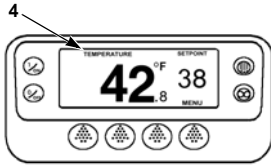
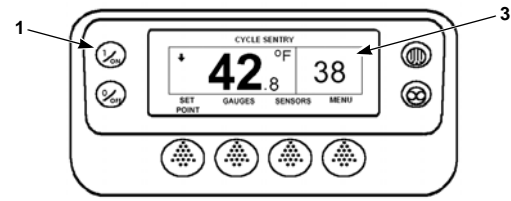


Simple to Start:

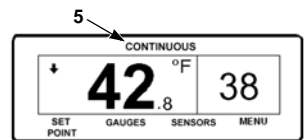
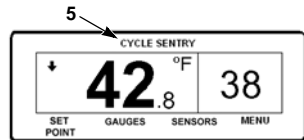
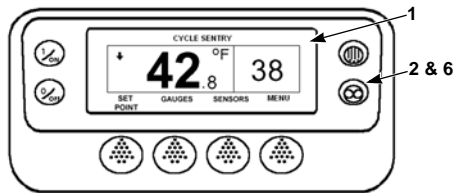


1. Press the ON Key.
2. A series of start-up screens will appear.
3. The Standard Display appears showing setpoint and box temperature when the unit is running.

4. The Standard Display defaults to the "Temperature Watch" screen after 2 1/2 minutes. This screen displays same setpoint and box temperature in larger font.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to Set: CYCLE-SENTRY or Continuous Run

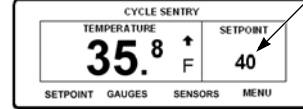
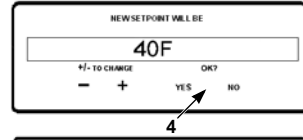
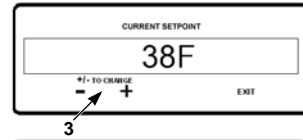
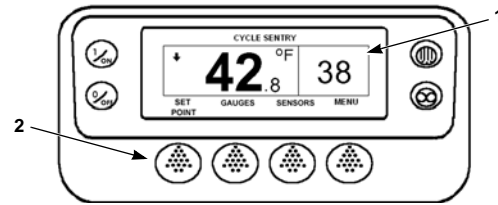


1. Return to the Standard Display.
2. Press the MODE SELECTION Key.
3. The "Programming Continuous Mode" or "Programming CYCLE-SENTRY Mode" screen briefly appears.
4. The "New System Mode is Continuous" screen or the "New System Mode CYCLE-SENTRY" screen briefly appears.

5. The Standard Display appears and the heading on top of screen reads the new mode.
6. Pressing the MODE SELECTION Key again will change the unit back to the previous mode.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

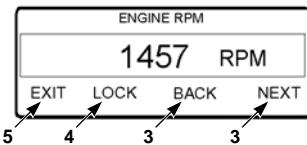
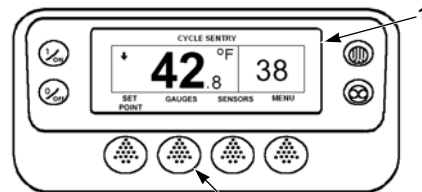
Simple to Set: Setpoint Temperature



1. Return to the Standard Display.
2. Press the SETPOINT Key on the Standard Display.
3. Press the + or - Keys to change the setpoint reading.
4. Press the YES or NO key accordingly.
5. The Standard Display appears with setpoint changed to the new setpoint.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to Check: Gauges



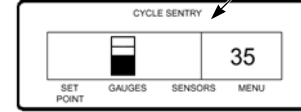
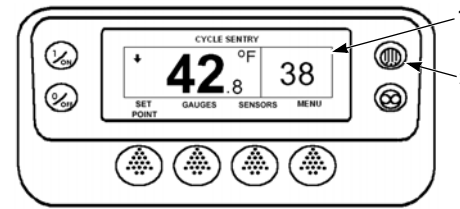
1. Return to the Standard Display.
2. Press the GAUGES Key.
3. Press BACK or NEXT Keys to scroll through following gauges: Coolant Temperature, Coolant Level, Engine Oil, Pressure, Amps, Battery Voltage, Engine RPM, Discharge Pressure, Suction Pressure, ETV Position, I/O. If no keys are pressed within 30 seconds, the screen will return to the Standard Display.

