






HOW TO LOAD THIS TRAILER

Before you load...

- Turn switch on. Select the zone and **adjust** desired **thermostat setpoint** using up and down arrow keys  , press **ENTER** .
- Place Zone 1 and Zone 2 switches to the "on" position. Press and hold the  key for 3 to 5 seconds. "**Pre-Trip**" appears on display. Press **ENTER** .
- Pre-cool entire trailer or individual zones one to two hours -or- until the refrigeration unit cycles off or to low speed.
- Pre-cool the product(s) to desired shipping temperature.

As you load...

- Turn off the refrigeration unit until the front compartment is loaded and the compartment bulkhead is securely in place. Restart the refrigeration unit.
- Load Zone 2 and secure the second compartment bulkhead if applicable. The rear evaporator will restart after both the rear side, and overhead doors are closed.
- Always allow air circulation around all six sides of the load in each compartment.

After you load...

- Avoid frequent and lengthy door openings.
- Secure all platforms, fold out steps, and slider ramp before moving trailer.

HAVING PROBLEMS?

This trailer is designed to maintain product temperatures not lower than the setpoint. Hot products may cause ice build-up on refrigeration coils.

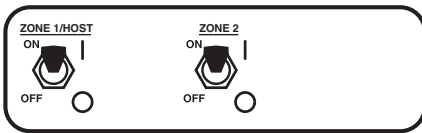
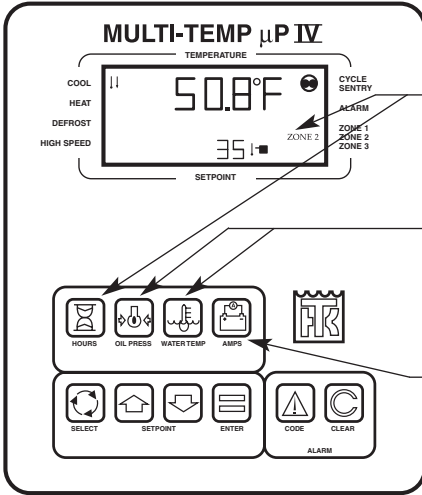
If the unit will not run:

- Remember, the unit will automatically cycle off if the refrigeration unit has reached the thermostat setpoint (Cycle Sentry Mode). It will also shut off if front side-door, and the rear side-door or overhead door are open (Door Sentry Mode).
- Door Sentry switches automatically place the host or remote evaporators in a "null" mode when that compartment's door is opened.
- Check the control panel display for flashing alarm codes. If present, press the code key several times and note all codes present. Call the XTRA Lease 24-hour RoadWatch number 800-325-1453, press option #1

If the unit will not cool, check:

- Is the thermostat setpoint correct?
- Was the product too hot when it was loaded?
- Are all bulkheads properly secured and intact?
- Are the doors opened frequently or left open for extended periods?
- Initiate manual defrost per zone as required. **NOTE:** Return air temperature must be below 45° F.

Change the Setpoint



1 Turn on the ZONE 1/HOST switch and the zone switches for all other zones where the setpoint is to be changed.

2 Press the SELECT key to display the Standard Display for the zone whose setpoint is to be changed. Zone 2 is selected here.

3 Press the up or down Arrow keys as required to select the new setpoint.

4 When the desired setpoint is shown in the display, the ENTER key must be pressed in order to load the new setpoint into the microprocessor. The display will briefly show [LOAD] and then the new setpoint will then be shown in the display.

5 Check the setpoint shown in the display against the zone shown in the display to be certain that the setpoint was changed for the desired zone.

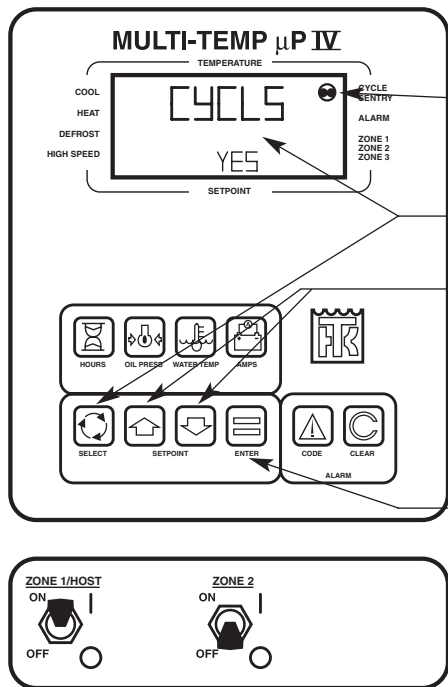
6 Change the setpoint as required for other zones by repeating these steps.

