



TESLA 4000

v1.9a

Release Description

FEATURE ENHANCEMENTS

- None.

CORRECTIONS TO ISSUES

- **Major** – Correct issue where continuous disturbance recording (CDR) stopped a fixed period of time after being started. The worst case is 168 days after starting with the maximum number of channels monitored at the maximum rate.
- **Minor** – Corrected issue where the delay module in a logic function will assert/de-assert 1/2 cycle earlier than expected in some conditions.
- **Minor** – Corrected issue with a logic function asserting/de-asserting 1/2 cycle later than expected when it uses another logic function as an input.

COMPATIBILITY

Compatible TESLA Control Panel Software	v2.8 and above
Compatible RecordBase Central Station Software	v3.1 and above
Compatible Record Base View Software	v4.1 and above
Compatible RecordGraph Software	v5.0 and above

Minor releases, designated with a revision or letter (e.g. v3.4 Rev 1 or v3.4a), maintain the same compatibility as their base version (e.g. v3.4 Rev 0 or v3.4).

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REVISION HISTORY

v1.9 – 2016-12-18

- **Enhancement:** Add support for leap second.
- **Minor** – correct issue where trend view shows negative value on harmonic and THD views under certain conditions.

v1.8a - 2015-09-28

- **Major** –The DNP3 Binary Input (Object Group 1, 2) states all changed to default after a unit power cycle or reboot.

v1.8 - 2015-09-15

- **Enhancement:** Change minimum harmonic threshold from 3% to 1% to allow triggering and recording below 3%.
- **Enhancement:** Increase the high speed recording pre-fault maximum setting to 8 seconds.
- **Enhancement:** Add an alarm output trigger for time sync loss.
- **Enhancement:** Add an alarm output trigger for IEC 61850 communication failure.
- **Enhancement:** Add IEEE C37.118-2011 compatibility on the IRIG input.
- **Enhancement:** Add support for the model 401025 AC Current Input Module (CE compliant model to be released soon).
- **Enhancement:** Add support for the model 401026 AC Voltage Input Module (CE compliant model to be released soon).
- **Major** -Corrected issue with date not incrementing correctly on some units when no IRIG or SNTP reference is available.
- **Major**-Corrected issue with PMU inconsistently rounding fractions of a second.
- **Minor** - Corrected issue with Sequence of Events reporting conditionally suspended for masters 2 and 3 in multiple DNP3 master applications.
- **Minor** - Improve system diagnostic file retrieval via network ports.

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CLASSIFICATION OF CHANGES MADE

The issues fixed in software / firmware upgrades are classified as defined below. While it is always the user's decision to upgrade installed products, these classifications provide a guideline for the need and priority of the upgrade.

Critical: Critical changes fix issues/problems that prevent the basic operation of the device and have no workaround. Critical changes merit a product upgrade as soon as possible, if that function is being used under the conditions causing the issue

Major: Major changes fix problems that prevent the basic operation of the device but do have a workaround. Any major changes merit a product upgrade as soon as possible if the function is being used under the conditions causing the issue and a workaround is not acceptable.

Minor: Minor changes fix non vital issues that do not prevent the basic operation of the device and may or may not have a workaround. Product upgrades for such changes are not necessary unless they apply to and are needed by the user.

Feature Enhancement: Feature enhancements add a capability or extend existing capabilities of the product. Upgrades for such changes need be made only if and when that feature enhancement is desired.

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