

Detection and Reporting



Facility power Integrity

- AC line monitoring
- Brown out fluctuations reported



Power supply status

- Overload due to shorted output
- Overload due to open field wiring
- Overload due to expanded system
- AC line fluctuations

Power supply output abnormalities

- Higher or lower than specification

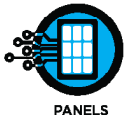
Intermittent system anomalies

- Dropout due to load conditions



Battery monitoring

- Remote battery load test
- Pre-Alert: hours of battery standby
- Pre-Alert: Insufficient battery standby
- Pre-Alert: dead or degraded battery



Controller power status

- Current/voltage draw out of tolerance
- Remote reset



Maintenance reminders

- Scheduled service due
- Battery replacement due



Shorted lock wiring

- One out of two coils / two out of two coils
- Shorted protection diode or MOV
- Shorted field wiring

Open lock wiring

- One out of two coils / two out of two coils
- Broken field wiring

Lock won't lock

- Reader issue (if powered from M8)
- Lock activation confirmation
- Defective lock with electrical problem
- Defective lock with mechanical problem

Lock won't un-lock

- Reader issue (if powered from M8)
- Lock activation confirmation
- Defective lock with electrical problem
- Defective lock with mechanical problem

Lock relay cycle count

- Door use analysis
- Warns near lock end of life

Lock override

- Lock doors remotely
- Unlock doors remotely

NEW MONITORING FEATURES COMING Q3



READERS / REXs

Readers REXs



ENVIRONMENT

Environmental Monitoring

LSP dashboards for single or enterprise management

PowerCom - single site monitoring

- History log
- 1000 events time/date stamped
- Exportable CSV file for trend analysis



MSM-Enterprise multi-site manager

- All networked power supplies in one GUI
- Trouble sites – visual and audio alert
- Site power analytics for troubleshooting




PowerCom[®] POWER SYSTEM MANAGER

[HOME](#) [Reporting](#) [Configure](#) [Tools](#)
n18msm [Log Out](#) Ver: 0.13

NL8 Report

<input checked="" type="checkbox"/> Enclosure Temperature	<input checked="" type="checkbox"/> External Event	<input checked="" type="checkbox"/> Control 1	<input checked="" type="checkbox"/> Control 2
<input checked="" type="checkbox"/> ADC1 Reading	<input checked="" type="checkbox"/> Current Sense 1	<input checked="" type="checkbox"/> Current Sense 2	<input checked="" type="checkbox"/> Current Sense 3
<input checked="" type="checkbox"/> Current Sense 4			

