

Fail Monitoring

Emergency stop
Multiple engage fail
Failed to start
Low oil pressure
High temperature
Speed failure
Voltage failure
Charging fail
Spare-1
Spare-2
Spare-3

Error

Spare-4
Spare-5
Spare-6
Over / under speed
Speed loss
Earth fault
Fuel level
Battery low
Battery high
Maintenance
Over current
Short circuit
Generator stop
Reverse power

Pre-Alarm

Generator temperature
Generator over / under voltage
Generator over / under frequency
Oil pressure
Over / under speed
Fuel level

Warning

Reverse power
Earth fault
Over current
Short circuit

Electrical trip

Reverse power
Earth fault
Over current
Short circuit

Alarm

Mains breaker not opened
Mains breaker not closed
Generator breaker not opened
Generator breaker not closed

Controls

Engine fuel supply and engine stopping
Starter motor
Automatic generator start
Load transfer to mains
Preheat
External alarm horn

Monitors

Three phase mains voltages
Three phase generator voltages
Three phase current input via internal transformer
Earth current via internal transformer
Mains frequency
Generator frequency
Battery voltage
Battery charging voltage
Generator kVAh
Generator kWh
Generator kVA
Generator kW
Generator kVA_r
Engine oil pressure
Fuel level
Coolant temperature
Charge generator voltage
Generator power factor (pf)
Engine RPM
Engine running time
Real time
Error messages
Event messages
Program parameters