ALTÓ SHAAM

OPERATION and CARE MANUAL



HOT FOOD DISPLAY CABINETS **MODELS: 600-LVD** 600-LVD/PT



HALØ HEAT. COOK/HOLD/SERVE SYSTEMS

PHONE: 262.251.3800 800.558.8744 U.S.A./CANADA

W164 N9221 Water Street • P.O. Box 450 • Menomonee Falls, Wisconsin 53052-0450 U.S.A. FAX: 262.251.7067 • 800.329.8744 U.S.A. ONLY 262.251.1907 INTERNATIONAL

WEBSITE: www.alto-shaam.com

ALTO-SHAAM. – HOT DISPLAY CABINETS

RECEIVING AND INSPECTION



The Alto-Shaam Holding Cabinet has been thoroughly tested, checked for calibration, and inspected to insure only the highest quality cabinet is provided. When you receive your unit, check for any possible shipping damage and report it at once to the delivering carrier.

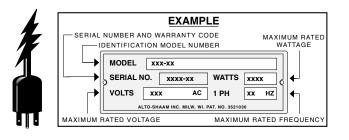
The cabinet, complete with unattached items and accessories, may be delivered in one or more packages. Check to ensure that all the following items have been received as standard with each unit.

12: CHROME PLATED WIRE SHELVES

Save all the information and instructions packed inside the cabinet. Complete and return the warranty card to the factory as soon as possible to assure prompt service in the event of a warranty parts and labor claim.

NOTE: All claims for warranty must include the full model number and serial number of the cabinet.

ELECTRICAL INSTALLATION



- 1. An identification tag is permanently mounted on the cabinet.
- 2. Position the unit so that the power supply cord is easily accessible in case of an emergency.
- 3. Plug the cabinet into a properly grounded receptacle ONLY. If necessary, a proper receptacle or outlet configuration, as required for this unit, must be installed by a licensed electrician in accordance with applicable, local electrical codes.

ENSURE POWER SOURCE MATCHES VOLTAGE STAMPED ON UNIT NAMEPLATE



HEATING CHARACTERISTICS

The cabinet is equipped with a special, low-heat-density, heating cable. Through the Halo Heat concept, the heating cable is mounted against the walls of the warming compartment to provide an evenly applied heat source controlled by a thermostat. The design and operational characteristics of the cabinet eliminates the need for a moisture pan or a heat circulating fan. Through even heat application, the quality of a food product is maintained up to several hours.

START-UP

Read all instructions in this manual thoroughly before use of this unit. Keep this manual in a safe and easily accessible area.

- In order to maintain standards established by the National Sanitation Foundation, all counter-mounted equipment must be secured flush to the counter and the entire base sealed to the counter with NSF approved sealant or equipped with 4" (102mm) legs to provide minimum unobstructed space beneath the unit. These legs are supplied with the unit. Warranty will become null and void if these directions are not followed.
- 2. Before operating the unit, clean both the interior and exterior of the cabinet with a clean, damp cloth and mild soap solution. Rinse carefully.
- 3. Clean and install the cabinet wire shelves.

CARE and CLEANING



The cleanliness and appearance of this equipment will contribute considerably to operating efficiency and savory, appetizing food. Good equipment that is kept clean works better and lasts longer.

CLEAN THE DISPLAY CABINET DAILY:

- 1. Disconnect the cabinet from the power source.
- 2. Remove all detachable items such as wire shelves. Clean these items separately.
- 3. Clean the interior metal surfaces of the cabinet with a clean, damp cloth and any good alkaline or alkaline chlorinated based commercial detergent or grease solvent at the recommended strength. Use a plastic scouring pad or oven cleaner for difficult areas. Avoid the use of abrasive cleaning compounds, chloride based cleaners, or cleaners containing quaternary salts. Rinse carefully to remove all residue and wipe dry.





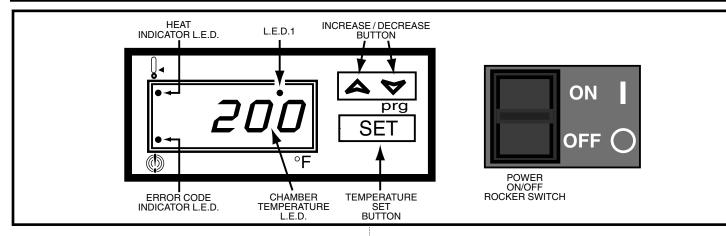
- <u>NOTE</u>: Never use hydrochloric acid (muriatic acid) on stainless steel.
- 4. To help maintain the protective film coating on polished stainless steel, clean the exterior of the cabinet with a cleaner recommended for stainless steel surfaces. Spray the cleaning agent on a clean cloth and wipe with the grain of the stainless steel.
- 5. Clean the glass with a window cleaner.

