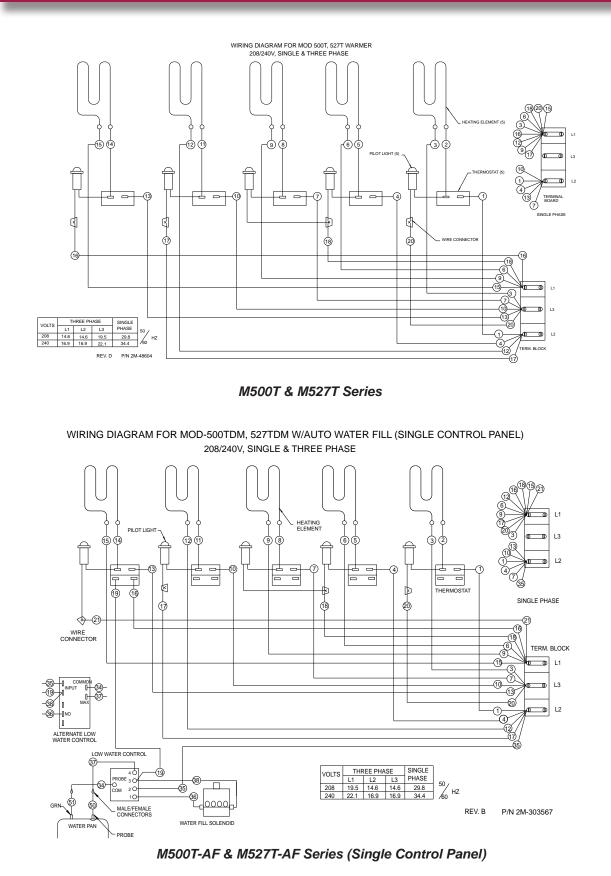
# WIRING DIAGRAM: MOD400 Thermostat Control Units



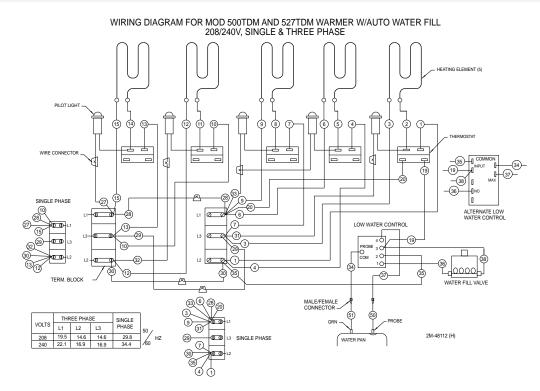
M400T-AF & M427T-AT Series (Dual Control Panel)

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### WIRING DIAGRAM: MOD500 Thermostat Control Units



## WIRING DIAGRAM: MOD500 Thermostat Control Units



M500T-AF & M527T-AT Series (Dual Control Panel)

| PARTS & SERVICE   |   |          |
|---|---|----------|
| Always use an inset.<br><b>DO NOT</b> place food directly | DESCRIPTION   | PART NO. |
| into the warmer pan.                                      | ADAPTERS & INSETS   |          |
|   | ADAPTER TOP, convert 12" x 20" warmer to hold two 7 qt. insets        | WS-21502 |
|   | ADAPTER TOP, convert 12" x 20" warmer to hold two 4 qt. and two 2½ qt | DD-21503 |
|   | ADAPTER TOP, convert 12" x 20" warmer to hold three 4 qt. insets      | DD-21616 |
|   | ADAPTER TOP, convert 12" x 20" warmer to hold one 7qt. and one 4 qt.  | DD-21618 |
|   | ADAPTER TOP, convert 12" x 20" warmer to hold four 21/2 qt. insets    | WS-21623 |
|   | ADAPTER TOP, convert 12" x 27" SMPT-27<br>to hold three 7 qt. insets  | DD-21503 |
|   | 4 QT. ROUND INSET w/ lid  | WS-20774 |
|   | 7 QT. ROUND INSET w/ lid  | WS-20587 |
|   | 11 QT. ROUND INSET w/ lid   | WS-20908 |
|   | 11 QT. ROUND INSET w/ hinged lid                                      | WS-21057 |

# PARTS & SERVICE

| DESCRIPTION   | PART NO.   | IMPORTANT: Use only factory  |  |
|---|--|--|--|
| ACCESSORIES   |  | authorized service parts and replacement filters.  |  |
| WELLSLOK EXTENSION KIT, for UL LISTED<br>circular warmers only, adapt to wood counter<br>up to 1¾" thick      | WS-22592*  | For factory authorized service,<br>or to order factory authorized<br>replacement parts, contact<br>your Wells authorized service |  |
| WELLSLOK EXTENSION KIT, for UL LISTED   |  | agency, or call:   |  |
| 12" x 20" warmers only, adapt to wood counter up to $1\frac{3}{4}$ " thick                                    | WS-22593*  | Wells Bloomfield, LLC<br>10 Sunnen Dr.   |  |
| *Wellslok Extension Kits for UL Listed units approved<br>installation in wood counter tops                    | St. Louis MO 63143 USA   |  |  |
| One well units require one kit / Two and three well un two kits / four and five well units require three kits | <b>Service Dept.</b><br>phone: (314) 678-6314<br>fax: (314) 781-2714 |  |  |
| DRAIN VALVE EXTENSION KIT, extension from<br>drain to counter front with remote handle, for use               |  | Convice Donte Department   |  |
| with "D" models only, excluding "DM" models   | WS-20385   | Service Parts Department<br>can supply you with the name<br>and telephone number of  |  |
| DRAIN SCREEN  | P2-31869   | the WELLS AUTHORIZED<br>SERVICE AGENCY nearest   |  |
| OPTIONAL 72" WIRING, thermostatically controlled v<br>** contact factory customer service for availability    | you.   |  |  |

# CUSTOMER SERVICE DATA please have this information available if calling for service

| RESTAURANT<br>INSTALLATION DATE  | <br>١ |
|--|-------|
| SERVICE COMPANY<br>ADDRESS<br>TELEPHONE NUMBER ()<br>EQUIPMENT MODEL NO. | _ZIP  |
| EQUIPMENT SERIAL NO<br>VOLTAGE: (check one) 120 208 240                  |       |
| L  |       |



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#### SERVICE TRAINING - QUALITY SERVICE





WELLS BLOOMFIELD, LLC 10 Sunnen Dr., St. Louis, MO 63143

telephone: 314-678-6314 fax: 314-781-2714 www.wellsbloomfield.com