

All alarms should be reported on a daily basis. Also, all alarms should be recorded prior to being cleared.

The information provided herein is a recommendation only. Always follow your company's guidelines whenever an alarm occurs.

Whenever and asterisk (*) appears, that alarm can be reset by placing the START/RUN – OFF switch in the OFF position and then back in the START/ RUN POSITION.

GREEN = Notification

Alarm **YELLOW** =

Caution Alarm

RED = Shut Down Alarm (or Alarm Only, as Configured)

NO.	MESSAGE	DESCRIPTION
DRIVER ALARMS		
00001	Low Fuel Level Warning	Add fuel, alarm will clear.
00002	Low Engine Oil Level Warning	Add oil, alarm will clear.
00003	Low Coolant Level	Check and repair at end of trip.
00004	Low Refrigerant Level	Report and repair immediately.
SHUTDOWN ALARMS		
00011	Check/Low Engine Oil Pressure	Unit will restart*, report reactivation.
00012	High Coolant Temp	Unit will restart*, report reactivation.
00013	High Discharge Pressure	Unit will restart*, report reactivation.
00014	High A/C Amps	Unit will restart*, report reactivation.
00015	Battery Voltage Too High	Report and repair immediately.
00016	Battery Voltage Too Low	Report and repair immediately.
00017	High Comp Disch Temp	Unit will restart*, report reactivation.
00018	Low Refrigerant Press	Unit will restart*, report reactivation.
00019	Low Fuel Shutdown	Add fuel, unit will restart*.
00020	Maximum Compr Alarms	Report and repair immediately.
00021	Technician Reset Required	Report and repair immediately.
00022	Low Suction Superheat	Unit will restart*, report reactivation.
00023	A/C Current Over Limit	Unit will restart*, report reactivation.
00024	Compression Ratio Exceeded	Unit will restart*, report reactivation.
00027	High Suction Pressure	Unit will restart*, report reactivation.
00028	Check Refrig System	Unit will restart*, report reactivation.
00029	Check Heat Cycle	Reset, report reactivation
START-UP / ENGINE ALARMS		
00030	Failed To Run Min Time	Report and repair immediately.
00031	Failed To Start – Auto Mode	Report and repair immediately.
00032	Failed To Start – Manual	Turn switch off then back on, unit will start automatically.

00034	Engine Failed to Stop	Move fuel arm to stop position (if equipped) or report & repair immediately.
00035	Check Starter Circuit	Report and repair immediately.
00036	Check Coolant Temp	Check and repair at end of trip.
00037	Check Low Speed RPM	Check and repair at end of trip.
00038	Check High Speed RPM	Check and repair at end of trip.
00039	Check Engine RPM	Unit will restart*, report reactivation.
00040	Check Engine Preheat Circuit	Unit will restart, report reactivation.

NO.	MESSAGE	DESCRIPTION
00041	Engine Stalled	Unit will restart*, report reactivation.
WARNING / STATUS ALARMS		
00051	Alternator (Battery Charger) Not Charging	Report and repair immediately.
00053	Box Temp Out of Range	Reset*, report reactivation.
00054	Defrost Not Complete	Check and repair at end of trip.
00055	Check Defrost Air Switch	Check and repair at end of trip.
00056	Check Evaporator Air Flow	Unit will restart*, report reactivation.
00057	Check Remote Switch 1	Close all compartment doors, unit should restart. If unit is shutdown, repair immediately
00058	Check Remote Switch 2	
00059	Datalogger Not Recording	Check and repair at end of trip.
00060	Datalogger Time Wrong	Check and repair at end of trip.
00061	Door Open	Close all compartment doors, unit should restart. If unit is shutdown, repair immediately.
00062	C2 Box Temp Out of Range	Reset*, report reactivation.
00063	C3 Box Temp Out of Range	Reset*, report reactivation.
ELECTRICAL ALARMS		
00071	Bad F2 or F3 Fuse	Report and repair immediately.
00072	Bad F4 or F6 Fuse	Report and repair immediately.
00073	No A/C Power – Check Cord	Switch to Diesel Operation & Repair
00074	AC Phase Reversed	Unit will restart*, report reactivation.
00075	Compressor Motor Overload	Unit will restart*, report reactivation.
00076	Condenser Motor Overheated	Unit will restart*, report reactivation.
00077	Evap Motor Overheated	Unit will restart*, report reactivation.
00078	Check SV1 Circuit	Reset*, report reactivation.
00079	Check SV4 Circuit	Reset*, report reactivation.
00080	Check SV3 Circuit	Reset*, report reactivation.
00081	Check FHR Circuit	Check and repair at end of trip.
00082	Check Remote Out of Range Light	Check and repair at end of trip.
00083	Check Remote Defrost Light	Check and repair at end of trip.
00084	Check Remote Alarm Light	Check and repair at end of trip.
00085	Check UL1 Circuit	Check and repair at end of trip.
00086	Check UL2 Circuit	Check and repair at end of trip.
00087	Check Remote Heat Light	Check and repair at end of trip.
00088	Check Remote Cool Light	Check and repair at end of trip.
00089	Check Remote Auto Light	Check and repair at end of trip.
00090	Check AFA Solenoid Circuit	Check and repair at end of trip.