Always follow appropriate state or local health (hygiene) regulations regarding all applicable cleaning and sanitation requirements for equipment.



At no time should the inside or outside of the cabinet be washed down, flooded with water or liquid solution. NEVER STEAM CLEAN. Do not use water jet to clean. Severe damage or electrical hazard could result, voiding the warranty.

600-LVD • OPERATIONAL PROCEDURES Thermostat Control Description and Function



The L.E.D., Light Emitting Diode, referred to is an electronic device providing illumination.

The control has a three-digit L.E.D. display. When the warming cabinet is in operation, the L.E.D. will show the chamber's internal temperature. The display will also show programming and diagnostic information.



ON/OFF Rocker Switch

The Power On/Off Rocker Switch positions may be marked with the international "I" for On and "O" for Off.



UP/DOWN Arrow Rocker Button

The UP/DOWN arrow rocker button is used to increase or decrease the set-point temperature. The minimum set-point temperature is $90^{\circ}F(32^{\circ}C)$ while the maximum set-point temperature is $200^{\circ}F(93^{\circ}C)$.



SET Button

The SET button is used to display the current set-point temperature or program a new set-point temperature. Pushing the SET button once will display the set-point temperature value for five seconds. Holding the SET button allows the programming mode to become active.



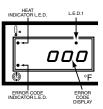
L.E.D. Display

The L.E.D. display will show the set-point temperature value when programming, or the warming chamber's temperature when calling for heat. When programming a new set-point temperature, the L.E.D.1 indicator with blink. When a new set-point temperature is chosen, the Chamber Temperature L.E.D. will flash three times to confirm.



HEAT INDICATOR L.E.D.

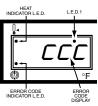
The Heat Indicator L.E.D. will illuminate and remain lit while the unit is calling for heat. It will go out when the air temperature inside the warming chamber reaches the set-point temperature on the control.



ERROR CODE DISPLAYS

Open-Circuited

If "DDD" is displayed in the Error Code L.E.D., the sensor is open-circuited. Follow Trouble Shooting Guide instructions in this Operation and Care Manual.



Short-Circuited

If "*CCC*" is displayed in the Error Code L.E.D., the sensor is short-circuited. Follow Trouble Shooting Guide instructions in this Operation and Care Manual.



ERROR CODE INDICATOR L.E.D.

If either of the above mentioned errors codes should occur, the Error Code Indicator L.E.D. will be illuminated and remain so until error is cleared.

#824 Operation & Care Manual • 2.

600-LVD • OPERATIONAL PROCEDURES **Programming and Operating Thermostat Control**



Turn Power On

• Press the "ON" or "I" position of the rocker switch to turn on control.

CHANGE SET-POINT TEMPERATURE



Press and hold the SET button for at least 3 seconds. After L.E.D.1 indicator blinks, release the Set Button. The control is now in the programming mode. **Press and hold** the UP or

DOWN arrow rocker button to change the value

shown in the display. Store the value by pressing the SET button.

L.E.D.1

The new set-point value will flash three times to confirm.

INDICATOR L.E.D. HEAT INDICATOR L.E.D.

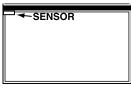
The Heat Indicator L.E.D. will illuminate as the warming chamber calls for heat. It will extinguish when the warming chamber's interior temperature reaches the set-point.

PREHEATING THE UNIT

Always preheat the unit at 200°F (93°C) for 30 minutes before loading the merchandiser with hot food.

LOADING THE CABINET

Load the merchandiser with *hot food only*. The purpose of this unit is to maintain hot food at proper serving temperature. Use a food thermometer to make certain all food has reached



an internal temperature range of 140° to 160° F (60° to 71° C). Do not fill cabinet closer than 2" from the sensor. Make certain door is securely closed after loading. Reset the control to 160° F (71° C). **This will not**

necessarily be the final setting. Proper temperature range for the food being held will depend on the type and quantity of product. It is advisable to periodically check the internal temperature of each item to assure maintenance of proper food serving temperature.

CAUTION



The unit should be unplugged and a qualified service technician should be consulted if any of the following situations occur:



• The Heat Indicator L.E.D. does not illuminate after normal start-up.

- The warming cabinet does not hold the temperature as set.
- The warming cabinet fails to heat with the L.E.D. illuminated.
- The cabinet heats continuously with the control "OFF".
- Refer to Trouble Shooting Guide in this manual.

ELECTRONIC CONTROL ACCURACY

The electronic control is a precise instrument and is designed to offer trouble-free service. If you suspect the temperature inside the warming cabinet does not match the temperature indicated on the digital display, after stabilizing, follow the instructions listed below.