4. Press the LOCK Key to display any gauge screen for an indefinite period. Press the key again to unlock the screen.

5. Press the EXIT Key to return to the Standard Display.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

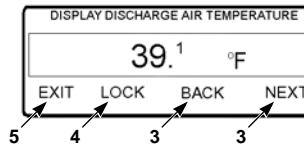
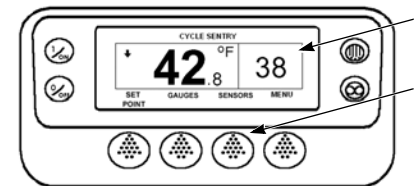
Simple to Defrost: Initiate Manual Defrost



1. Return to the Standard Display.
2. Press the DEFROST Key.
3. Miscellaneous defrost programming screens appear.
4. A modified Standard Display screen appears. The bar indicator will fill in showing the time remaining to complete the Defrost cycle. When the Defrost cycle is complete the display returns to Standard Display screen.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to Access: Sensors



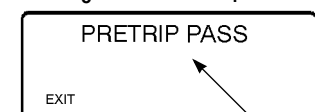
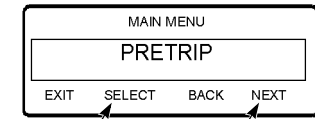
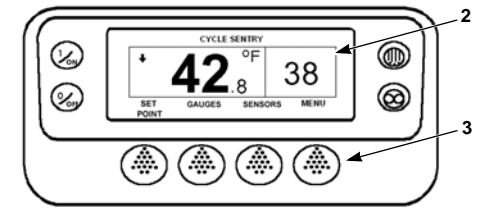
1. Return to the Standard Display.
2. Press the SENSORS Key.
3. Press the BACK or NEXT Keys to scroll through the following sensor screens: Control Return Air Temperature, Display Return Air Temperature, Temperature Differential, Evaporator Coil Temperature, Ambient Air Temperature, Spare 1 Temperature, Datalogger Temperature Sensors 1-6 and the Board Temperature Sensor. If no keys are pressed within 30 seconds, the screen will return to the Standard Display.

4. Press the LOCK Key to display any sensor screen for an indefinite period. Press the key again to unlock the screen.

5. Press the EXIT Key to return to the Standard Display.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to Check: Pretrip Test

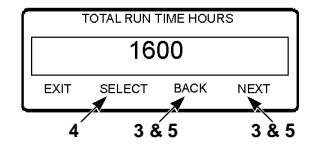
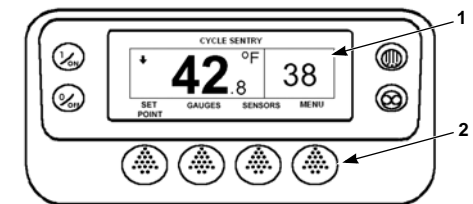


1. Clear all alarm codes.
2. Return to the Standard Display.
3. Press the MENU key.
4. Press the NEXT Key as required to show the Pretrip Menu.
5. Press the SELECT Key to start a Pretrip Test.
6. If the unit is not running, a Full Pretrip will be initiated. If the unit is running in either diesel or electric mode, a Running Pretrip will be performed.

7. When all tests are complete, the results are reported as PASS, CHECK or FAIL. If the results are CHECK or FAIL, the accompanying alarm codes will direct the technician to the cause of the problem.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to Check: Hourmeters



1. Return to the Standard Display screen.
2. Press the MENU Key.
3. Scroll through Main Menu by repeatedly pressing the NEXT and BACK Keys until the hourmeters Main Menu Screen appears.

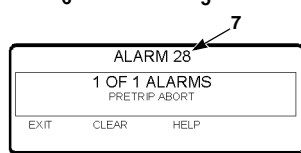
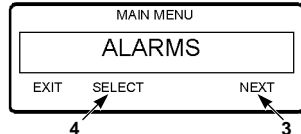
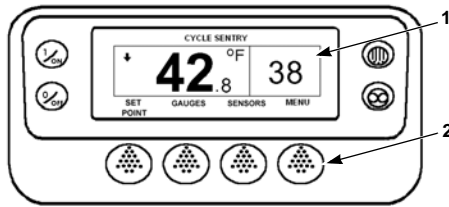
4. Press the SELECT Key to enter the Hourmeters Menu.

5. Press the NEXT and BACK Keys to view the Hourmeter Displays.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to View:

Cause of Alarm



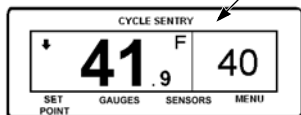
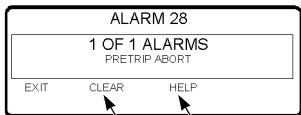
1. Return to the Standard Display Screen.
2. Press the MENU Key.
3. Press the NEXT Key until the Alarm Menu appears.
4. Press the SELECT Key. The Alarm Display will appear.
5. If no alarms are present, Alarm 00 is shown.
6. Press the EXIT Key to return to the Standard Display.
7. If alarms are present, the quantity of alarms and the most recent alarm code number will be shown.
8. If there is more than one alarm, press the NEXT Key to view each alarm.
9. If a serious alarm occurs,

the unit will be shut down to prevent damage to the unit or the load. If this occurs, the display will show that the unit is shut down and display the alarm code that caused the shutdown.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to View:

Clearing Alarm Codes



1. Press the CLEAR Key to clear an alarm.
2. The display screen will return to the Standard Display when the alarms are cleared.
3. Press the HELP key for additional information regarding the alarm shown on the display. Also see the complete Alarm Code list in the next column.

NOTE: For more detailed information, see the Operation chapter in the appropriate unit operating manual.