00091	Check 1HTCON1 Relay Coil	Reset*, report reactivation.
00092	Check 1HTCON2 Relay Coil	Reset*, report reactivation.
00093	Check Start Up Buzzer	Report and repair immediately.

NO.	MESSAGE	DESCRIPTION
ELECTRICAL ALARMS (continued)		
00094	Check Comp Contactor 1	Reset*, report reactivation.
00095	Check CDCON Relay Coil	Reset*, report reactivation.
00096	Check GENCONR Relay Coil	Reset*, report reactivation.
00097	Check SV2 Circuit	Reset*, report reactivation.
00098	Check High Temperature Thermostat	Reset*, report reactivation.
00099	Check Standby Contactor	Reset*, report reactivation.
00100	Overload/Ground Fault	Report and repair immediately.
00101	C2 Evap Motor Overheated	Report and repair immediately.
00102	C3 Evap Motor Overheated	Report and repair immediately.
00103	Check 2HTCON1 Relay Coil	Reset*, report reactivation.
00104	Check 2HTCON2 Relay Coil	Reset*, report reactivation.
00105	Check 3HTCON1 Relay Coil	Reset*, report reactivation.
00106	Check 3HTCON2 Relay Coil	Reset*, report reactivation.
00107	Check 2LSV Circuit	Reset*, report reactivation.
00108	Check 3LSV Circuit	Reset*, report reactivation.
00109	Check 1EVCON Relay Coil	Reset*, report reactivation.
00110	Check 2EVCON Relay Coil	Reset*, report reactivation.
00111	Check 3EVCON Relay Coil	Reset*, report reactivation.
00112	Check Bypass Circuit	Reset, report reactivation.
00113	Check Economizer Circuit	Reset, report reactivation.
00114	Check LIV Circuit	Reset, report reactivation.
00117	Check DCR2 Circuit	Reset, report reactivation.
SENSOR ALARMS		
00121	Check Ambient Air Sensor	Check and repair at end of trip.
00122	Check Return Air Sensor	If shut down, repair immediately. Otherwise, report and repair at end of trip.
00123	Check Supply Air Sensor	
00124	Check Defrost Termination 1 Sensor	Check and repair at end of trip.
00125	Check Comp Discharge Sensor	Check and repair at end of trip.
00126	Check Fuel Sensor Circuit	Check and repair at end of trip.
00127	Check Suction Temp Sensor	Check and repair at end of trip.
00128	Low/Unbalanced A/C Amps	Check and repair at end of trip.
00129	Check Engine Coolant Sensor	Check and repair at end of trip.
00130	Check Engine RPM Sensor	If shut down, repair immediately. Otherwise, report and repair at end of trip.
00131	Check Evap Temp Sensor	Check and repair at end of trip.

00132	Check Defrost Termination 2 Sensor	Check and repair at end of trip.
00133	Check Remote Temp Sensor 1	Check and repair at end of trip.
00134	Check Remote Temp Sensor 2	Check and repair at end of trip.
00135	Check Remote Temp Sensor 3	Check and repair at end of trip.
00136	C2 Check Supply Air Sensor	Check and repair at end of trip.
00137	C2 Check Return Air Sensor	Reset*, report reactivation.
00138	C3 Check Return Air Sensor	Reset*, report reactivation.
00139	C2 Check Defrost Sensor	Check and repair at end of trip.
00140	C3 Check Defrost Sensor	Check and repair at end of trip.
PRETRIP ALARMS		
P00141	Pretrip Stopped By User	Report and repair immediately.



APX Alarms



NO.	MESSAGE	DESCRIPTION
WARNING/STATUS ALARMS 4000 – 4999		
04000	Check Remote Switch 3	Reset, report reactivation.
04001	Check Remote Switch 4	Reset, report reactivation.
04002	High Economizer Superheat	Reset, report reactivation.
04004	No Setpoint Change	Reset, report reactivation.
04005	No Setpoint Change C2	Reset, report reactivation.
04006	No Setpoint Change C3	Reset, report reactivation.
ELECTRICAL ALARMS 5000 – 5999		
05002	Fuel Pump Relay	Report and repair immediately.
05003	Diesel / Electric Relay	Report and repair immediately.
05004	Bad F13 Fuse	Reset, report reactivation.
05005	Bad F9 Fuse	Reset, report reactivation.
05006	Bad F5 Fuse	Report and repair immediately.
05007	Bad F3 Fuse	Report and repair immediately.
05008	Bad F10 Fuse	Report and repair immediately.
05009	Check Standby Contactor 1	Report and repair immediately.
05010	Check Standby Contactor 2	Report and repair immediately.