- 1. Make certain the power meets the requirements of the appliance, voltage and current rating as indicated on identification tag.
- 2. Verify the temperature inside the warming cabinet with a quality thermal indicator.
 - A. With the exception of the metal shelves, completely empty the warming cabinet.
 - B. Make certain the sensor, located inside the warming cabinet at the ceiling, is completely clean.
 - C. Suspend the thermal indicator in the center of the warming cabinet.
 - D. Allow the temperature, set on the electronic thermostat, to stabilize for a minimum of one hour before comparing the digital display with the reading on the thermal indicator.

DO NOT OPEN THE CABINET DOOR(S) DURING THE TEMPERATURE STABILIZATION PERIOD.

If the reading on the thermal indicator does not match the digital display within 10° F (6°C), contact a qualified service technician for appropriate action.

HOLDING GUIDELINE

Chefs, cooks and other specialized food service personnel employ varied methods of cooking. Proper holding temperatures for a specific food product must be based on the moisture content of the product, product density, volume, and proper serving temperatures. Safe holding temperatures must also be correlated with palatability in determining the length of holding time for a specific product.

Halo Heat maintains the maximum amount of product moisture content without the addition of water, water vapor, or steam. Maintaining maximum natural product moisture preserves the natural flavor of the product and provides a more genuine taste. In addition to product moisture retention, the gentle properties of Halo Heat maintain a consistent temperature throughout the cabinet without the necessity of a heat distribution fan, thereby preventing further moisture loss due to evaporation or dehydration.

In an enclosed holding environment, too much moisture content is a condition which can be relieved. A product achieving extremely high temperatures in preparation must be allowed to decrease in temperature before being placed in a controlled holding atmosphere. If the product is not allowed to decrease in temperature, excessive condensation will form increasing the moisture content on the outside of the product.

HOLDING TEMP				
MEAT	FAHRENHEIT	CELSIUS		
BEEF ROAST — Rare	140°F	60°C		
BEEF ROAST - Med/Well Done	160°F	71°C		
BEEF BRISKET	160° — 175°F	71° — 79°C		
CORN BEEF	160° — 175°F	71° — 79°C		
PASTRAMI	160° — 175°F	71° — 79°C		
PRIME RIB — Rare	140°F	60°C		
STEAKS — Broiled/Fried	140° — 160°F	60° — 71°C		
RIBS — Beef or Pork	160°F	71°C		
VEAL	160° — 175°F	71° — 79°C		
HAM	160° — 175°F	71° — 79°C		
PORK	160° — 175°F	71° — 79°C		
LAMB	160° — 175°F	71° — 79°C		
POULTRY				
CHICKEN — Fried/Baked	160° — 175°F	71° — 79°C		
DUCK	160° — 175°F	71° — 79°C		
TURKEY	160° — 175°F	71° — 79°C		
GENERAL	160° — 175°F	71° — 79°C		
FISH/SEAFOOD				
FISH — Baked/Fried	160° — 175°F	71° — 79°C		
LOBSTER	160° — 175°F	71° — 79°C		
SHRIMP — Fried	160° — 175°F	71° — 79°C		
BAKED GOODS				
BREADS/ROLLS	120° — 140°F	49° — 60°C		
MISCELLANEOUS				
CASSEROLES	160° — 175°F	71° — 79°C		
DOUGH — Proofing	80° — 100°F	27° — 38°C		
EGGS —Fried	150° — 160°F	66° — 71°C		
FROZEN ENTREES	160° — 175°F	71° — 79°C		
HORS D'OEUVRES	160° — 180°F	71° — 82°C		
PASTA	160° — 180°F	71° — 82°C		
PIZZA	160° — 180°F	71° — 82°C		
POTATOES	180°F	82°C		
PLATED MEALS	180°F	82°C		
SAUCES	140° — 200°F	60° — 93°C		
SOUP	140° — 200°F	60° — 93°C		
VEGETABLES	160° — 175°F	71° — 79°C		
THE HOLDING TEMPERATURES LISTED ARE SUGGESTED GUIDELINES ONLY				

SANITATION GUIDELINE

Food flavor and aroma are usually so closely related that it is difficult, if not impossible, to separate them. There is also an important, inseparable relationship between cleanliness and food flavor. Cleanliness, top operating efficiency, and appearance of equipment contribute considerably to savory, appetizing foods. Good equipment that is kept clean, works better and lasts longer.

Most food imparts its own particular aroma and many foods also absorb existing odors. Unfortunately, during this absorption, there is no distinction between *GOOD* and *BAD* odors. The majority of objectionable flavors and odors troubling food service operations are caused by bacteria growth. Sourness, rancidity, mustiness, stale or other *OFF* flavors are usually the result of germ activity.

