

## EZ-1 controller alarm list with description

Alarm Display	Shutdown or Alarm	Description
Wrn Oil Press	Alarm	Warning Level of Oil Pressure Reached
Sd Oil Press	SD	Shutdown Level of Oil Pressure Reached
FIs Oil Press	Alarm	False Oil Pressure Sender Signal
Wrn Wtemp Low	Alarm	Warning Level of Water Temp Low
Wrn Water Temp	Alarm	Warning Level of Water Temp High
Sd Water Temp	SD	Shutdown Level of Water Temp High
FIs Water Temp	Alarm	False Water Temp Sender Signal
Wrn Fuel Level	Alarm	Warning Level for Low Fuel
Sd Fuel Level	SD	Shutdown Level of Low Fuel
FIs Fuel Level	Alarm	False Fuel Level Sender Signal
Emergency Stop	SD	Estop input Activated
Wrn Overload	Alarm	Warning Level of Overload Reached
Sd Overload	SD	Shutdown Level of Overload Reached
Sd Underspeed	SD	Shutdown Level for Underspeed Reached
Stop Fail	SD	Controller expects unit to be stopped but is not
Sd Overspeed	SD	Shutdown Level for Overspeed Reached
Wrn Batt Volt (high or low)	Alarm	Warning Level for battery volts
Wrn Vg1 Under	Alarm	Warning Level for Phase 1 under volts
Wrn Vg2 Under	Alarm	Warning Level for Phase 2 under volts
Wrn Vg3 Under	Alarm	Warning Level for Phase 3 under volts
Sd Vg1 Under	SD	Shutdown Level for Phase 1 under volts
Sd Vg2 Under	SD	Shutdown Level for Phase 2 under volts
Sd Vg3 Under	SD	Shutdown Level for Phase 3 under volts
Wrn Vg1 Over	Alarm	Warning Level for Phase 1 over volts

Alarm Display	Shutdown or Alarm	Description
Wrn Vg2 Over	Alarm	Warning Level for Phase 2 over volts
Wrn Vg3 Over	Alarm	Warning Level for Phase 3 over volts
Sd Vg1 Over	SD	Shutdown Level for Phase 1 over volts
Sd Vg2 Over	SD	Shutdown Level for Phase 2 over volts
Sd Vg3 Over	SD	Shutdown Level for Phase 3 over volts
Sd Igen Unbal	SD	Shutdown Level for Gen Current Unbalance
Sd Vgen Unbal	SD	Shutdown Level for Gen voltage Unbalance
Wrn Fgen Under	Alarm	Warning Level for Gen Under Frequency
Sd Fgen Under	SD	Shutdown Level for Gen Under Frequency
Wrn Fgen Over	Alarm	Warning Level for Gen over Frequency
Sd Fgen Over	SD	Shutdown Level for Gen over Frequency
Sd IDMT	SD	Shutdown for Delayed overcurrent
Sd Short Igen	SD	Shutdown for instantaneous overcurrent
Wrn ServiceTime	Alarm	Time to Service expired
Sd StartFail	SD	3 crank attempts elapsed no start
Wrn ECU Comm	Alarm	J1939 communication failure
G ph opposed	Alarm	Wrong generator phase sequence (L1,L2,L3)
Gen L1 neg	Alarm	Generator phase L1 is inverted
Gen L2 neg	Alarm	Generator phase L2 is inverted
Gen L3 neg	alarm	Generator phase L3 is inverted
G ph + L1 neg	Alarm	Wrong generator phase sequence (L1,L2,L3) and is inverted
G ph + L2 neg	Alarm	Wrong generator phase sequence (L1,L2,L3) and is inverted
G ph + L3 neg	Alarm	Wrong generator phase sequence (L1,L2,L3) and is inverted
ECU com Fail		Controller failed to communicate with Engine computer
ECU alarm	Alarm/SD	See ECU John Deere manual for correct codes

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Possible reason / solution

Low oil, faulty sender, engine issue / add oil, change sender, call Deere

Low oil, faulty sender, engine issue / add oil, change sender, call Deere

Sending unit bad, wiring / replace sender, check wiring

Block heater not functioning / check block heater

Low water level, t-stat, faulty sending unit, engine issue

Low water level, t-stat, faulty sending unit, engine issue

Temp below sending unit range, Sending unit faulty, wiring / no action required, replace sender, check wiring

Low fuel, faulty sender / add fuel replace sender

Low fuel, faulty sender / add fuel replace sender

Faulty sender, wiring / replace sender, check wiring

Estop pressed / release Estop

approaching overload / reduce load

gen overloaded / reduce load

gen overloaded, air in fuel, air cleaner.../ lower load bleed fuel, replace air cleaner,

Fuel rack stuck?

Slow reaction to unload / gov board reprogram

Charge replace battery, check alternator

Lug door open, gen issue

Lug door open, gen issue

Lug door open, gen issue

Lug door open, gen issue

Lug door open, gen issue

Lug door open, gen issue

Possible reason / solution

Volt reg issue, adjust setting after V-detect time delay

Volt reg issue, adjust setting after V-detect time delay

Volt reg issue, adjust setting after V-detect time delay

Volt reg issue, adjust setting after V-detect time delay

Volt reg issue, adjust setting after V-detect time delay

Generator load unbalanced, balance load on gen phases

Generator load unbalanced, balance load on gen phases

Generator overloaded, fuel, air, gen issue

Generator overloaded, fuel, air, gen issue

Slow reaction to unload / gov board reprogram

Slow reaction to unload / gov board reprogram

gen overloaded / reduce load check 2Inom delay setting/ wait for stability time delay

gen overloaded / reduce load check Ishort setting

Engine needs service / service, reset time to service

Fuel, air, engine issue /

Com bus wiring issue, JD ECU issue / check wiring, replace ECU

Generator phases L1,2,3 are not terminated in controller L1,2,3