05011	Check High Speed Control Circuit	Report and repair immediately.
05012	Check ENSCU Power Circuit	Report and repair immediately.
05013	Check Clutch Circuit	Report and repair immediately.
05014	Check Starter Solenoid Circuit	Report and repair immediately.
05015	Check Hot Gas Valve Circuit	Report and repair immediately.
05016	Check Remote Amber Light	Reset, report reactivation.
05017	Check Eng Preheat Enable Circuit	Reset, report reactivation.
05018	Check Power Enable Control	Reset, report reactivation.
05019	Check CDCON Relay Coil Two	Reset, report reactivation.
05020	Check Htr Cntr One	Reset, report reactivation.
05021	Check Htr Cntr Two	Reset, report reactivation.
05022	C2 Check High Temp Thermostat	Reset, report reactivation.
05023	C3 Check High Temp Thermostat	Reset, report reactivation.
05024	Check Standby Contactor	Report and repair immediately.
05025	Check Standby Contactor	Report and repair immediately.
ELECTRICAL ALARMS 5000 – 5999		
06000	Cond. Motor 2 Overheated	Report and repair immediately.
06001	Check Light Bar	Reset, report reactivation.
SENSOR ALARMS 7000 – 7999		
07000	Economizer Temp Sensor	Reset, report reactivation.
07001	Economizer Press Sensor	Reset, report reactivation.
07002	C3 Chk Supply Air Sensor	Reset, report reactivation.
07003	C2 Chk Evap Temp Sensor	Reset, report reactivation.
07004	C3 Chk Supply Air Sensor	Reset, report reactivation.
07006	Suction Pressure Sensor	Reset, report reactivation.
PRE- TRIP ALARMS 12000 – 14003		
P12000	C3 Chk Supply Air Sensor	Reset, report reactivation.
P12001	C2 Chk Evap Outlet Temp	Reset, report reactivation.
P12002	C3 Chk Evap Outlet Temp	Reset, report reactivation.
P13000	Check Condenser Fan 2 Circuit	Report and repair immediately.
P14000	C2 Chk Evap1 Superheat	Reset, report reactivation.
NO.	MESSAGE	DESCRIPTION
PRETRIP ALARMS (continued)		
P00198	Low Discharge Pressure	Report and repair immediately.
P00199	C2 Chk Return Air Sensor	Report and repair immediately.
P00200	Check UL1 Cylinders	Report and repair immediately.
P00201	Check UL2 Cylinders	Report and repair immediately.

P00202	High Side Leak	Report and repair immediately.
P00203	Check Discharge Check Valve	Report and repair immediately.
P00204	Low Suction Pressure	Report and repair immediately.
P00205	Check Defrost Term 2 Sensor	Report and repair immediately.
P00206	Check Condenser Fan Circuit	Report and repair immediately.
P00207	Check Comp Contact Circuit	Report and repair immediately.
P00208	Check Generator Cont Circ	Report and repair immediately.
P00209	Check Standby Cont Circuit	Report and repair immediately.
P00210	C3 Chk Return Air Sensor	Report and repair immediately.
P00211	C2 Check Defrost Sensor	Report and repair immediately.
P00212	C3 Check Defrost Sensor	Report and repair immediately.
P00213	Check Damper CR2 Circuit	Report and repair immediately.
P00214	Check Damper CR1 Circuit	Report and repair immediately.
P00215	Check Damper – Not Open	Report and repair immediately.
P00216	Check Damper – Not Closing	Report and repair immediately.
MAINTENANCE ALARMS		
00223	Engine Maintenance Due	Check and repair at end of trip.
00224	Standby Maintenance Due	Check and repair at end of trip.
00225	General Maintenance Due	Check and repair at end of trip.
00226	Service Soon PM 1 Due	Check and repair at end of trip.
00227	Service Soon PM 2 Due	Check and repair at end of trip.
00228	Service Soon PM 3 Due	Check and repair at end of trip.
00229	Service Soon PM 4 Due	Check and repair at end of trip.
00230	Service Soon PM 5 Due	Check and repair at end of trip.
MICROPROCESSOR ALARMS		
00232	Setpoint Error	Reset*, report reactivation.
00233	Model # Error	Reset*, report reactivation.
00237	Function Parameter Error	Reset*, report reactivation.
00238	Configurations Error	Reset*, report reactivation.
00242	Dis Press Calibrate Error	Reset*, report reactivation.
00243	Suct/Evap Calibrate Error	Reset*, report reactivation.
00244	Econo Calibrate Error	Reset*, report reactivation.
00245	Can Not Save Setting	Reset*, report reactivation.
00246	EEPROM Write Failure	Reset*, report reactivation.
00248	Config Mode / HP2 Error	Reset*, report reactivation.
00255	Microprocessor Error	Reset*, report reactivation.
DRIVER ALARMS 1000 – 1999; ALARMS 2000 – 2999		
02000	Update Software	Report and repair immediately.

02001	Rear Panel Shutdown Requested	Reset, report reactivation.
02002	Low Discharge Superheat	Reset, report reactivation.
02003	Display Module Error	Report and repair immediately.
START-UP/ENGINE ALARMS 3000 – 3999		
03000	Motor Overload 1	Report and repair immediately.
03001	Engine Load Calibration	Reset, report reactivation.
03002	Check Clutch Slip	Report and repair immediately.