



Quality Refrigeration

Quick Start Guide

Instructions for the installation, use and care of:

R & A Series

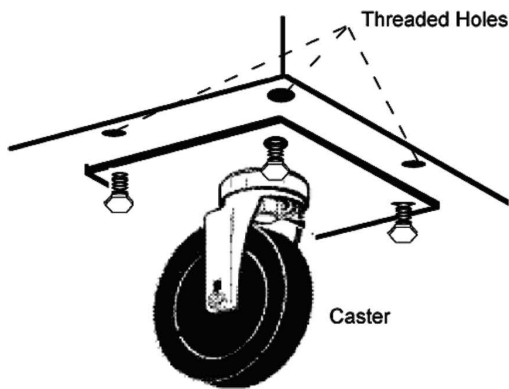
G Series

TE Series/ TU Series/ TS Series

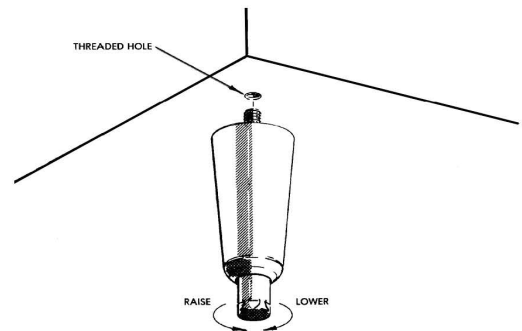
1. RECEIPT & SUPPORT INSTALLATION:

You should carefully inspect your Traulsen unit for damage during delivery. If damage is detected, you should save all the crating materials and make note on the carrier's Bill Of Lading describing this. A freight claim should be filed within 5 days.

After uncrating the unit, select a level location for final placement. Install the casters (or optional leg supports) as shown below
Supports: "Stem" type casters (standard). "Stem" type legs (optional), "Plate" type casters (TE, TS & TUs)