CAUTION: The unit may start automatically any time the ZONE 1/HOST switch is in the on position.

IMPORTANT: The ENTER key must be pressed in order to change the setpoint! If the ENTER key is not pressed, the setpoint will return to the old setpoint about 10 seconds after the last key is pressed.

IMPORTANT: Be sure to check the setpoint shown in the display against the zone shown in the display to be certain that the setpoint was changed for the desired zone.

Select Cycle Sentry or Continuous Mode



Turn the ZONE 1/HOST switch on.

1 **NOTE:** The Cycle Sentry icon will appear when Cycle Sentry mode is selected.

2 Press the SELECT key to display [CYCLS] and [YES] or [NO].

3 Press the up or down arrow keys as required to select [NO] or [YES]. [NO] = Continuous Mode, [YES] = Cycle Sentry Mode.

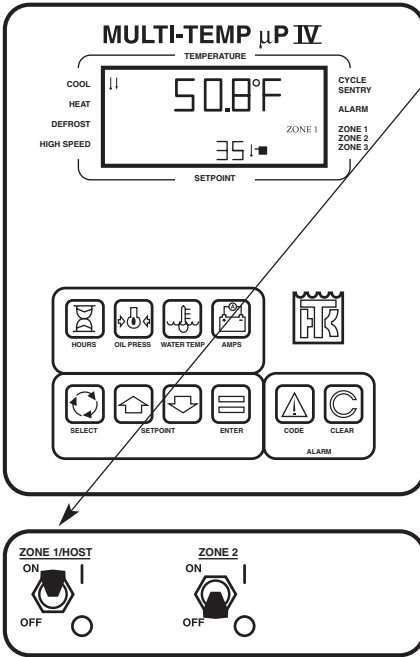
4 When the desired mode is shown in the display, the ENTER key must be pressed to load the new mode into the microprocessor. The display will briefly show [LOAD] and the new mode will then be shown in the display.

CAUTION: The unit may start automatically in either cycle sentry or continuous mode any time the ZONE 1/HOST switch is in the on position.

IMPORTANT: The ENTER key must be pressed in order to change the operating mode! If the ENTER key is not pressed the mode will return to the old mode about 10 seconds after the last key is pressed.

IMPORTANT: Selecting [YES] = Cycle Sentry mode.
Selecting [NO] = Continuous mode.

Start the Diesel Engine



1 Turn the ZONE 1/HOST switch to on.

2 If the unit is in Continuous mode, the engine will automatically preheat and start in about 10 seconds if no other key is pressed.

If the unit is in Cycle Sentry mode and cooling, heating or defrost is required in any zone that is turned on, the engine will automatically preheat and crank. If all zones that are turned on are satisfied and an engine start is not required to heat the engine or charge the battery, the start will remain in Null mode.

CAUTION: The unit may start automatically in either cycle sentry or continuous mode any time the ZONE 1/HOST switch is in the on position.

NOTE: If other keys are pressed within 10 seconds of turning the ZONE 1/HOST switch on, the engine start will be delayed until 10 seconds after the last key is pressed.

Initiate a Manual Defrost Cycle

1 The ZONE 1/HOST and any other zone switches where defrost is desired must be turned on and the evaporator coil temperature for the zone must be below 45°F before the defrost prompt will appear.

2 Press the Select key to display the [dEF] prompt for the desired zone. ZONE 1 is shown here.

3 Press the ENTER key to start a defrost cycle in the selected zone. The display will briefly show [LOAD] and a defrost cycle will then be initiated in the selected zone.