The easiest way to insure full, natural food flavor is through comprehensive cleanliness. This means good control of both visible soil (dirt) and invisible soil (germs). A thorough approach to sanitation will provide essential cleanliness. It will assure an attractive appearance of equipment, along with maximum efficiency and utility. More importantly, a good sanitation program provides one of the key elements in the prevention of food-borne illnesses.

A controlled holding environment for prepared foods is just one of the important factors involved in the prevention of food-borne illnesses. Temperature monitoring and control during receiving, storage, preparation, and the service of foods are of equal importance.

The most accurate method of measuring safe temperatures of both hot and cold foods is by internal product temperature. A quality thermometer is an

effective tool for this purpose, and should be routinely used on all products that require holding at a specific temperature. A comprehensive sanitation program should focus on the training of staff in basic sanitation

INTERNAL FOC	DD PRODUCT T	EMPERATURES
H	IOT FOOD	S
DANGER ZONE	40° TO 140°F	(4° TO 60°C)
CRITICAL ZONE70°	TO 120°F(21° TO 4	49°C)
SAFE ZONE	140° TO 165°F	(60° TO 74°C)
С	OLD FOOD	S
DANGER ZONE	ABOVE 40°F	(ABOVE 4°C)
SAFE ZONE	36°F TO 40°F	(2°C TO 4°C)
FR	OZEN FOO	DS
DANGER ZONE	ABOVE 32°F	(ABOVE 0°C)
CRITICAL ZONE0°	ГО 32°F(-18° ТО 0°С	2)
SAFE ZONE	0°F or below	(-18°C or below)

procedures. This includes personal hygiene, proper handling of raw foods, cooking to a safe internal product temperature, and the routine monitoring of internal temperatures from receiving through service.

Most food-borne illnesses can be prevented through proper temperature control and a comprehensive program of sanitation. Both these factors are important to build quality service as the foundation of customer satisfaction. Safe food handling practices to prevent foodborne illness is of critical importance to the health and safety of your customers. HACCP, an acronym for Hazard Analysis (at) Critical Control Points, is a quality control program of operating procedures to assure food integrity, quality, and safety. Taking steps necessary to augment food safety practices are both cost effective and relatively simple. While HACCP guidelines go far beyond the scope of this manual, additional information is available by contacting the USDA/FDA Food-borne Illness Education Information Center at (301)504-6803.



This chart is provided for the assistance of *qualified technicians only* and is not intended for use by untrained or unauthorized service personnel. If your unit is not operating properly, check the following before calling your authorized service agent. Check the power applied to the unit. Plug in outlet? Fuse OK?

Do not attempt to repair or service beyond this point. Contact manufacturer for nearest authorized service agent. Repairs made by any other service agent without prior authorization by manufacturer will void the warranty on the unit.

Error Code	Trouble Shooting Guide Possible Cause	Action Required	
1. Control displays "OOO".	A. Sensor is open circuited.	Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is not 100, replace sensor.	
	B. Associated wiring is open circuited.	Check wires for integrity. Check for proper and secure connections at the thermostat and terminal block. If necessary, re-secure the faulty connections.	
	C. Control is faulty.	Energize system after the above steps have been completed. If control still reads "OOO", contact factory.	
2. Control displays "CCC".	A. Sensor is short circuited.	Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is not 100, replace sensor.	
BICKER LED. SOOR BUTTON	B. Associated wiring is short circuited.	Check wires for integrity. Check for proper and secure connections at the thermostat and terminal block. If necessary, re-secure the faulty connections.	
	C. Control is faulty.	Energize system after the above steps have been completed. If control still reads "CCC", contact factory.	
3. Unit does not operate.	A. Insufficient power supply.	Check power source.	
	B. Defective power cord or plug.	Check and replace if necessary.	
4. No display in electronic control.	A. Faulty power supply board.B. Faulty electronic control.	Check line voltage for 24V across pins 6 and 7 on the power supply board.	
5 Commenter la comme	,	Replace control.	
5. Cannot control temperature but sensor and electronic control check OK.	A. Faulty relay.	Replace relay. Replace element.	
6. Temperature readout incorrect.	B. Heating element sensor.A. Dirty or faulty sensor.B. Faulty control.	Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is not 100, replace sensor.	



DISCONNECT UNIT FROM POWER SOURCE BEFORE CLEANING OR SERVICING.