**Stem Type
Caster**



**Stem Type
Leg**

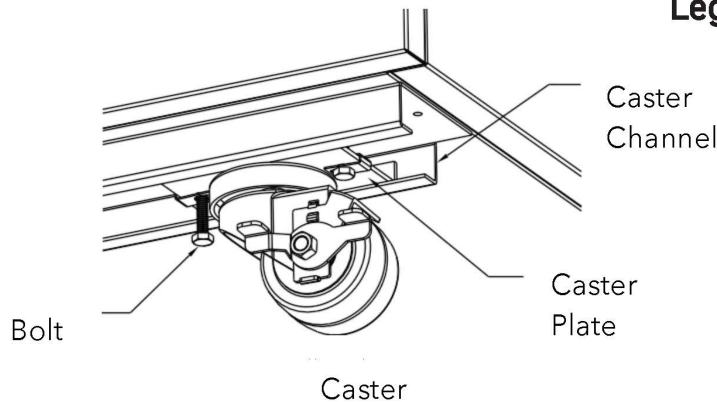


Plate Type Caster

⚠ WARNING

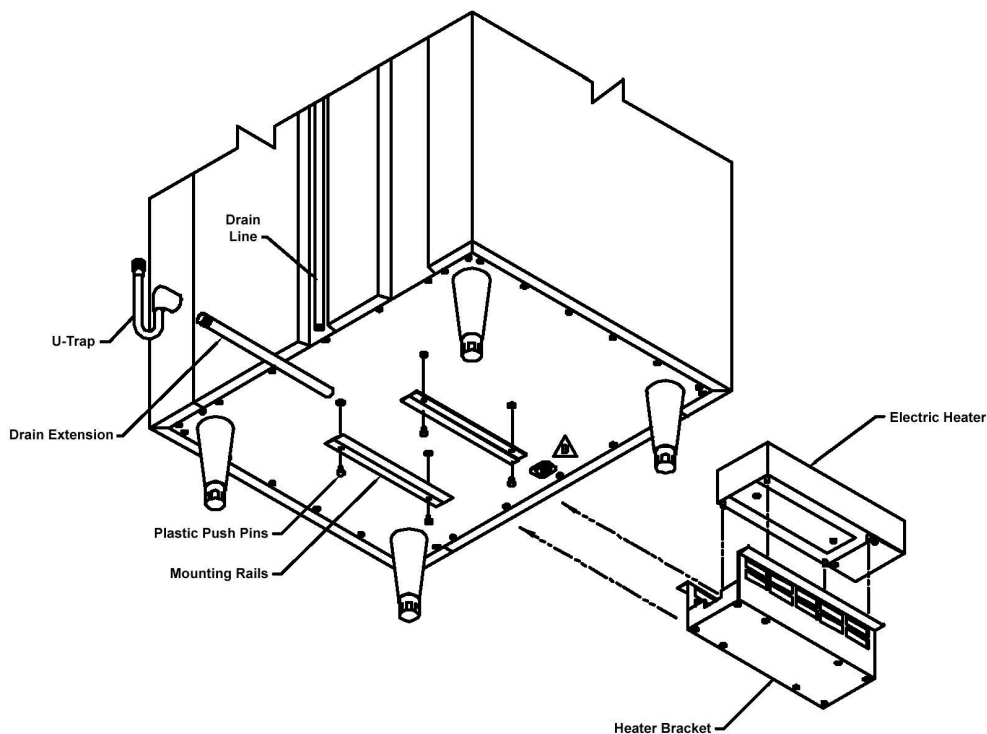
Some models may use R-290 (Propane) as a refrigerant. If flammable refrigerant is present, follow instructions as labeled on the unit. Proper care must be taken to avoid any damage to refrigeration system including refrigerant tubing, condenser, evaporator coils during handling, moving, installation and cleaning as it may cause risk of fire or explosion. If damaged, unit must be moved to well ventilated area away from any sources of ignition.

Further service and repair must be performed by qualified refrigeration technicians familiar with applicable safety standards for flammable refrigerants. Technicians must use appropriate personal protective equipment and follow applicable safety pre- cautions to avoid risk of fire or explosion.

All models (except compact undercounter) should be installed to allow at least 12" of clear space above the unit. In all cases the louvers must be free of any obstruction which could prevent proper air-flow.

Most units are supplied with a cord and plug, which can simply be plugged into a dedicated appropriately sized outlet. For those requiring hard-wiring directly to the power supply, this should be done by a qualified electrician only.

NOTE: Some models require provision of a bottom mounted condensate evaporator. Follow instructions provided with part, along with this for installation.