Simple to Determine:

Cause of Alarm

- | | | | |
|----|--|-----|---|
| 0 | No Alarms Exist | 89 | Check Electronic Throttling Valve Circuit |
| 2 | Evaporator Coil Sensor | 90 | Electric Overload |
| 3 | Control Return Air Sensor | 91 | Electric Ready Input |
| 4 | Control Discharge Air Sensor | 92 | Sensor Grades Not Set |
| 5 | Ambient Air Sensor | 93 | Low Compressor Suction Pressure |
| 6 | Coolant Temp Sensor | 94 | Loader #1 Circuit |
| 7 | Engine RPM Sensor | 95 | Loader #2 Circuit |
| 9 | High Evaporator Temperature | 96 | Low Fuel Level |
| 10 | High Discharge Pressure | 98 | Fuel Level Sensor |
| 11 | Unit Controlling on Alternate Sensor | 99 | High Compressor Pressure Ratio |
| 12 | Sensor or Digital Input Shutdown | 108 | Door Open Time-out |
| 13 | Sensor Check | 111 | Unit Not Configured Correctly |
| 15 | Check Glow Plugs/Intake Air Heater | 113 | Electric Heat Circuit |
| 17 | Engine Failed to Crank | 114 | Multiple Alarms - Cannot Run |
| 18 | High Engine Coolant Temperature | 117 | Auto switch from Diesel to Electric |
| 19 | Low Engine Oil Pressure | 118 | Auto switch from Electric to Diesel |
| 20 | Engine Failed to Start | 120 | Alternator Exciter Circuit |
| 21 | Cooling Cycle Check | 121 | Liquid Injection Circuit |
| 22 | Heating Cycle Check | 122 | Diesel/Electric Relay Circuit |
| 23 | Cooling Cycle Fault | 127 | Setpoint Not Entered |
| 24 | Heating Cycle Fault | 128 | Engine Run Time Maintenance Reminder #1 |
| 25 | Alternator Check | 129 | Engine Run Time Maintenance Reminder #2 |
| 26 | Refrigeration Capacity | 130 | Electric Run Time Maintenance Reminder #1 |
| 28 | Pretrip or Self Check Abort | 131 | Electric Run Time Maintenance Reminder #2 |
| 29 | Defrost Damper Circuit | 132 | Total Unit Run Time Maintenance Reminder #1 |
| 30 | Defrost Damper Stuck | 133 | Total Unit Run Time Maintenance Reminder #2 |
| 31 | Oil Pressure Switch | 134 | Controller Power On Hours |
| 32 | Refrigeration Capacity Low | 135 | Check Spare Digital Inputs |
| 33 | Check Engine RPM | 136 | Check Spare Digital Outputs |
| 35 | Run Relay Circuit | 137 | Check Damper Motor Heater Output |
| 36 | Electric Motor Failed to Run | 141 | Autoswitch Diesel to Electric Disabled |
| 37 | Engine Coolant Level | 145 | Loss of Controller "On" Feedback Signal |
| 38 | Electric Phase Reversed | 146 | Software Version Mismatch |
| 39 | Water Valve Circuit | 148 | Autoswitch Electric to Diesel Disabled |
| 40 | High Speed Circuit | 149 | Alarm Not Identified |
| 41 | Check Engine Coolant Temperature | 150 | Out of Range Low |
| 42 | Unit Forced to Low Speed | 151 | Out of Range High |
| 43 | Unit Forced to Low Speed Modulation | 157 | OptiSet Plus Mismatch |
| 44 | Check Fuel System | 203 | Display Return Air Sensor |
| 45 | Hot Gas Bypass or Hot Gas Bypass Circuit | 204 | Display Discharge Air Sensor |
| 46 | Check Air Flow | 252 | Check Fresh Air Exchange Circuit |
| 48 | Check Belts/Clutch | | |
| 50 | Reset Clock | | |
| 52 | Heat Circuit | | |
| 54 | Test Mode Time-out | | |
| 61 | Low Battery Voltage | | |
| 62 | Ammeter Out of Calibration | | |
| 63 | Engine Stopped | | |
| 64 | Pretrip Reminder | | |
| 65 | Abnormal Temperature Differential | | |
| 66 | Low Engine Oil Level | | |
| 67 | Liquid Line Solenoid Circuit | | |
| 68 | Internal Controller Fault | | |
| 70 | Hourmeter Failure | | |
| 74 | Controller Reset to Defaults | | |
| 77 | Controller EPROM Checksum Failure | | |
| 79 | Internal Data Logger Overflow | | |
| 80 | Compressor Temp Sensor | | |
| 81 | High Compressor Temp | | |
| 82 | High Compressor Temperature Shutdown | | |
| 83 | Low Engine Coolant Temperature | | |
| 84 | Restart Null | | |
| 85 | Forced Unit Operation | | |
| 86 | Discharge Pressure Sensor | | |
| 87 | Suction Pressure Sensor | | |

SR-3 Smart Reefer 3 Microprocessor



Driver Guide to Simple Operation