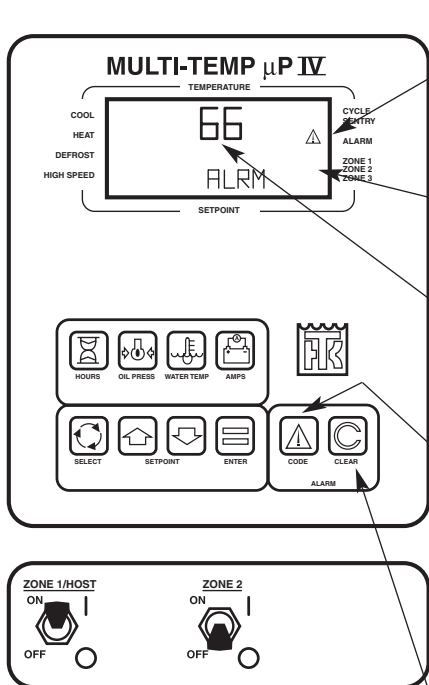
NOTE: The defrost Icon will appear when a zone enters a defrost cycle.

CAUTION: The unit may start automatically in either cycle sentry or continuous mode any time the ZONE 1/HOST switch is in the on position.

IMPORTANT: The ENTER key must be pressed in order to initiate a manual defrost cycle! If the ENTER key is not pressed, a manual defrost cycle will not be initiated and the display will return to the standard display in about 10 seconds.

IMPORTANT: The defrost prompt for a zone will not appear unless that zone is turned on and the evaporator coil temperature for that zone is less than 45°F.

View and Clear Alarm Codes



1

If an alarm or alarms are present, the Alarm icon will appear. It is possible to have more than one alarm at a time.

NOTE: If an alarm is specific to a zone, the appropriate Zone icon will also appear.

NOTE: The alarm shown here is a Code 66 Low Oil Level alarm. None of the zone icons would appear.

2

When the Alarm icon is present, press the CODE key to view the alarm. Pressing the CODE key again will display any additional alarms that may exist. If no alarm codes are present the code [00] appears when the CODE key is pressed. Consult the tables on the following pages for an explanation of alarm codes.

IMPORTANT: Always record all alarm codes that are present.

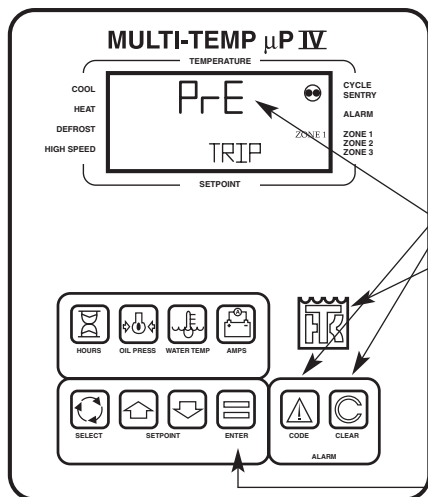
NOTE: Alarm codes are displayed in the order they occurred, with the most recent alarm appearing first.

NOTE: If the condition that caused the alarm has not been corrected, the alarm code will continue to appear.

3

After the condition that caused the alarm code has been corrected, press the CODE key again to display the alarm. While the alarm code is shown in the display, press the CLEAR key to clear the alarm. Repeat the procedure for additional alarms.

Run a Full Pretrip Test



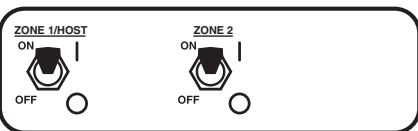
1 Turn on the ZONE 1/HOST switch and the switches for all other zones that are to be checked during the Pretrip.

2 Clear all alarms using the CODE and CLEAR keys.

3 When the Standard Display appears and before the engine starts, press and hold the T/K Logo key until [PrE TRIP] is shown in the display.

4 Press the ENTER key to start a Pretrip Test. The display will briefly show [LOAD] and the unit will then begin a Pretrip Test. All zones that are turned on will be tested.

5 When the Pretrip test is complete, the display will report the results as follows:
[PASS TRIP] = No alarms were found during the Pretrip test.
[CHEC TRIP] = One or more check alarms were found during the Pretrip test. These should be corrected as soon as possible.
[FAIL TRIP] = Shutdown alarms were found during the Pretrip test. These must be corrected immediately and the Pretrip test must be repeated before releasing the unit for service.





IMPORTANT: The ENTER key must be pressed to start a Pretrip test. If the ENTER key is not pressed, the display will return to the standard display after about 10 seconds.