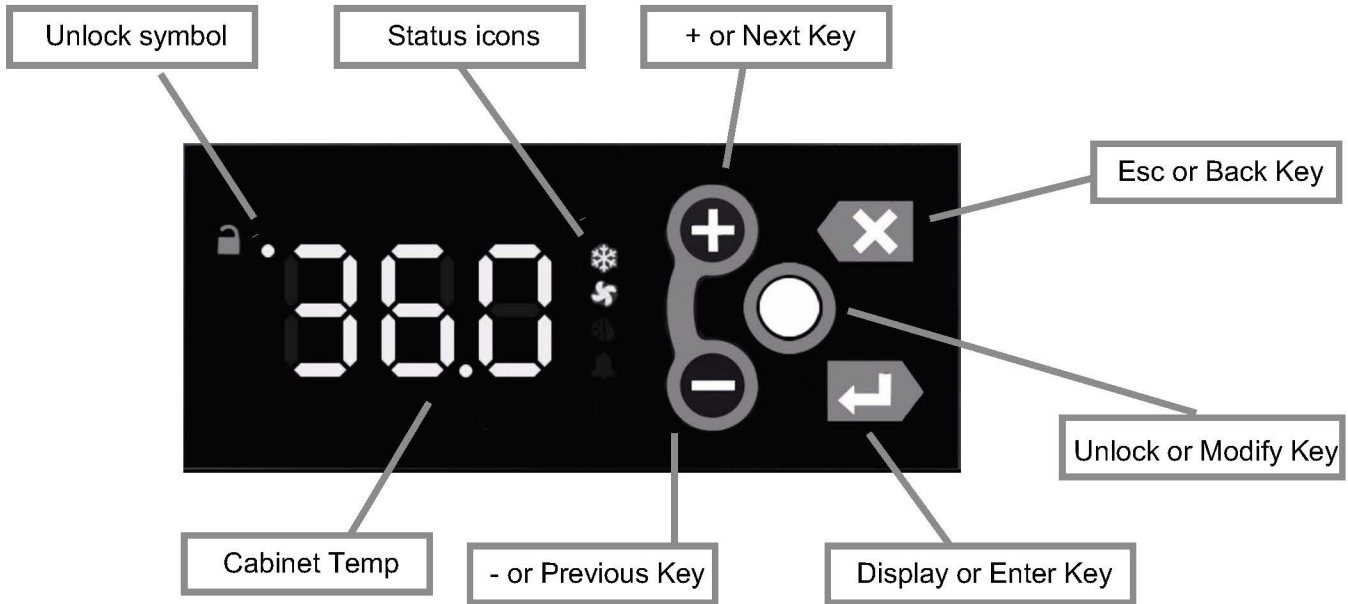


Bottom Mounted Condensate Evaporator

2. CONTROL OVERVIEW:

Most Traulsen equipment is plug and play. However, once power is supplied to the unit, you may make minor adjustments to your Traulsen unit.

2A- CONTROLLER DISPLAY – G/ TE / TU/ TS SERIES



2B - UNDERSTANDING THE DISPLAY:



DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Temperature Reading/Settings
	Keypad Unlocked
	Keypad Locked
	Compressor On
	Fan On
	Defrost
	Alarm/Door Open

On the **Left Side** of the display, there are colored LEDs for showing the temperature, status of the compressor, fans, lock/unlock status, etc.

DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Unlock/Modify Key
	Minus (-)/Previous Key
	Plus (+)/Next Key
	Enter/Display Key
	Esc/Back/Cancel Key

On the **Right Side** of the display, there are 5 capacitive touch buttons for managing the operation of the unit.





2C - UNLOCKING THE KEYPAD:

DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Unlock/Modify Key
	Keypad Unlocked

Normally, the keypad is locked to prevent inadvertent changes to settings. The **Unlock Key** is a white dot on the right side of the display, centered between the other 4 keys. Press the **Unlock key** twice within a second in order to unlock the keypad (think "tap-tap"). The **Keypad Unlocked LED** will turn on to indicate the keypad is now live. The keypad will stay unlocked until there is 3 minutes of inactivity, at which time it will automatically lock the keypad. There are 2 operations the user can perform without having to enter a password:

- Change the temperature setpoint
- Initiate a defrost operation

2D - CHANGE THE TEMPERATURE SETPOINT:




DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Plus (+)/Next Key
	Minus (-)/Previous Key
	Enter/Display Key
	Esc/Back/Cancel Key

The setpoint to the unit can be changed simply by pressing the **Plus or Minus Key**. There will be a slight delay at first to prevent an accidental change, so it will be necessary to hold the key for 3-4 seconds until the value starts to flash. The flashing value indicates the setting is being modified. To raise the setpoint, press the **Plus Key** to increment to the setpoint you want. Similarly, press the **Minus Key** to lower the setpoint. When the desired value is reached, press the **Enter/Display Key** to lock in the value. Pressing the **Esc Key** will abort the process and keep the original setpoint. The keypad must be unlocked in order to change the setpoint using the shortcut method.

2E - INITIATE A DEFROST OPERATION:



UNIT	DEFROST INTERVAL
Upright Ref	8
Upright Frz	4
Compacts	6

Defrost is a necessary operation to remove frost that builds up on the evaporator coil and reduces air flow within the cabinet. Normally this is done automatically based on a time interval and the ambient conditions of the environment. A special sensor is used to measure the humidity in the air to adjust the defrost interval depending upon humidity levels. The nominal defrost intervals are shown in table.

DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Minus (-)/Previous Key
	Esc/Back/Cancel Key
	Defrost

To manually defrost the unit, press the **Minus Key** and the **Esc Key** simultaneously and hold for 5 seconds. Units equipped with an LED temperature display will indicate when a defrost cycle is in process. The **Defrost Symbol** will illuminate letting you know defrost is in effect. Depending on the settings, the unit may also show "DEF".





3 - HOT FOODS CABINETS - UNLOCKING THE KEYPAD:

DISPLAY SYM	SYMBOL DESCRIPTION
	Unlock/Modify Key
	Keypad Unlocked

Normally, the keypad is locked to prevent inadvertent changes to settings. The **Unlock Key** is a white dot on the right side of the display, centered between the other 4 keys. Press the **Unlock Key** twice within a second in order to unlock the keypad (think "tap-tap"). The **Keypad Unlocked LED** will turn on to indicate the keypad is now live. The keypad will stay unlocked until there is 3 minutes of inactivity, at which time it will automatically lock the keypad. There are 2 operations the user can perform without having to enter a password:



- Change the temperature setpoint
- Turn the heaters off

3A - HOT FOODS CABINETS - CHANGE THE TEMPERATURE SETPOINT:

DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Plus (+)/Next Key
	Minus (-)/Previous Key
	Enter/Display Key
	Esc/Back/Cancel Key

The setpoint to the unit can be changed simply by pressing the **Plus or Minus Key**. There will be a slight delay at first to prevent an accidental change, so it will be necessary to hold the key for 3-4 seconds until the value starts to flash. The flashing value indicates the setting is being modified. To raise the setpoint, press the **Plus Key** to increment to the setpoint you want. Similarly, press the **Minus Key** to lower the setpoint. When the desired value is reached, press the **Enter Key** to lock in the value. Pressing the **Esc Key** will abort the process and keep the original setpoint. The keypad must be unlocked in order to change the setpoint using the shortcut method.

3B - HOT FOODS CABINETS - TURN THE HEATERS OFF:

DISPLAY SYMBOL	SYMBOL DESCRIPTION
	Keypad Unlocked
	Unlock/Modify Key

The keypad must be unlocked in order to de-activate the heaters. Press the Unlock key twice within a second in order to unlock the keypad. The **Keypad Unlocked** LED will turn on to indicate the keypad is active. To turn the unit off, press and hold the **Unlock Key** until the display shows "OFF". To turn the unit ON, press the **Unlock Key** until the display shows the temperature.



Instructions to Operate R/A Series Smart Control

4. CONTROL OVERVIEW

All Traulsen equipment is configured for optimum performance. However, you may make minor adjustments to your Traulsen unit to suit your needs.

4A - CONTROLLER DISPLAY

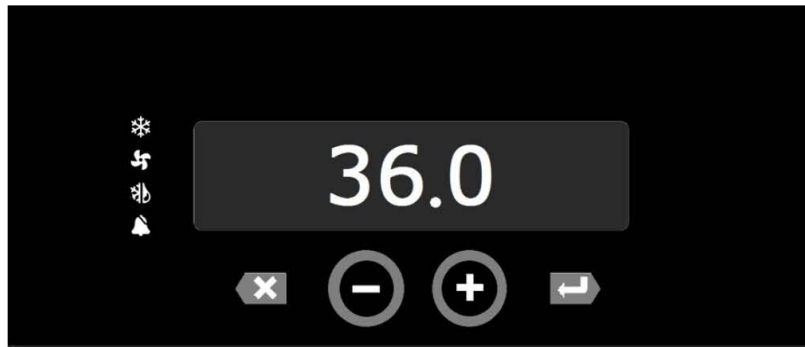


Figure 1. Controller Displaying Cabinet Temperature

On the Left Side of the display there are four icons that reflect the status of the compressor, fans, defrost and alarms. At the center of the display is a Text Display that shows the Cabinet Temperature. It will also be used to access the Control Settings. Below the display are four tactile buttons used to access the control menu system. The Symbols and Buttons are listed in the table below.

