

Table 31 — Alarm and Alert Codes

ALARM/ ALERT CODE	ALARM OR ALERT	DESCRIPTION	WHY WAS THIS ALARM GENERATED?	ACTION TAKEN BY CONTROL	RESET METHOD	PROBABLE CAUSE
T051	Alert	Circuit A, Compressor 1 Failure	Compressor feedback signal does not match relay state	Circuit A shut down.	Manual	High-pressure or loss-of-charge switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
T052	Alert	Circuit A, Compressor 2 Failure	Compressor feedback signal does not match relay state	Circuit A shut down. Circuit restarted in 1 minute. Compressor A2 not used until alarm is reset.	Manual	High-pressure switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
T053	Alert	Circuit A, Compressor 3 Failure	Compressor feedback signal does not match relay state	Circuit A shut down. Circuit restarted in 1 minute. Compressor A3 not used until alarm is reset.	Manual	High-pressure switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
T054	Alert	Circuit A, Compressor 4 Failure	Compressor feedback signal does not match relay state	Circuit A shut down. Circuit restarted in 1 minute. Compressor A4 not used until alarm is reset.	Manual	High-pressure switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
T055	Alert	Circuit B, Compressor 1 Failure	Compressor feedback signal does not match relay state	Circuit B shut down.	Manual	High-pressure or loss-of-charge switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
T056	Alert	Circuit B, Compressor 2 Failure	Compressor feedback signal does not match relay state	Circuit B shut down. Circuit restarted in 1 minute. Compressor B2 not used until alarm is reset.	Manual	High-pressure switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
T057	Alert	Circuit B, Compressor 3 Failure	Compressor feedback signal does not match relay state	Circuit B shut down. Circuit restarted in 1 minute. Compressor B3 not used until alarm is reset.	Manual	High-pressure switch open, faulty control relay or CPCS board, loss of condenser air, liquid valve closed.
A060	Alarm	Cooler Leaving Fluid Thermistor Failure (T1)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Chiller shutdown after pumpdown complete.	Automatic	Thermistor failure, damaged cable/wire or wiring error.
A061	Alarm	Cooler Entering Fluid Thermistor Failure (T2)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Chiller shutdown after pumpdown complete.	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T064	Alert	Circuit A Saturated Condensing Thermistor Failure (T3)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Circuit A shutdown after pumpdown complete.	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T065	Alert	Circuit B Saturated Condensing Thermistor Failure (T4)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Circuit B shutdown after pumpdown complete.	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T066	Alert	Circuit A Saturated Suction Thermistor Failure (T5)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Circuit A shutdown after pumpdown complete. (EXV only)	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T067	Alert	Circuit B Saturated Suction Thermistor Failure (T6)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Circuit B shutdown after pumpdown complete. (EXV only)	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T068	Alert	Compressor A1 Suction Gas Thermistor Failure (T7)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Circuit A shutdown after pumpdown complete. (EXV only)	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T069	Alert	Compressor B1 Suction Gas Thermistor Failure (T8)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Circuit B shutdown after pumpdown complete. (EXV only)	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T073	Alert	Outside Air Thermistor Failure (T9)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Temperature reset disabled. Chiller runs under normal control/set points.	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T074	Alert	Space Temperature Thermistor Failure (T10)	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Temperature reset disabled. Chiller runs under normal control/set points.	Automatic	Thermistor failure, damaged cable/wire or wiring error.
T077	Alert	Circuit A Saturated Suction Temperature exceeds Cooler Leaving Fluid Temperature	Saturated suction is greater than leaving fluid temperature for more than 5 minutes	Circuit A shutdown after pumpdown complete.	Automatic	Faulty expansion valve or EXV board, faulty cooler suction thermistor (T5) or leaving fluid thermistor (T1).
T078	Alert	Circuit B Saturated Suction Temperature exceeds Cooler Leaving Fluid Temperature	Saturated suction is greater than leaving fluid temperature for more than 5 minutes	Circuit B shutdown after pumpdown complete	Automatic	Faulty expansion valve or EXV board, faulty cooler suction thermistor (T6) or leaving fluid thermistor (T1).
T079	Alert	Lead/Lag Thermistor Failure	Thermistor outside range of -40 to 245 F (-40 to 118 C)	Lead/lag algorithm runs using Master LWT sensor Master is lead chiller.	Automatic	Dual chiller LWT thermistor failure, damaged cable/wire or wiring error.