SERVICE VIEW PARTS LIST

600-LVD — REACH-IN

600-LVD/PT — PASS-THRU

		000-EVD = REACH-IN			000-LVD/11 — 1833-111R0		
	PART DESCRIPTION	UNIT QUANTITY	4/20/00 ALTO-SHAAM PART NUMBER		PART DESCRIPTION	UNIT QUANTITY	4/20/00 Alto-shaam Part Number
1.	CASING, OUTER - RED (600-LVD) CASING, OUTER - WHITE (LVD-60) CASING MOUNTING SCREWS	1 1 2	12243 13048 SC-2425	1.	CASING, OUTER - RED (600-LVD/PT) CASING, OUTER - WHITE (LVD-60/P) CASING MOUNTING SCREWS	1 1 2	12243 13048 SC-2425
2.	CASING, CONTROL COVER - RED (600-LVD) CASING, CONTROL COVER - WHITE (LVD-60) CASING MOUNTING SCREWS	1 1 2	12244 13049 SC-2425	2.	CASING, CONTROL COVER - RED (600-LVD/PT) CASING, CONTROL COVER - WHITE (LVD-60/P) CASING MOUNTING SCREWS	1 1 2	12244 13049 SC-2425
*	THREADED BUMPER (not shown)	4	BM-22606	*	THREADED BUMPER (not shown)	4	BM-22606
3.	SNAP-IN POCKET PULLS	4	PL-22607	3.	SNAP-IN POCKET PULLS	4	PL-22607
4.	INSULATION: 20" X 90" (508mm X 2286mm)	1	IN-22364	4.	INSULATION: 20" X 90" (508mm X 2286mm)	1	IN-22364
5.	CABLE CONNECTION HARDWARE			5.	CABLE CONNECTION HARDWARE		
6. 7.	HEATING CABLE: LENGTH 111' (33833mm), 125V LENGTH 134' (40843mm), 230V FAN, 125V (not shown)	1 1 1	CB-3045 CB-3045 FA-3973	6. 7.	HEATING CABLE: LENGTH 111' (33833mm), 125V LENGTH 134' (40843mm), 230V FAN, 125V (not shown)	1 1 1	CB-3045 CB-3045 FA-3973
	FAN, 230V (not shown) FAN MOUNTING SCREWS	1 4	FA-3974 SC-2459		FAN, 230V (not shown) FAN MOUNTING SCREWS	1 4	FA-3974 SC-2459
8. 9.	POWER SWITCH	1	SW-3962	8.	POWER SWITCH	1	SW-3962
	CONTROL CONNECTION INCLUDES: THERMOSTAT, 125V, 230V —230V (includes thermostat C° faceplate) SENSOR METAL SENSOR GUARD TRANSFORMER, 115/230V RELAY	1 1 1 1 1 1	TT-33563 TT-33564 SN-33541 1496 TN-33266 RL-3736	9.	CONTROL CONNECTION INCLUDES: THERMOSTAT, 125V, 230V —230V (includes thermostat C° faceplate) SENSOR METAL SENSOR GUARD TRANSFORMER, 115/230V RELAY	1 1 1 1 1 1	TT-33563 TT-33564 SN-33541 1496 TN-33266 RL-3736
10.	CONTROL PANEL OVERLAY - BLUE CUSTOMER PANEL OVERLAY - BLUE	1	PE-22622 PE-22623	10.	CONTROL PANEL OVERLAY - BLUE CUSTOMER PANEL OVERLAY - BLUE	1	PE-22622 PE-22623
	DECOR PANELS PANEL MOUNTING SCREWS	2 4	PE-22621 SC-2352	11.	DECOR PANELS PANEL MOUNTING SCREWS	2 4	PE-22621 SC-2352
12.	BULB, 5 WATTS, 12 VOLT LAMP ASSEMBLY WITH BULB (NOT SHOWN)	5 5	LP-33268 LP-33267	12.	BULB, 5 WATTS, 12 VOLT LAMP ASSEMBLY WITH BULB (NOT SHOWN)	5	LP-33268 LP-33267
13.	CORDSET, 125V CORDSET, 230V (TYPE HO7 RN-F-VDE-HAR)	1 1	CD-3959 CD-3922	13.	CORDSET, 125V CORDSET, 230V (TYPE HO7 RN-F-VDE-HAR)	1	CD-3959 CD-3922
14.	DOOR LATCH, MAGNETIC MAGNETIC CATCH	8	LT-23187 LT-24123	14.	DOOR LATCH, MAGNETIC	8	LT-23187
15.	DOOR HINGE HINGE MOUNTING SCREWS	6 12	HG-22611 SC-2352	15.	MAGNETIC CATCH DOOR HINGE	4	LT-24123 HG-22611
16.	BACK GLASS	1	4927		HINGE MOUNTING SCREWS	12	SC-2352
17.	GLASS DOOR DOOR HINGE WASHER GLASS DOOR ASSB. INCLUDES	1	4929 WS-2893	16.	GLASS DOOR DOOR HINGE WASHER GLASS DOOR ASSB. INCLUDES	2 2	4929 WS-2893
	—HINGE PIVOT PIN —HANDLE —HANDLE MOUNTING ADHESIVE: 15" (381mm) —HANDLE MOUNTING SCREWS —GASKET: 8' (2438mm)	2 1 1 2 1	PI-23190 HD-22604 TA-22122 SC-23681 GS-2891		—HINGE PIVOT PIN —HANDLE —HANDLE MOUNTING ADHESIVE: 30" (762mm) —HANDLE MOUNTING SCREWS —GASKET: 8' (2438mm)	4 2 1 4 2	PI-23190 HD-22604 TA-22122 SC-23681 GS-2891
18.	WIRE SHELVES, CHROME PLATED SHELF STUDS	12 48	SH-22608 ST-22605	17.	WIRE SHELVES, CHROME PLATED Shelf Studs	12 48	SH-22608 ST-22605