STATUS SYMBOL	DESCRIPTION
	Compressor Status / Heater Status (On Hot Food cabinets only)
	Fan Status
	Defrost Status
	Alarm/Door Open

Table 1. Status Symbols

BUTTON SYMBOL	DESCRIPTION
	Escape /Back /Cancel Key
	Minus (-) / Previous Key
	Plus (+) / Next Key
	Enter / Modify Key

Table 2. Push Button Symbols

IMPORTANT NOTE: While accessing the Controller Menu, two line, small font text messages will be displayed. In this document two line messages are denoted as follows, “**TopLine, BottomLine**”.

For example, the text displayed in image below is denoted as follows, “**Submenu 1/5, Sensor Readings**”.

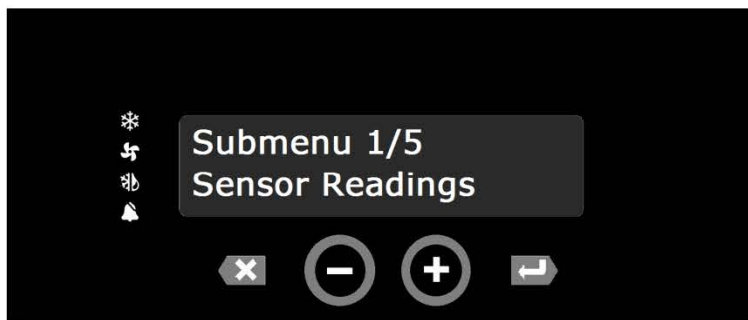


Figure 2. Controller Displaying Two Line Text Messages

4B - CHANGE THE SETPOINT

The Setpoint of the unit can be changed by following the steps below:

1. While the cabinet temperature is displayed (home screen), press the **Enter/Modify Key**.
“**SubMenu 1/5, Sensor Readings**” will be displayed.
2. Push the **Plus(+)** or **Minus(-)** Key to navigate the submenu system until, “**SubMenu 2/5, Settings**” is displayed.
3. Push the **Enter/Modify Key**, “**Enter Password, 0**” will be displayed.
4. Push **Enter/Modify Key** three times, to view the setpoint. If your unit has a setpoint of 36, “**TempCabSP, 36**” will be displayed.
5. Push the **Enter/Modify Key**, the control will now enter edit mode.
6. Push the **Plus(+)** or **Minus(-)** Key to change the setpoint to the desired number.
7. Push **Enter/Modify Key** once to register the new value.
8. Push **Enter/Modify Key** again to confirm the change.
9. The new setpoint will now be displayed.
10. Push the **Escape/Back/Cancel Key** twice to exit the submenu system.
11. The cabinet temperature in large font will be displayed.

4C- INITIATE A DEFROST OPERATION:

All Traulsen units are setup to defrost automatically. If necessary, the user may manually initiate a defrost by following the steps below:

1. While the cabinet temperature is displayed (home screen), press the **Enter/Modify Key**.
“SubMenu 1/5, Sensor Readings” will be displayed.
2. Push the **Plus(+)** or **Minus(-)** Key to navigate the submenu system until, “SubMenu 3/5, Start Defrost” is displayed.
3. Push the **Enter/Modify Key** twice to start defrosting.
4. Display will return to the home screen, and the defrost icon will light up. The unit will terminate defrost automatically without user intervention.

5. TURN OFF HEATERS - HOT FOOD CABINETS ONLY

To turn OFF the Hot Food unit, press the **Escape/Back/Cancel Key** until nothing is displayed on the screen. Push any key to turn the unit back ON.

6. GENERAL CARE:

WARNING

Disconnect electrical power supply before cleaning any parts of the unit. All Traulsen equipment should be cleaned only with warm water, mild soap and a soft cloth. Apply with a dampened cloth and wipe in the direction of the metal grain.

Avoid the use of strong detergents and gritty, abrasive cleaners as they may tend to mar and scratch the surface. Do not use cleansers containing chlorine, this may promote metal corrosion.

Care should also be taken to avoid splashing the unit with water, containing chlorinated cleansers, when mopping the floor around the unit. For stubborn odor spills, use baking soda and water (mixed to a 1 TBSP baking soda to 1 pint water ratio).

