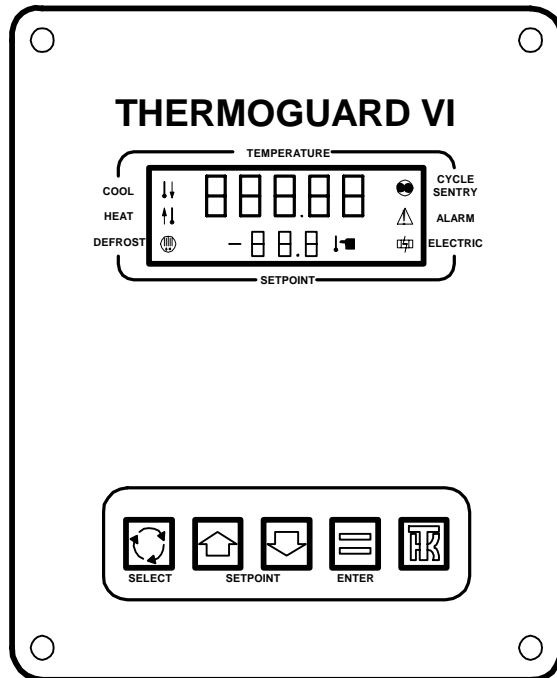


OPERATING THE THERMOGUARD TG-VI MICROPROCESSOR



Used on:
SB-III MAX+
Super-II MAX+

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 [Lod], and then the new setpoint will reappear.

SELECTING CYCLE SENTRY OR CONTINUOUS MODE ON UNITS EQUIPPED WITH CYCLE SENTRY

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, [nO] = Continuous.
4. Press the Enter key. The display will briefly show [Lod], and then the new mode will reappear.

STARTING THE ENGINE ON UNITS EQUIPPED WITH CYCLE SENTRY

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 either Cycle Sentry or Continuous mode.

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 [Lod], and then the unit will enter a defrost cycle. The defrost cycle will terminate automatically.

VIEWING PROMPT & DISPLAY SCREENS

1. Turn unit On/Off switch "on".
2. Press the Select key to view the prompt and display screens as follows:

[Alr]	Alarm codes if any
[dEF]	Defrost prompt
[CYCLS]	Cycle Sentry prompt (not on units without Cycle Sentry)
[dIS]	Discharge air temperature
[tLH]	Total unit hours
[EnH]	Diesel engine hours
[ELH]	Electric hours
[Hr4]	Hourmeter 4 if enabled
[Hr5]	Hourmeter 5 if enabled
[Hr6]	Hourmeter 6 if enabled
[oIL]	Engine oil pressure
[EnT]	Engine coolant temperature
[rPn]	Engine RPM
[bAt]	Battery voltage
[CoL]	Evaporator coil temperature
[dFI]	Initial defrost interval
[ddr]	Defrost duration

VIEWING & CLEARING ALARM CODES

1. Turn unit On/Off Switch "on".
2. If the Alarm Icon is "on", alarm conditions have been detected
3. Press the Select key. The Alarm Screen and alarm code will appear. If more than one alarm is present, each will be displayed for several seconds. Always record any alarm codes shown. They are invaluable to the service technician.
4. After the alarm condition has been corrected, press the Select key to display the alarm code. When the alarm code is shown in the display, press the Enter key to clear the alarm.

RUNNING A UNIT SELF CHECK

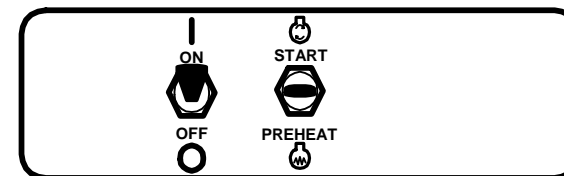
1. Turn unit On/Off switch "on".
2. The engine must be running. Clear any alarm codes that may exist.
3. Press and hold the Thermo King Logo key for at least 3 seconds. The Unit Self Check prompt screen will appear.
4. Press the Enter key to start a Unit Self Check test. The display will briefly show [Lod] and the test will begin.
5. The test is fully automatic. When complete, [PASS], [CHEC] or [FAIL] will appear on the display.

TG-VI ALARM CODES

00	No fault
02	Evaporator coil sensor
03	Return air sensor
04	Discharge 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
16	Manual start not completed
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
23	Cooling cycle fault
24	Heating cycle fault
25	Alternator check
28	Unit Self Check abort
31	Oil pressure sensor
32	Refrigeration capacity low
33	Check engine RPM
34	Check modulation circuit
35	Run Relay circuit
36	Electric motor failed to run
37	Check engine water level
38	Electric phase reversed
40	High speed circuit
52	Heat circuit
54	Test Mode timeout
61	Battery check
63	Engine stopped - reason unknown
66	Low engine oil level
70	Hourmeters exceed 99999
71	Hourmeter 4 exceeds set limit
72	Hourmeter 5 exceeds set limit
73	Hourmeter 6 exceeds set limit
74	Microprocessor reverted to default settings
77	Internal fault code, dealer resettable

UNITS NOT EQUIPPED WITH CYCLE SENTRY

Units not equipped with Cycle Sentry have a Preheat/Start switch.



Press the switch to "Preheat" to energize the glow plugs to preheat the engine. For temperatures from 32°F to 0°F preheat the engine for 30 seconds. For temperatures below 0°F preheat the engine for 60 seconds. Press the switch to "Start" to crank the engine.

ADDITIONAL INFORMATION

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

Operating Manual

Maintenance Manual

Parts Manual

TG-VI Operation and Diagnosis Manual

TK 41017