

MANUAL DEFROST CYCLE

1. Turn the Zone 1/ Host Switch "on".
NOTE: The switch for the zone you intend to defrost must also be turned "on".
2. Press the Select key to display [dEF] for the desired zone.
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 Zone 1/ Host switch "on".
2. Press the Select key to view the prompt and display screens as follows:

[DEF1]	Defrost Prompt Zone 1
[CYCLS]	Cycle-Sentry Prompt
[Zone 2]	Standard Display Zone 2
[DEF2]	Defrost Prompt Zone 2
[Zone 3]	Standard Display Zone 3
[DEF3]	Defrost Prompt Zone 3
[AMB.T]	Ambient Air Temperature
[BATV]	Battery Voltage
[RPM]	Engine RPM
[HED.P]	Discharge Pressure
[RET.A]	Return Air Temp Zone 1
[DIS.A]	Discharge Air Temp Zone 1
[TPDF]	Temp Differential Zone 1
[COIL]	Coil Temp Zone 1
[RET.A]	Return Air Temp Zone 2
[DIS.A]	Discharge Air Temp Zone 2
[TPDF]	Temp Differential Zone 2
[COIL]	Coil Temp Zone 2
[RET.A]	Return Air Temp Zone 3
[COIL]	Coil Temp Zone 3

CHANGING THE SETPOINT

1. Turn all Zone Switches "on".
2. Press the Select Key to chose the zone to be changed.
3. Press the Up and Down Arrow keys to chose the new setpoint for the zone shown.
4. Press the Enter key. The display will briefly show [LOAD], and then the new setpoint will reappear.

SELECTING CYCLE-SENTRY OR CONTINUOUS MODE

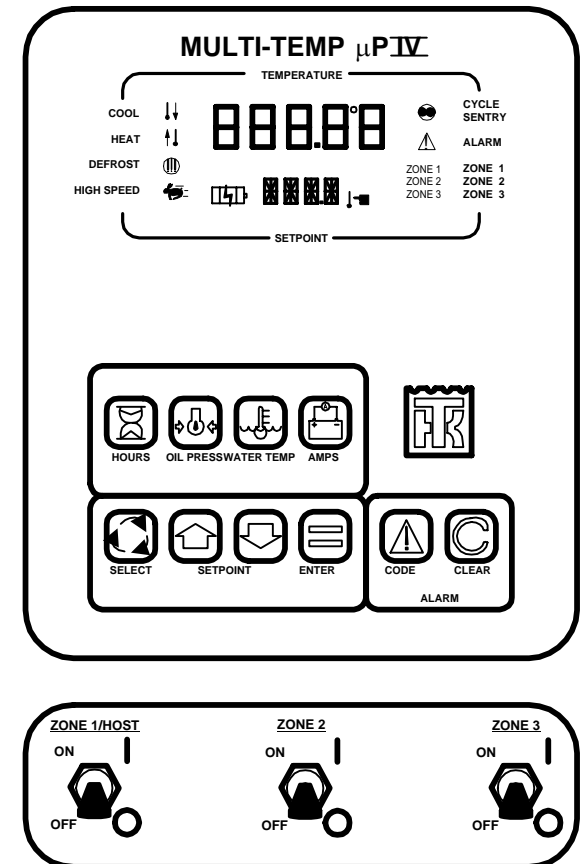
1. Turn the Zone 1/ Host switch "on".
2. Press the Select key to display [CYCLS] and [YES] or [nO].
3. Press the Up or Down Arrow key to select the desired mode. [YES] = Cycle-Sentry, [nO] = Continuous.
4. Press the Enter key. The display will briefly show [LOAD], and then the new mode will reappear.

STARTING THE ENGINE

1. Turn the Zone 1/ Host 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 either Cycle-Sentry or Continuous mode.

OPERATING THE THERMOGUARD MULTI-TEMP μ P-IV MICROPROCESSOR



Used on:
SB-III DE, SB-III TC/TCI,
Super-II TC/TCI, Spectrum DE,
Spectrum SB, & Spectrum Super-II

VIEWING & CLEARING ALARM CODES

1. If the Alarm Icon is "on", alarm conditions have been detected.
2. Press the Code key. The Alarm Screen and Alarm Code will appear. Press the Code key again to display any additional alarm codes. Always record any alarm codes shown. They are invaluable to the service technician.
3. After the alarm condition has been corrected, press the Code key to display the alarm code again. When the alarm code is shown in the display, press the Clear key to clear the alarm.

RUNNING A PRETRIP TEST

1. Turn all Zone Switches "on".
2. Clear any alarm codes that may exist.
3. Before the engine starts, press and hold the Thermo King Logo key for at least 3 seconds. The Pretrip prompt screen will appear.
4. Press the Enter key to start a Pretrip test. The display will briefly show [LOAD] and then the test will begin.
5. The test is fully automatic. When complete, [PASS], [CHEC] or [FAIL] will appear on the display.

ALARM CODES

00	No fault
02	Evaporator coil sensor
03	Return air sensor
04	Discharge air sensor
05	Ambient air sensor
06	Engine water temp sensor
07	Engine RPM sensor
08	Unit controlling on coil sensor
09	High evaporator temp
10	High discharge pressure
11	Unit controlling on discharge air sensor
12	Sensor shutdown
13	Check sensor calibration
15	Glow plug check
17	Engine failed to crank
18	High engine water temp
19	Low engine oil pressure
20	Engine failed to start
21	Cooling cycle check
22	Heating cycle check
25	Alternator check
28	Pretrip abort
29	Defrost damper circuit
30	Damper stuck closed
31	Oil pressure switch
32	Refrigeration capacity low
33	Check engine RPM
35	Run Relay circuit
36	Electric motor failed to run
37	Check engine water level
38	Electric phase reversed
40	High speed circuit
41	Engine water temperature check
42	Unit forced to low speed
44	Fuel system check
45	Hot gas circuit
47	Zone sensor shutdown
50	Reset clock
52	Heat circuit
54	Test Mode timeout
55	Check engine speeds

ALARM CODES

61	Battery check
62	Ammeter out of calibration range
63	Engine stopped - reason unknown
64	Pretrip Reminder
66	Low engine oil level
67	Liquid line solenoid
68	Internal fault code
70	Hourmeters exceed 99999
73	Hourmeter 6 exceeds set limit
74	Microprocessor reverted to default settings
75	Internal fault code, dealer resettable
76	Internal fault code, dealer resettable
77	Internal fault code, dealer resettable
78	Internal fault code, dealer resettable
79	Data log overflow
105	Receiver tank pressure solenoid
106	Purge valve
107	Condenser inlet solenoid
108	Door open timeout
109	High discharge pressure or sensor
110	Suction line solenoid
111	Unit not configured correctly
112	Remote fan zone 2 or 3
113	Electric heat
114	Multiple alarms - can not run

ADDITIONAL INFORMATION

For additional information consult the following Thermo King manuals for your unit.

Operating Manual

Maintenance Manual

Parts Manual

Operation and Diagnosis Manual