7. ADJUSTING THE SHELVES:

Shelves Mounted on Pins

First select the desired location and remove the white plastic covers in the interior back and sides by rotating them counter-clockwise. Install the pins in the desired location by rotating them clockwise. Make sure the pin is securely tightened down. Do not over tighten. Slide the shelf into its new position, and replace the white plastic covers into the holes vacated by the shelf pins.

Shelves Mounted on Clips & Pilasters

Shelves and shelf clips are shipped with the unit. For each shelf, insert four (4) shelf clips into the pilaster slots at the same height. The shelf clips have a small projection on top which holds the shelf in position and prevents it from slipping forward. After installing shelf clips on pilasters, place shelves on clips.

8. CLEANING THE CONDENSER:

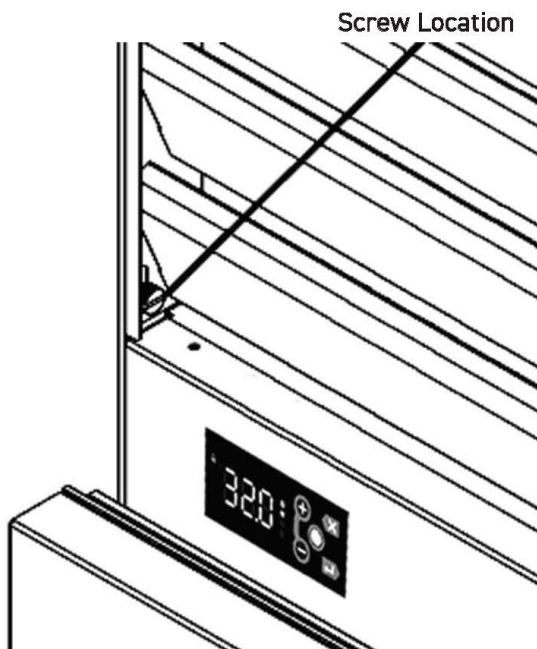
⚠ WARNING

Disconnect electrical power supply before cleaning any parts of the unit.

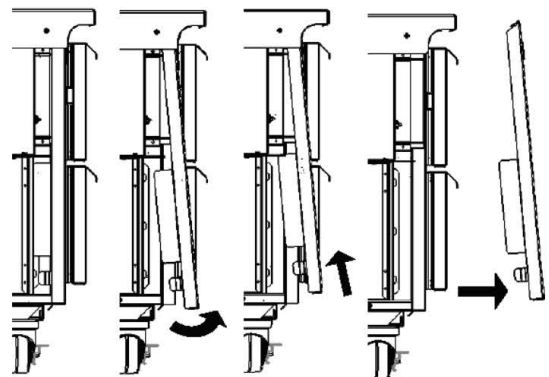
This is the single most important thing you can do to promote long, efficient equipment life. For All Upright Cabinets, remove the two bottom screws securing the louver panel, then pivot this upwards allowing full access to the front facing condenser. For all TE Series, TUSeries & TS Series, place hands under the louver panel and pull out and up to get louver panel off bracket of the unit.

Contact factory technical assistance at 800-825-8220 for all Compact Undercounter and Compact Prep-Table.

Vacuum or brush any dirt, lint or dust from the finned condenser coil, around the compressor and other cooling system parts as indicated. If significant dirt is clogging the condenser fins, use compressed air to blow this clear. When finished reverse the louver removal process as instructed above.



Upright Units Louver



TE/TU/TS Series Louver

9. TROUBLE SHOOTING:

WARNING



Some models may use R-290 (Propane) as a refrigerant. Service and repair must be performed by qualified refrigeration technicians familiar with applicable safety standards for flammable refrigerants. Technicians must use appropriate personal protective equipment and follow applicable safety precautions to avoid risk of fire or explosion. Service and repair must be performed in well ventilated and unconfined area, away from any ignition sources. All system components must be replaced with like components. Factory recommends to use exact make and models to assure the consistent performance and to minimize the risk of possible ignition due to incorrect parts. In case of uncertainty or parts unavailability, contact Traulsen technical assistance at 800-825-8220.