SERVICE VIEW • PAGE 7

OPTIONS	Wire Shelf Reinforcement, Two required for each shelf
&	Legs, 4" (102mm)
ACCESSORIES	

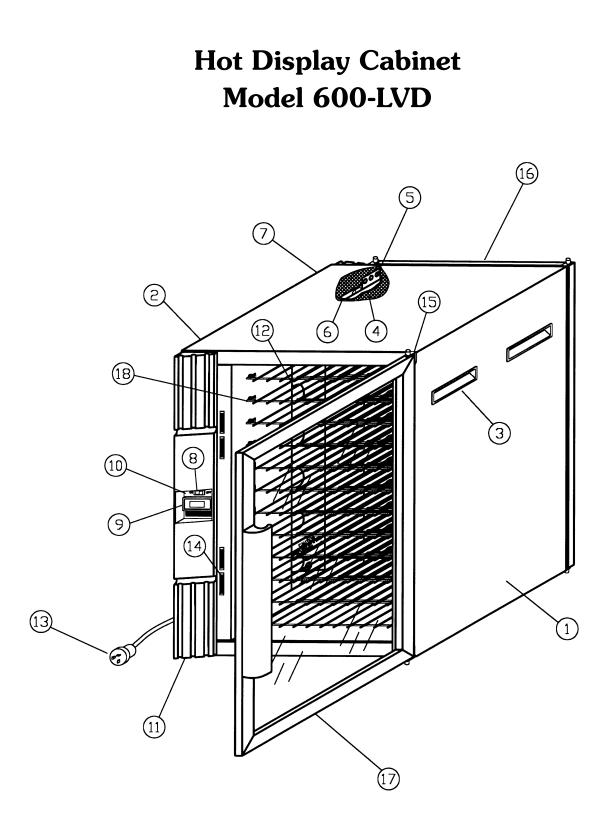
Cable He	eating Service Kit, 125V No. 4879
includes:	
CB-3045	Cable Heating Element 112 feet
CR-3226	Ring Connector
IN-3488	Insulation Corner 1 foot
BU-3105	Shoulder Bushing
BU-3106	Cup Bushing6
SL-3063	Insulating Sleeve
TA-3540	Electrical Tape
ST-2439	10-32 Stud
NU-2215	Nut, Hex

	eating Service Kit, 230V No. 4880
includes:	
CB-3045	Cable Heating Element
CR-3226	Ring Connector
IN-3488	Insulation Corner1 foot
BU-3105	Shoulder Bushing
BU-3106	Cup Bushing
SL-3063	Insulating Sleeve
TA-3540	Electrical Tape1 roll
ST-2439	10-32 Stud
NU-2215	Nut, Hex

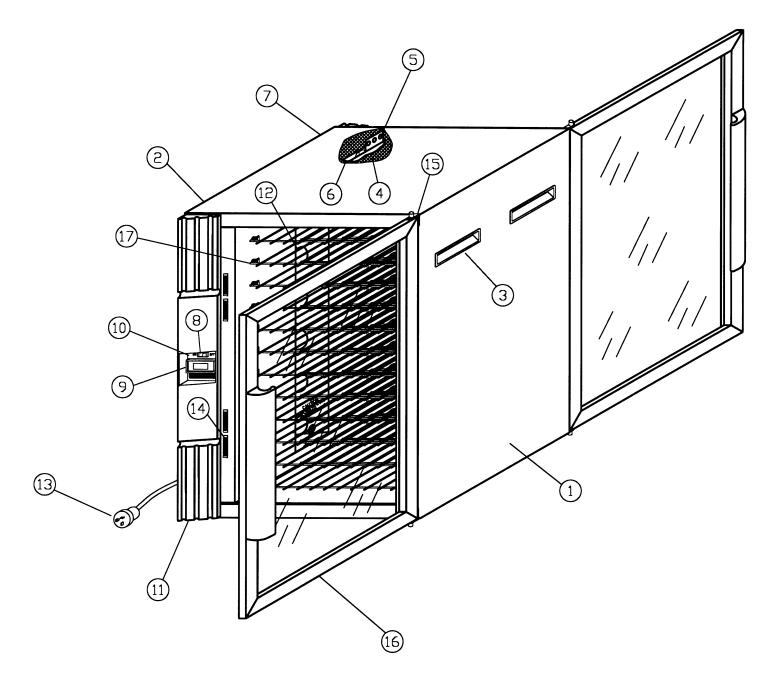
#824 Operation & Care Manual • 6.