FP1 Report	FP2 Report	FP3 Report	FP4 Report
<input checked="" type="checkbox"/> Model Number	<input checked="" type="checkbox"/> Model Number	<input checked="" type="checkbox"/> Model Number	<input checked="" type="checkbox"/> Model Number
<input checked="" type="checkbox"/> System Fault Status	<input checked="" type="checkbox"/> System Fault Status	<input checked="" type="checkbox"/> System Fault Status	<input checked="" type="checkbox"/> System Fault Status
<input checked="" type="checkbox"/> AC Fault Status	<input checked="" type="checkbox"/> AC Fault Status	<input checked="" type="checkbox"/> AC Fault Status	<input checked="" type="checkbox"/> AC Fault Status
<input checked="" type="checkbox"/> FAI Status	<input checked="" type="checkbox"/> FAI Status	<input checked="" type="checkbox"/> FAI Status	<input checked="" type="checkbox"/> FAI Status
<input checked="" type="checkbox"/> FAI Latch Status	<input checked="" type="checkbox"/> FAI Latch Status	<input checked="" type="checkbox"/> FAI Latch Status	<input checked="" type="checkbox"/> FAI Latch Status
<input type="checkbox"/> AC Voltage	<input type="checkbox"/> AC Voltage	<input type="checkbox"/> AC Voltage	<input type="checkbox"/> AC Voltage
<input type="checkbox"/> PS Output Voltage	<input type="checkbox"/> PS Output Voltage	<input type="checkbox"/> PS Output Voltage	<input type="checkbox"/> PS Output Voltage
<input checked="" type="checkbox"/> Output Voltage	<input checked="" type="checkbox"/> Output Voltage	<input checked="" type="checkbox"/> Output Voltage	<input checked="" type="checkbox"/> Output Voltage
<input checked="" type="checkbox"/> Battery Voltage	<input checked="" type="checkbox"/> Battery Voltage	<input checked="" type="checkbox"/> Battery Voltage	<input checked="" type="checkbox"/> Battery Voltage
<input checked="" type="checkbox"/> Battery Charge Current	<input checked="" type="checkbox"/> Battery Charge Current	<input checked="" type="checkbox"/> Battery Charge Current	<input checked="" type="checkbox"/> Battery Charge Current
<input checked="" type="checkbox"/> Output Current	<input checked="" type="checkbox"/> Output Current	<input checked="" type="checkbox"/> Output Current	<input checked="" type="checkbox"/> Output Current
<input checked="" type="checkbox"/> Total Power-up Time	<input checked="" type="checkbox"/> Total Power-up Time	<input checked="" type="checkbox"/> Total Power-up Time	<input checked="" type="checkbox"/> Total Power-up Time
<input checked="" type="checkbox"/> Battery Installed Time	<input checked="" type="checkbox"/> Battery Installed Time	<input checked="" type="checkbox"/> Battery Installed Time	<input checked="" type="checkbox"/> Battery Installed Time
<input checked="" type="checkbox"/> System Installed Date	<input checked="" type="checkbox"/> System Installed Date	<input checked="" type="checkbox"/> System Installed Date	<input checked="" type="checkbox"/> System Installed Date
<input checked="" type="checkbox"/> AC Fault Total	<input checked="" type="checkbox"/> AC Fault Total	<input checked="" type="checkbox"/> AC Fault Total	<input checked="" type="checkbox"/> AC Fault Total
<input checked="" type="checkbox"/> System Fault Total	<input checked="" type="checkbox"/> System Fault Total	<input checked="" type="checkbox"/> System Fault Total	<input checked="" type="checkbox"/> System Fault Total
<input checked="" type="checkbox"/> Battery State of Charge	<input checked="" type="checkbox"/> Battery State of Charge	<input checked="" type="checkbox"/> Battery State of Charge	<input checked="" type="checkbox"/> Battery State of Charge
<input checked="" type="checkbox"/> Battery Runtime Test Total	<input checked="" type="checkbox"/> Battery Runtime Test Total	<input checked="" type="checkbox"/> Battery Runtime Test Total	<input checked="" type="checkbox"/> Battery Runtime Test Total
<input checked="" type="checkbox"/> Bat Runtime Test Failed Total	<input checked="" type="checkbox"/> Bat Runtime Test Failed Total	<input checked="" type="checkbox"/> Bat Runtime Test Failed Total	<input checked="" type="checkbox"/> Bat Runtime Test Failed Total
<input checked="" type="checkbox"/> Required Standby	<input checked="" type="checkbox"/> Required Standby	<input checked="" type="checkbox"/> Required Standby	<input checked="" type="checkbox"/> Required Standby
<input checked="" type="checkbox"/> Actual Standby	<input checked="" type="checkbox"/> Actual Standby	<input checked="" type="checkbox"/> Actual Standby	<input checked="" type="checkbox"/> Actual Standby

<input type="button" value="Select All"/> <input type="button" value="Clear"/> <input type="button" value="Submit"/>	<input type="button" value="Select All"/> <input type="button" value="Clear"/> <input type="button" value="Submit"/>	<input type="button" value="Select All"/> <input type="button" value="Clear"/> <input type="button" value="Submit"/>	<input type="button" value="Select All"/> <input type="button" value="Clear"/> <input type="button" value="Submit"/>
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