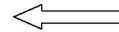
PROBLEM	POSSIBLE SOLUTION
1. Condensing unit fails to start.	a. Check if cord & plug has been disconnected.
2. Condensing unit operates for prolonged periods or continuously.	a. Are door(s) or drawer(s) closing properly? b. Dirty condenser or filter. Clean properly. c. Evaporator coils iced. Needs to defrost.
3. Food Compartment is too warm.	a. Check door(s) or drawer(s) and gasket(s) for proper seal. b. Check if a large quantity of warm food was recently added or the door was kept open for a long period of time. c. Microprocessor control setting is too high, readjust.
4. Food Compartment is too cold.	a. Check if a large quantity of very cold or frozen food has recently been added. Allow adequate time for the cabinet to recover its normal operating temperature. b. Adjust the microprocessor control to warmer setting, readjust.
5. Condensation on exterior surface.	a. Check door(s) or drawer(s) alignment & gaskets for proper seal. b. Condensation on the exterior surface of the unit is perfectly normal during periods of high humidity. c. Check perimeter heat setting and increase setting if <100.

10. SERVICE/WARRANTY INFORMATION:

Amp Plate

Before making contact at 800-825-8220, please make sure you have model and serial number of your unit. Amp plate with information needed is located inside the unit.

		4401 Blue Mound Rd. Ft. Worth, TX 76106 800-825-8220	
		 <small>SCAN FOR SERVICE INFO</small>	
MODEL: MODELO: MODELE:			
S/N:			
REFRIGERANT / REFRIGERANTE / RÉFRIGÉRANT			
SYS1 (REFM):			
Hi Press. (PRESH):			
Lo Press. (PRESL):			
SYS2 (REFA):			
Hi Press. (PRESH):			
Lo Press. (PRESL):			
Input Power (ELIN) - FOR INDOOR USE ONLY			
(Symbol 1) <small>(Primary Safety)</small>	(Symbol 2) <small>(Primary Sanitation)</small>	(Symbol 3) <small>(Primary Energy)</small>	(Symbol 4) <small>(WEEE)</small>
(Symbol 5) <small>(Alt Safety / Other)</small>	(Symbol 6) <small>(Alt Sanitation / Other)</small>	(Symbol 7) <small>(Alt Energy / Other)</small>	(Symbol 8) <small>(Cust QR Code / Other)</small>
Device/Part Number: Part.PartNum		Device/Part Notes: Part.Character04	
COMPONENTS / COMPOSANTS / COMPONENTES			
COMP AMPS:		LIGHT WATTS:	
COND FAN AMPS:		CTRLAMPS:	
SYS/DEF HTR AMPS:		B/TMCE HTR AMPS:	
DOOR HTR AMPS:		MIN CIRCUIT IN AMPS:	
SYS/EVAP FAN AMPS:		MAX OVR CURRENT PROTECTION AMPS:	
<small>370-60297-00 REV.B 11/21/14</small>			



This equipment is prohibited from use in California with any refrigerants on the "List of Prohibited Substances" for that specific end-use, in accordance with California Code of Regulations, title 17, section 95374. This disclosure statement has been reviewed and approved by ITW Food Equipment Group LLC DBA Traulsen/Kairak and ITW Food Equipment Group LLC DBA Traulsen/Kairak attests, under penalty of perjury, that these statements are true and accurate.

Please visit our website at www.traulsen.com for additional service, literature and parts information. From our home page click on the **SERVICE** tab, and select one of the following:

- SERVICE FINDER
- OWNER'S
- MANUALS
- PARTS
- PRICING
- SERVICE & PARTS MANUALS
- WARRANTY REGISTRATION

HOURS OF OPERATION:

Monday thru Friday 7:30 AM - 4:30 PM CST



Traulsen
 4401 Blue Mound Road Fort Worth, TX 76106
 Phone (800) 825-8220 Service Fax (817) 740 6757
www.traulsen.com

Quality Refrigeration