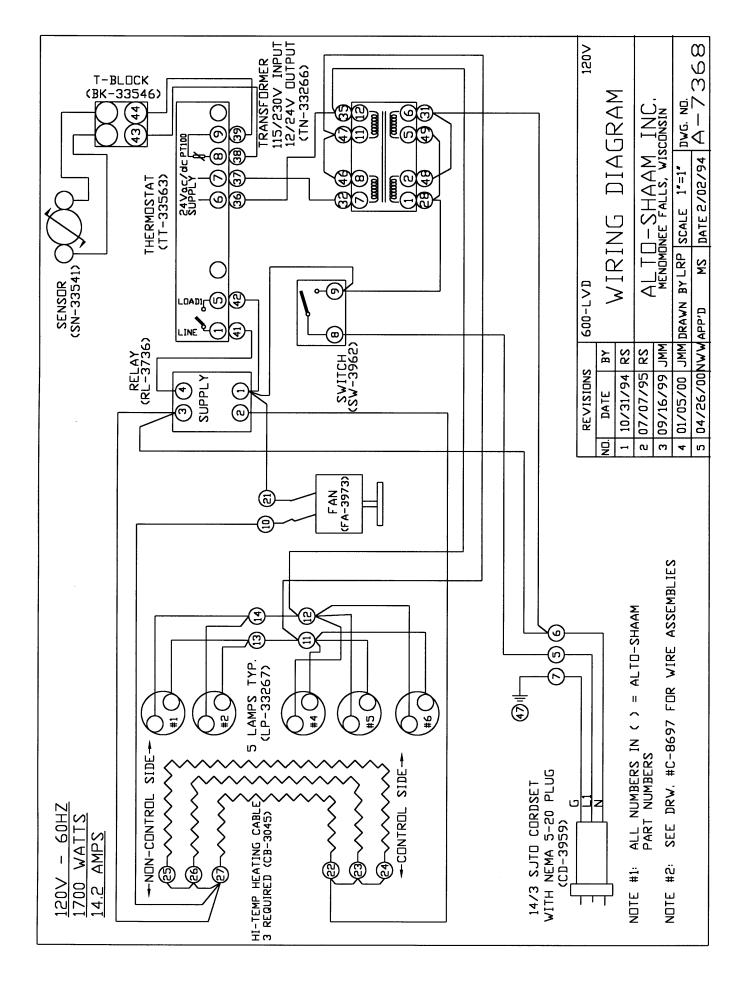
SERVICE VIEW • PAGE 8

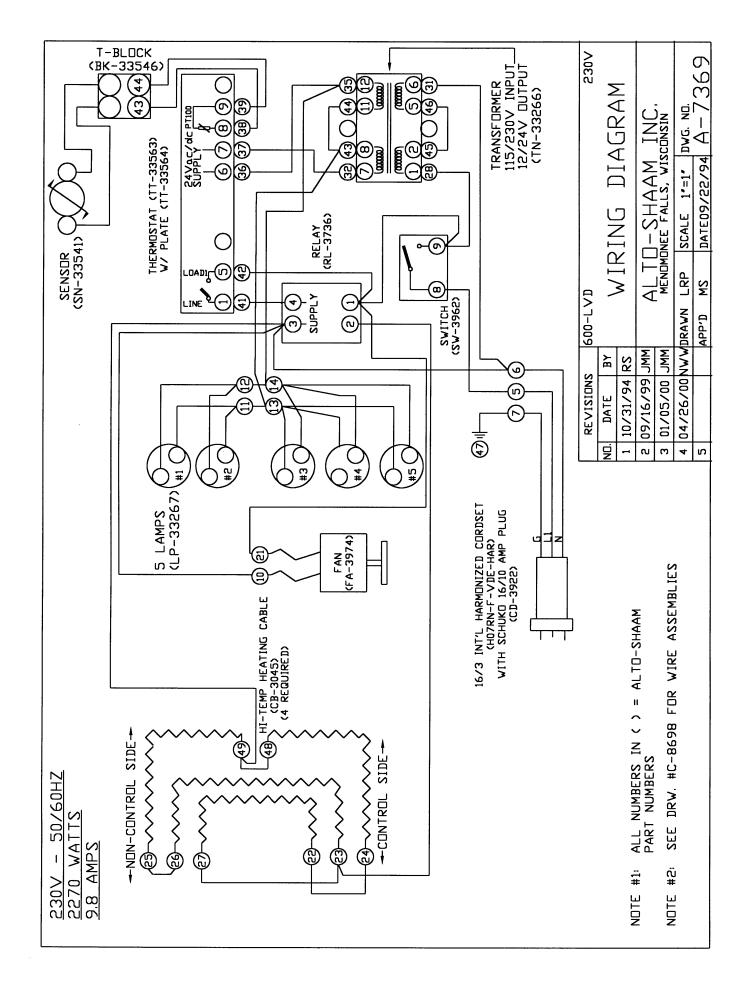
DISCONNECT CABINET FROM POWER SOURCE BEFORE CLEANING OR SERVICING



Hot Display Cabinet Model 600-LVD/PT







TRANSPORTATION DAMAGE and CLAIMS



All Alto-Shaam equipment is sold F.O.B. shipping point, and when accepted by the carrier, such shipments become the property of the consignee.

Should damage occur in shipment, it is a matter between the carrier and the consignee. In such cases, the carrier is assumed to be responsible for the safe delivery of the merchandise, unless negligence can be established on the part of the shipper.

- 1. Make an immediate inspection while the equipment is still in the truck or immediately after it is moved to the receiving area. Do not wait until after the material is moved to a storage area.
- 2. Do not sign a delivery receipt or a freight bill until you have made a proper count and inspection of all merchandise received.
- 3. Note all damage to packages directly on the carrier's delivery receipt.
- 4. Make certain the driver signs this receipt. If he refuses to sign, make a notation of this refusal on the receipt.
- 5. If the driver refuses to allow inspection, write the following on the delivery receipt: Driver refuses to allow inspection of containers for visible damage.
- 6. Telephone the carrier's office immediately upon finding damage, and request an inspection. Mail a written confirmation of the time, date, and the person called.
- 7. Save any packages and packing material for further inspection by the carrier.
- 8. Promptly file a written claim with the carrier and attach copies of all supporting paperwork.

We will continue our policy of assisting our customers in collecting claims which have been properly filed and actively pursued. We cannot, however, file any damage claims for you, assume the responsibility of any claims, or accept deductions in payment for such claims.

ALTO-SHAAM LIMITED WARRANTY

Alto-Shaam, Inc. warrants to the original purchaser that any original part that is found to be defective in material or workmanship will, at our option, subject to provisions hereinafter stated, be replaced with a new or rebuilt part.

