



Quality Refrigeration

Quick Start Guide

Instructions for the installation, use and care of:

**UHT / ULT Series
Compact Undercounters
&
UPT / UST Series
Compact Prep Tables**

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.

Confirm that the correct power supply is available to the cabinet per the manufactures requirements as listed on the cabinet data tag before cabinet installation. The area in which your cabinet is to be installed should be chosen carefully to insure the best performance. The installation surface should be level and provide good area circulation.

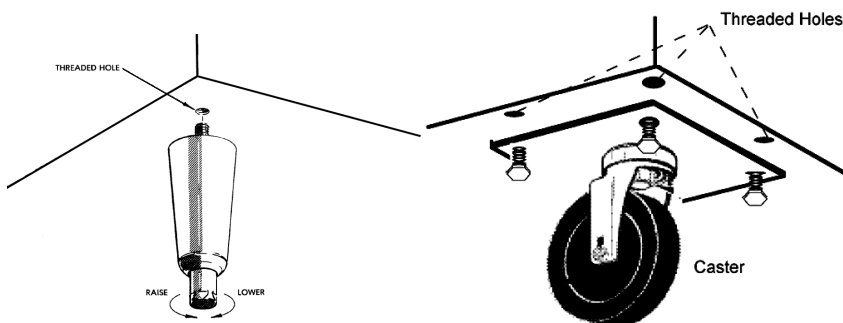
⚠ WARNING

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 and 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 precautions to avoid risk of fire or explosion.

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.

After uncrating the unit, select a level location for final placement. Install the legs or casters as shown below.



Compacts Supports ("Stem" type legs & casters)

2. CONTROL BASICS

Your new Traulsen unit is equipped with a digital control, which precisely regulates operation. It is supplied from the factory completely ready for use.



2. a - INFORMATION MENU

The information available in this menu is:

t1	Instant probe 1 temperature
t2*	Instant probe 2 temperature
cnd**	Compressor working weeks

* displayed only if enabled (see Configuration Parameters) ** displayed only if ACC > 0

Access to menu and information displayed:

- Press and immediately release button **i**.
- With button **▼** or **▲** select the data to be displayed.
- Press button **i** to display value.
- To exit from the menu, press button **X** or wait for 10 seconds.

Initiate Stand-By:

Keeping the button **⏻** pressed for 3 seconds allows the controller to be put on a standby or output control to be resumed (with **SB**=YES only).

Locking the Keypad:

The keypad lock avoids undesired, potentially dangerous operations, which might be attempted when the controller is operating in a public place. In the INFO menu, set parameter **LOC** = YES to inhibit all functions of the buttons. To resume normal operation of keypad, adjust setting so that **LOC** = NO.

2. b - ADJUSTING CABINET SETPOINT

Setpoint display and modification:

- Press button **i** for atleast a half second to display the setpoint value.
- While keeping the **i** button pressed, use button **▼** or **▲** to set the desired value (adjustment is within the minimum **SPL** and the maximum **SPH** limit).
- When button **i** is released, the new value is stored.

2. CONTROL BASICS (continued)

2. c - INITIATING A DEFROST

Automatic defrost:

Defrost starts automatically as soon as the time set with parameter **DFT** has elapsed.

- Timed defrost: With **DFM** = TIM defrosts take place at regular intervals when the timer reaches the value of **DFT**. For example, with **DFM** = TIM and **DFT** = 36, a defrost will take place every 6 hours.
- Optimized defrost: With **DFM** = FRO the timer is only increased when the conditions occur for frost to form on the evaporator, until the time set with parameter **DFT** is matched. If the evaporator works at 0°F, defrost frequency depends on the thermal load and climatic conditions. With setpoints much lower than 0°F, defrost frequency mainly depends on the refrigerator operating time.
- Defrost time count backup: At the power-up, if **DFB** = YES, the defrost timer resumes the time count from where it was left off before the power interruption. Vice versa, with **DFB** = NO, the time count re-starts from 0. In stand-by, the accumulated time count is frozen.

Manual or remote defrost start:

It's possible to manually start a defrost, by pressing button  for 2 seconds.

Defrost type. Once defrost has started, Compressor and Defrost outputs are controlled according to parameter **DTY**. If **FID** = YES, the evaporator fans are active during defrost.

Defrost termination. The actual defrost duration is influenced by a series of parameters.