NOTE: The Pretrip test should not be interrupted unless absolutely necessary. If the Pretrip test must be halted, turn the ZONE 1/HOST switch off. This will generate one or more alarms, including Alarm Code 28 - Pretrip Abort. This is normal.

NOTE: Only those zones whose On/Off switches are on will be tested.

NOTE: Alarm codes generated during a Pretrip test are preceded by a dash (-).

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- | | | | |
|----|---|----|--|
| 00 | No Fault | 31 | Oil Pressure Switch |
| 01 | Microprocessor Power Up
Reset (data logger only) | 32 | Refrigeration Capacity Low |
| 02 | Evaporator Coil Sensor | 33 | Check Engine RPM |
| 03 | Return Air Sensor | 34 | Check Modulation Circuit |
| 04 | Discharge Air Sensor | 35 | Run Delay Circuit |
| 05 | Ambient Air Sensor | 36 | Electric Motor Failed To Run |
| 06 | Engine Water Temperature
Sensor | 37 | Check Engine Water Level |
| 07 | Engine RPM Sensor | 38 | Electric Motor Failed To Run |
| 09 | High Evaporator Temperature | 39 | Water Value |
| 10 | High Discharge Pressure | 40 | High Speed Circuit |
| 11 | Unit Controlling On
Discharge Air | 41 | Engine Water Temperature
Check |
| 12 | Sensor Shut Down | 42 | Unit Forced To Low Speed |
| 13 | Check Sensor Calibration | 43 | Unit Forced To Low Speed
Modulation |
| 14 | Defrost Terminated By Time | 44 | Fuel System Check |
| 15 | Glow Plug Check | 45 | Hot Gas Circuit |
| 16 | Manual Start Not Completed | 46 | Air Flow Check |
| 17 | Engine Failed To Crank
(Cycle Sentry) | 50 | Reset Clock |
| 18 | High Engine Water
Temperature | 51 | Shutdown Circuit |
| 19 | Low Engine Oil Pressure | 52 | Heat Circuit |
| 20 | Engine Failed To Start
(Cycle Sentry) | 54 | Test Mode Timeout |
| 21 | Cooling Cycle Check | 55 | Check Engine Speeds |
| 22 | Heating Cycle Check | 61 | Battery Check |
| 23 | Cooling Cycle Fault | 62 | Ammeter Out Of Calibration
Range |
| 24 | Heating Cycle Fault | 63 | Engine Stopped -
Reason Unknown |
| 25 | Alternator Check | 64 | Pretrip Reminder |
| 26 | Check Refrigeration Capacity | 66 | Low Oil Level |
| 27 | Unassigned | 70 | Hourmeters Exceeded 99999 |
| 28 | Pretrip Or Self-Check Abort | 71 | Maintenance Hour Meter #4
Exceeds Set Limit |
| 29 | Damper Circuit | 72 | Maintenance Hour Meter #5
Exceeds Set Limit |
| 30 | Damper Stuck Closed | | |

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- 73 Maintenance Hour Meter #6
 - Exceeds Set Limit
 - 74 Microprocessor Reverted To Default Settings
 - 76-78 Internal Fault Code
 - Factory Or Dealer Set
 - 79 Data Log Overflow
 - 80 Compressor Temp Sensor
 - 81 High Comp Temp
 - 82 High Comp Temp Shutdown
 - 83 Low Coolant Temp
 - 84 Restart Null
 - 85 Forced Unit Operation
 - 86 Discharge Press Transducer Fail
 - 87 Suction Press Transducer Fail
 - 88 Unassigned
 - 89 Electronic Throttling Valve Circuit
 - 90-104 Unassigned
 - 105 Receiver Tank Pressure Solenoid
 - 106 Purge Valve
 - 107 Condensor Inlet Solenoid
 - 108 Door Open Timeout
 - 109 High Discharge Pressure/ Sensor
 - 110 Suction Line Solenoid
 - 111 Unit Not Configured Correctly
 - 112 Remote Fan Zone 2-3
 - 113 Electric Heat
 - 114 Multiple Alarms, Can Not Run

NOTE: NOT ALL CODES APPEAR IN SOME VERSIONS OF SOFTWARE