The labor warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

The parts warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

Exceptions to the one year part warranty period are as listed:

- A. Halo Heat cook/hold ovens include a five (5) year parts warranty on the heating element. Labor will be covered under the terms of the standard warranty period of one (1) year or fifteen (15) months.
- Alto-Shaam Quickchillers include a five (5) year parts warranty B. on the refrigeration compressor. Labor will be covered under the terms of the standard warranty period of one (1) year or fifteen (15) months.

This warranty does not apply to:

- Calibration 1.
- Replacement of light bulbs and/or the replacement of display 2. case glass due to damage of any kind.
- 3. Equipment damage caused by accident, shipping, improper installation or alteration.
- Equipment used under conditions of abuse, misuse, carelessness 4. or abnormal conditions.
- 5. Any losses or damage resulting from malfunction, including loss of product or consequential or incidental damages of any kind.
- Equipment modified in any manner from original model, 6. substitution of parts other than factory authorized parts, removal of any parts including legs, or addition of any parts.

This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. In no event shall the Company be liable for loss of use, loss of revenue, or loss of product or profit, or for indirect or consequential damages. This warranty is in lieu of all other warranties expressed or implied and Alto-Shaam, Inc. neither assumes or authorizes any persons to assume for it any other obligation or liability in connection with Alto-Shaam equipment.

ALTO-SHAAM, INC.

Warranty effective January 1, 2000

Record the model and serial numbers of the unit for easy reference. Always refer to both model and serial numbers in your correspondence regarding the unit.

Mode	ŀ

Serial Number: Purchased From: Date Installed: Voltage: _

HALO HEAT COOK/HOLD/SERVE SYSTEMS BY ALTO-SHAAM. W164 N9221 Water Street • P.O. Box 450 • Menomonee Falls, Wisconsin 53052-0450 • U.S.A.

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