

## Thermo King Alarm Codes

### For the following units:

SB-III 30 SR+, SB-III 30 SR TCI-2, Super II 30 SR+ Thermoguard  $\mu$ P IV, Super II SR TCI-2 Thermoguard  $\mu$ P IV, SB-190, SB-200, SB-300, SB-400, Super II 190 Thermoguard  $\mu$ P VI Controller and SB-210, SB-310. SB-410 with SR-2 Controller.

- |     |  |      |  |
|-----|--|------|--|
| 0.  | No Alarms Exist                          | 52.  | Heat Circuit                                   |
| 2.  | Evaporator Coil Sensor                   | 53.  | Economizer Valve Circuit                       |
| 3.  | Control Return Air Sensor                | 54.  | Test Mode Time-Out                             |
| 4.  | Control Discharge Air Sensor             | 55.  | Check Engine Speeds                            |
| 5.  | Ambient Air Sensor                       | 61.  | Low Battery Voltage Check                      |
| 6.  | Coolant Temperature Sensor               | 62.  | Ammeter Out of Calibration Range               |
| 7.  | Engine RPM Sensor                        | 63.  | Engine Stopped – Reason Unknown                |
| 9.  | High Evaporator Temperature              | 64.  | Pretrip Reminder                               |
| 10. | High Discharge Pressure                  | 66.  | Low Engine Oil Level                           |
| 11. | Unit Controlling on Alternate Sensor     | 67.  | Liquid Line Solenoid                           |
| 12. | Sensor Shutdown                          | 70.  | Hourmeters Failure                             |
| 13. | Sensor Check                             | 71.  | Maintenance Hourmeter 4 Exceeds Set Time Limit |
| 15. | Glow Plug Check/Intake Air Heater        | 72.  | Maintenance Hourmeter 5 Exceeds Set Time Limit |
| 17. | Engine Failed to Crank                   | 73.  | Maintenance Hourmeter 6 Exceeds Set Time Limit |
| 18. | High Engine Coolant Temperature          | 74.  | Controller Reset to Defaults                   |
| 19. | Low Engine Oil Pressure                  | 75.  | Internal Fault Codes                           |
| 20. | Engine Failed to Start                   | 76.  | Internal Fault Codes                           |
| 21. | Cooling Cycle Check                      | 77.  | Internal Fault Codes                           |
| 22. | Heating Cycle Check                      | 78.  | Internal Fault Codes                           |
| 23. | Cooling Cycle Fault                      | 79.  | Data Log Overflow                              |
| 24. | Heating Cycle Fault                      | 80.  | Compressor Temperature Sensor                  |
| 25. | Alternator Check                         | 81.  | High Compressor Temperature                    |
| 26. | Refrigeration Capacity Check             | 82.  | High Compressor Temperature Shutdown           |
| 27. | Motor RPM High                           | 83.  | Low Coolant Temperature                        |
| 28. | Pre-Trip Abort                           | 84.  | Restart Null                                   |
| 29. | Defrost Damper Circuit                   | 85.  | Forced Unit Operation                          |
| 30. | Defrost Damper Stuck Closed              | 86.  | Discharge Pressure Sensor                      |
| 31. | Oil Pressure Switch                      | 87.  | Suction Pressure Transducer                    |
| 32. | Refrigeration Capacity Low               | 89.  | Electronic Throttling Valve Circuit            |
| 33. | Check Engine RPM                         | 90.  | Electric Overload                              |
| 35. | Run Relay Circuit                        | 91.  | Electric Ready Input                           |
| 36. | Electric Motor Failed to Run             | 92.  | Sensor Grades Not Set                          |
| 37. | Engine Coolant Level                     | 93.  | Low Compressor Suction                         |
| 38. | Electric Phase Reversed                  | 94.  | Loader #1                                      |
| 39. | Water Valve Circuit                      | 95.  | Loader #2                                      |
| 40. | High Speed Circuit                       | 96.  | Low Fuel Level                                 |
| 41. | Check Engine Coolant Temperature         | 98.  | Fuel Level Sensor                              |
| 42. | Unit Forced to Low Speed                 | 99.  | High Compressor Pressure Ratio                 |
| 43. | Unit Forced to Low Speed Modulation      | 108. | Door Open Time-Out                             |
| 44. | Check Fuel System                        | 109. | High Discharge Pressure                        |
| 45. | Hot Gas Bypass or Hot Gas Bypass Circuit | 111. | Unit Configuration                             |
| 46. | Check Air Flow                           | 117. | Auto Switch to Electric                        |
| 48. | Check Belts or Clutch                    | 118. | Auto Switch to Diesel                          |
| 50. | Reset Clock                              | 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. | Power On Hours                                 |
|     |  | 135. | Spare Digital Inputs                           |
|     |  | 136. | Spare Digital Outputs                          |
|     |  | 203. | Display Return Air Sensor                      |
|     |  | 204. | Display Discharge Air Sensor                   |

**If unit does not re-start and all codes have been cleared call RoadWatch™ for 24/7 support at 1-800-325-1453, press option 1.**