Controller v1.3.2-371 Release Notes

Improvements:
- Network > Modbus speed setting now offers baud rates 9600 and 28800.

Bug Fixes:
- Continuous and discharge log files will be written to after restoring a configuration template.

Controller v1.3.1-328 Release Notes

New Features:
- String state timing can be used to avoid excessive string state changes when in an environment with current spikes.
- Backup - Configuration Template. A template can be created to quickly deploy to other similar Controllers.
- The password for the Installer user can be changed.

Improvements:
- Port 2 Modbus library change to improve port 2 communication robustness.
- Security improvements, closed Redis port and require key to SSH into Controller.
- String groups' names can be changed.
- Time zone database updated.
- Diagnostic download now includes more server logs.
- Backup and diagnostic download files are now encrypted.
- Backup now includes all measurement logs.
- LCD displays correct temperature units and ambient temperature values

Bug Fixes:
- Ohmic Measurement Error alarm will no longer raise when ohmic readings are made on small strings.
- Daily log files no longer have a row from the next day in them.
- Ambient Median Temperature will no longer display as ERR on the overview screen when the string is configured to have no ambient temperature sensors.

Controller v1.2.0-265 Release Notes

New Features:
- Thermal Runaway Protection (TRP)
- Configuration Report

- Hysteresis for String State Thresholds

Improvements:
- Improved defaults for String State Thresholds
- Improved defaults for limits: String Current, Block Temperature, Block Temperature Variation, Ohmic Rise, Ambient Temperature Variation, Ambient-Block Differential
- Network adapter MAC address shows in LAN network settings page
- Alarm History page now shows alarm times in region agnostic format
- Improved direction information popup on the CT calibration page
- Modbus settings speed and stop bits use choices are limited to valid values
- Measurement Logs page will function with up to 50,000 log files

Controller v1.1.2-181 Release Notes

New Features:
- Allow mapping of TRP Hubs

Improvements:
- Better handling of Modbus errors

Bug Fixes:
- Fix issues with LCD display of values
- Fix broken links in Upgrade page
- Replace instances of the text 'Powershield Controller' with 'Controller'

Controller v1.1.1-162 Release Notes

New Features:
- Include Modbus User Guide Rev C

Improvements:
- Better Modbus TCP connection handling

Bug Fixes:
- Fix incorrect version number when software changed
- A factory reset will no longer turn unbranded mode off.
- Unbranded mode will no longer show the Powershield logo in the browser tab or bookmarks.
- String delete process has been improved to avoid system problems in rare circumstances.

Controller v1.1.0-149 Release Notes

New features:
- Sensor Replacement
- Recovery Mode
- SNMP Traps
- Unified Error Codes:
  - Error codes are displayed instead of ERR now
  - Error codes are consistent across different sensors

Improvements:
- Ohmic Baselines: Outliers uses ticks instead of flags
- Mapping and Detect: Improved reliability in noisy environment, UI improvements (including legend)
- Measurements Page: System Alarms indicator
- Measurements Page: String Alarm counts
- Software Update: Improved UI
- Limits: Changing a limit will no longer stop in-progress ohmic jobs
- System Diagnostic Download: Available to Installers now
- Alarm History: finer grained alarm duration display
- Event Log: more event messages (ohmic baseline operations)
- Restore: improved backup file error detection
- LCD network status 'Not connected' message added*
- SNMP MIB now available via SNMP configuration page
- Added system name to title bar
- Added support for new Hub (internal model type 19, new measurement status registers)

Bug fixes:
- Remove Log files when a string is deleted
- Fixed dim Alarm LED on Controller front panel however an additional hardware fix can also be required
- Fix measurement log roll-over time (local time 11:59pm)
- Fix Modbus RS-485 settings
- Fix partial ohmic limits API call (this affects Link when downloading limits)
- Fix when impedance schedule is off API call does not return impedance devices (this affects Link when adding a system and Link is determining the measurement types available)

*LCD network status is not guaranteed to be in sync with the physical connection status due to the operating system behavior.