- Time termination: **T2** = NO and **T3** different from 2EU: the evaporator temperature is not monitored and defrost will last as long as time **DTO**.
- Temperature monitoring of one evaporator: **T2** = YES and **T3** different from 2EU. In this case, if the sensor **T2** measures the temperature **DLI** before the time **DTO** elapses, defrost will be terminated in advance.











Resuming thermostatic cycle:

When defrost is over, if **DRN** is greater than 0, all outputs will remain off for **DRN** minutes, in order for the ice to melt completely and the resulting water to drain. Moreover, if probe **T2** is active (**T2** = YES), the fans will re-start when the evaporator gets to a temperature lower than **FDD**; Vice versa, if probe **T2** is not active (**T2** = NO) or after defrost has come to an end, such condition does not occur by end of the time **FTO**, after **FTO** minutes have elapsed the fans will be switched on anyway.

Caution: if **DFM** = NON or **C-H** = HEA all defrost functions are inhibited; if **DFT** = 0, automatic defrost functions are excluded.

2. d - CONFIGURATION PARAMETERS

Parameter Configuration:

- To get access to the parameter configuration menu, press button  and  for 5 seconds.
- With button  or  select the parameter to be modified.
- Press button  to display the value.
- By keeping button  pressed, use button  or  to set the desired value.
- When button  is released, the newly programmed value is stored and the following parameter is displayed.
- To exit from the setup, press button  or wait for 30 seconds.

2. CONTROL BASICS (continued)

2. e - OPERATION DISPLAY INDICATORS

During normal operation, the display shows either the temperature measured or one of the following indications:

<i>dEF</i>	Defrost in progress
<i>oFF</i>	Controller in stand-by
<i>cL</i>	Condenser clean warning
<i>do</i>	Door open alarm
<i>E1</i>	Probe T1 failure
<i>E2</i>	Probe T2 failure
<i>E3</i>	Probe T3 failure

2. f - TECHNICAL DATA

Power supply

TRL-002....W 100-240Vac ±10%, 50/60Hz, 3W

Relay output max loads (240Vac)

	TRL-002..S/T..-	TRL-002..Q/R..-
Compressor	16A resistive 12 FLA 48 RLA	12A resistive 12 FLA 48 RLA
Evap. Fan	16A resistive 4 FLA 12 RLA	8A resistive 4 FLA 12 RLA
Defrost	16A resistive 4 FLA 12 RLA	16A resistive 4 FLA 12 RLA
Auxiliary loads 1	7A resistive	7A resistive
Auxiliary loads 2	7A resistive	7A resistive

Input

NTC 10KΩ@25°C LAE Part No. SN4...

Measurement Range

<0.5 within the measurement range

Operating Conditions

-10... +50°C; 15%...80% r.H.

CE (Approvals and Reference Norms)

EN60730-1; EN60730-2-9; EN55022 (Class B); EN50082-1

2. CONTROL BASICS (continued)

2. g - COMPONENTS AND WIRING DIAGRAM



Indications:



Thermostat output



Fan output



Defrost output



Activation of 2nd parameter set



Alarm



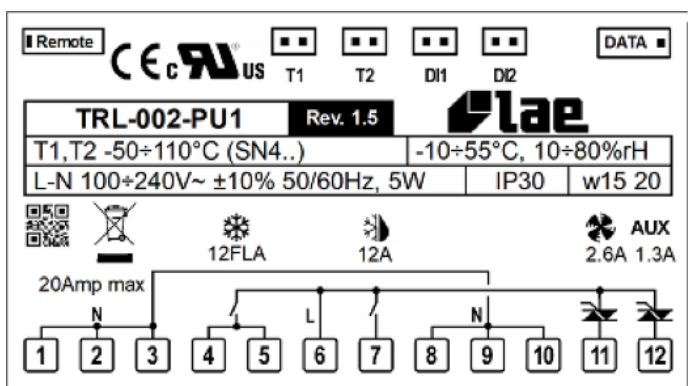
Manual activation / Increase button



Exit / Stand-by button



Control Wiring Diagram:



3. 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 as 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).

4. ADJUSTING THE SHELVES

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 upright cabinets, remove the two bottom screws securing the louver panel, then pivot this upwards allowing full access to the front facing condenser.

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.

