OPERATING THE THERMOGUARD μP-V MICROPROCESSOR





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CHANGING THE SETPOINT

1. Turn unit On/Off Switch"on".

2. Press Up and Down Arrow keys to chose the new setpoint.

3. Press the Enter key. The display will briefly show [LOAD], and then the new setpoint will reappear.

SELECTING CYCLE SENTRY OR CONTINUOUS MODE

1. Turn unit On/Off switch "on".

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

3. Press the Up or Down Arrow key to select the desired mode. [YES] = Cycle Sentry mode, [NO] = Continuous mode.

4. Press the Enter key. The display will briefly show [LOAD], and then the new mode will reappear.

STARTING THE ENGINE

1. Turn the unit On/Off switch "on". If no other key is pressed, the engine will automatically preheat and start in about 10 seconds.

CAUTION: The engine starts automatically in both Cycle Sentry and Continuous mode any time the On/Off switch is "on".

MANUAL DEFROST CYCLE

1. Turn unit On/Off switch "on".

2. Press the Select key to display [dEF].

3. Press the Enter key. The display will briefly show [LOAD], and then the unit will enter a defrost cycle. The defrost cycle will terminate automatically.

VIEWING PROMPT & DISPLAY SCREENS

1. Turn the unit "on".

2. Press the Select key to view the prompt and display screens as follows:

[dEF]	Defrost Prompt*
[CYCLS]	Cycle Sentry Prompt
[DIS.A]	Discharge Air Temperature
[TPDF]	Temperature Differential
[COIL]	Evaporator Coil Temperature
[AMB.T]	Ambient Air Temperature
[SPR.1]	Spare Sensor 1
[SPR.2]	Spare Sensor 2
[BATV]	Battery Voltage
[RPM]	Engine RPM
[DEFI]	Defrost Interval In Range
[DEFN]	Defrost Interval Not In Range
[DDUR]	Defrost Duration
[MVST]	Mod Valve Close on Start*

* = May not always appear

 78 Internal Fault Code, Dealer Resettable 79 Data Log Overflow 84 Restart Null Place the optional On/Off/Sleep switch in the "Sleep" position. The display will start and stop 15LEEP MODE]. The unit will start and stop 16 Keep the engine warm and battery 		Cooling Cycle Check Heating Cycle Check Cooling Cycle Fault Alternator Check Check Retrigeration Capacity Pretrip Abort Defrost Damper Circuit Defrost Damper Circuit Defrost Damper Circuit Defrost Damper Circuit Pressure Switch Oil Pressure Switch
Check Belts/Clutch Reset Clock Test Mode Timeout Test Mode Timeout Check Engine Speeds Battery Check Engine Stopped - Reason Unknown Pretrip Reminder Hourmeter 5 Exceeds set limit Hourmeter 5 Exceeds set limit Hourmeter 6 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 6 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 6 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 7 Exceeds set limit Hourmeter 8 Exceeds set limit Hourmeter 8 Exceeds set limit Hourmeter 9 Exceeds set limit Hourmeter 9 Exceeds set limit Hourmeter 9 Exceeds set limit Hourmeter 8 Exceeds set limit Hourmeter 9 Exceeds set limit	ム 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Mo Fault Micro Power Up (Data Log Only) Evaporator Coil Sensor Return Air Sensor Discharge Air Sensor Engine Water Temp Sensor Engine RPM Sensor High Evaporator Temp High Evaporator Temp Check Sensor Calibration Check Sen
ALARM CODES		ALARM CODES

ΝΟΙΤΑΜΆΟΗΝΙ ΙΑΝΟΙΤΙΟΠΑ

SWITCH IS ON, UNIT MAY START ANYTIME

CAUTION: WHEN

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and Diagnostic Manuals for your unit. Thermo King Operating, Maintenance, Parts For additional information consult the

CODES **WIEWING & CLEARING ALARM**

have been detected. 1. If the Alarm Icon is "on", alarm conditions

any alarm codes shown. any additional alarm codes. Always record code. Press the Code key again to display 2. Press the Code key to display the alarm

clear the alarm. shown in the display, press the Clear key to alarm code again. When the alarm code is corrected, press the Code key to display the 4. After the alarm condition has been

ΓΟΙΙΟΙΟΙΟ Α ΡΑΕΤRIP TEST

1. Turn the unit On/Off Switch "on".

Clear any alarm codes that may exist.

TRIP] will appear. seconds. The Pretrip prompt screen [PrE the Thermo King Logo key for at least 3 3. Before the engine starts, press and hold

then the test will begin. The display will briefly show [LOAD] and 4. Press the Enter key to start a Pretrip test.

appear on the display. complete [PASS], [CHEC] or [FAIL] will 5. The test is fully automatic. When it is

correct any alarm codes and repeat the test. 6. If [CHEC] or [FAIL] appears, display and

Air Flow Check

Hot Gas Circuit

Fuel System Check

High Speed Circuit

Unit Forced to Low Speed

Electric Phase Reversed

Unit Forced to Low Speed Modulation

Engine Water Temperature Check

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