

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.

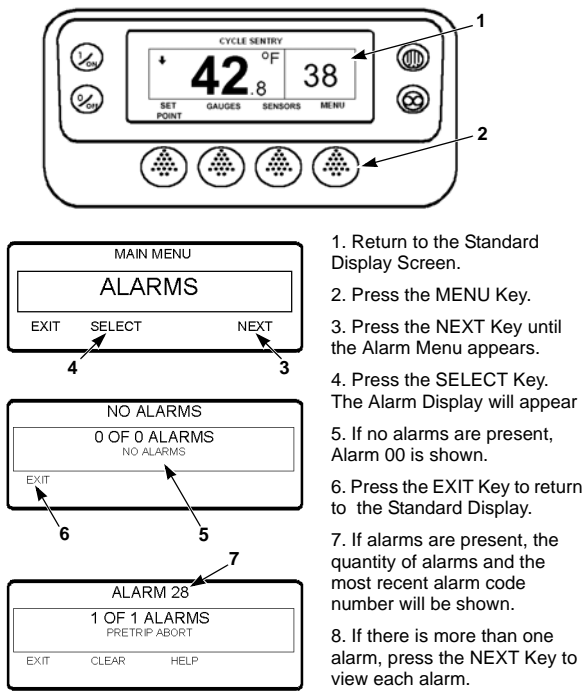
3. Scroll through Main Menu by repeatedly pressing the NEXT and BACK Keys until the hourmeters Main Menu Screen appears.

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.

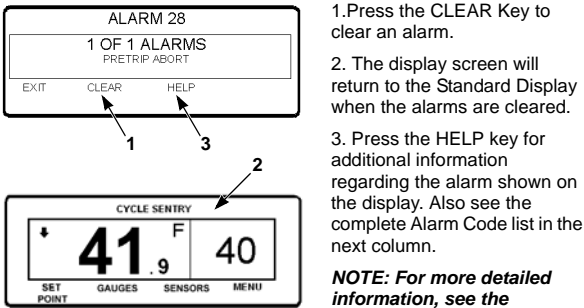
Simple to View:
Cause of Alarm



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



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
- 2 Evaporator Coil Sensor
- 3 Control Return Air Sensor
- 4 Control Discharge Air Sensor
- 5 Ambient Air Sensor
- 6 Coolant Temp Sensor
- 7 Engine RPM Sensor
- 9 High Evaporator Temperature
- 10 High Discharge Pressure
- 11 Unit Controlling on Alternate Sensor
- 12 Sensor or Digital Input Shutdown
- 13 Sensor Check
- 15 Check Glow Plugs/Intake Air Heater
- 17 Engine Failed to Crank
- 18 High Engine Coolant Temperature
- 19 Low Engine Oil Pressure
- 20 Engine Failed to Start
- 21 Cooling Cycle Check
- 22 Heating Cycle Check
- 23 Cooling Cycle Fault
- 24 Heating Cycle Fault
- 25 Alternator Check
- 26 Refrigeration Capacity
- 28 Pretrip or Self Check Abort
- 29 Defrost Damper Circuit
- 30 Defrost Damper Stuck
- 31 Oil Pressure Switch
- 32 Refrigeration Capacity Low
- 33 Check Engine RPM
- 35 Run Relay Circuit
- 36 Electric Motor Failed to Run
- 37 Engine Coolant Level
- 38 Electric Phase Reversed
- 39 Water Valve Circuit
- 40 High Speed Circuit
- 41 Check Engine Coolant Temperature
- 42 Unit Forced to Low Speed
- 43 Unit Forced to Low Speed Modulation
- 44 Check Fuel System
- 45 Hot Gas Bypass or Hot Gas Bypass Circuit
- 46 Check Air Flow
- 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

- 89 Check Electronic Throttling Valve Circuit
- 90 Electric Overload
- 91 Electric Ready Input
- 92 Sensor Grades Not Set
- 93 Low Compressor Suction Pressure
- 94 Loader #1 Circuit
- 95 Loader #2 Circuit
- 96 Low Fuel Level
- 98 Fuel Level Sensor
- 99 High Compressor Pressure Ratio
- 108 Door Open Time-out
- 111 Unit Not Configured Correctly
- 113 Electric Heat Circuit
- 114 Multiple Alarms - Cannot Run
- 117 Auto switch from Diesel to Electric
- 118 Auto switch from Electric to Diesel
- 120 Alternator Exciter Circuit
- 121 Liquid Injection Circuit
- 122 Diesel/Electric Relay Circuit
- 127 Setpoint Not Entered
- 128 Engine Run Time Maintenance Reminder #1
- 129 Engine Run Time Maintenance Reminder #2
- 130 Electric Run Time Maintenance Reminder #1
- 131 Electric Run Time Maintenance Reminder #2
- 132 Total Unit Run Time Maintenance Reminder #1
- 133 Total Unit Run Time Maintenance Reminder #2
- 134 Controller Power On Hours
- 135 Check Spare Digital Inputs
- 136 Check Spare Digital Outputs
- 137 Check Damper Motor Heater Output
- 141 Autoswitch Diesel to Electric Disabled
- 145 Loss of Controller "On" Feedback Signal
- 146 Software Version Mismatch
- 148 Autoswitch Electric to Diesel Disabled
- 149 Alarm Not Identified
- 150 Out of Range Low
- 151 Out of Range High
- 157 OptiSet Plus Mismatch
- 203 Display Return Air Sensor
- 204 Display Discharge Air Sensor
- 252 Check Fresh Air Exchange Circuit

SR-3
Smart Reefer 3
Microprocessor



Driver Guide to
Simple
Operation