6. CLEANING THE CONDENSER

⚠ WARNING

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

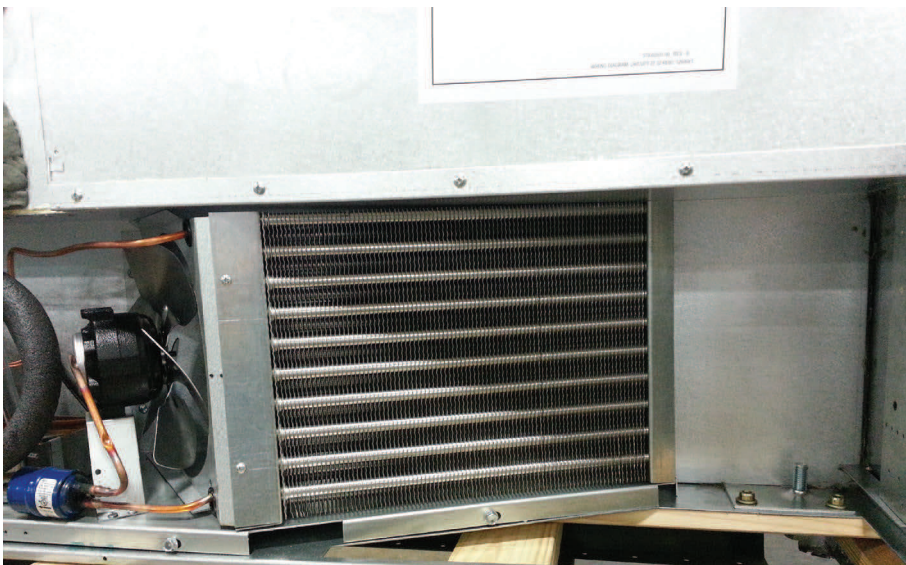
This is the single most important thing you can do to promote long, efficient equipment life.

To clean the condenser, remove rear bottom perforated access panel.



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.



7. TROUBLESHOOTING

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
Condensing unit fails to start.	a. Check if cord & plug has been disconnected.
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. Microprocessor control setting is too high, readjust.
Food Compartment is too warm.	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 control to warmer setting, readjust.
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.
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.

8. SERVICE & WARRANTY INFORMATION

8. a - SERVICE SUPPORT

To speak to service support for Traulsen units please contact our Fort Worth, TX facility by phone at 800-825-8220 or by fax to 817-740-6748 (parts) or 817-740-6757 (service).

Note: When calling for service support, please make sure you have model and serial number of unit available.

		4401 Blue Mound Rd. Ft. Worth, TX 76106 800-825-8220	
MODEL:	RD232WUF-FHS		Model Number Serial Number
MODEL#:			
S/N:	T2336A14		
SCAN FOR SERVICE INFO			
REFRIGERANT / RÉFRIGÉRANT			
SYS1 (REFM):	R-134a		
Hi Press. (PRESH):			
Lo Press. (PRESL):	2		
SYS2 (REFM):	R-404a		
Hi Press. (PRESH):	50		
Lo Press. (PRESL):	2		
Input Power (ELIN) - FOR INDOOR USE ONLY			
115:			
(Symbol 1) (Alt Safety / Other 1)	(Symbol 2) (Alt. San / Other 2)	(Symbol 3) (Alt. En. / Other 3)	(Symbol 4) (WEEE)
(Symbol 5) (Safety)	(Symbol 6) (Sanitation)	(Symbol 7) (Energy)	(Symbol 8) (Customer QR Code / Other 4)
Device/Part Number: PartNum		(UL/NSF Notes)	
COMPONENTS / COMPOSANTS / COMPONENTES			
COMP AMPS:		EVAP FAN AMPS:	
COND FAN AMPS:		LIGHT WATTS:	
DEF HTR AMPS:		CTRL AMPS:	
DOOR HTR AMPS:		MIN AMPS:	
MAX AMPS:			
370-60297-00 REV A 11/20/14			

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

8. b - WARRANTY REGISTRATION:

The warranties for your new Traulsen unit may be registered with us by contacting our Fort Worth, TX facility directly by phone at 800-825-8220.

HOURS OF OPERATION:

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



Quality Refrigeration

Traulsen

4401 Blue Mound Road Fort Worth, TX 76106

Phone (800) 825-8220

Service Fax (817) 740 6757

www.traulsen.com