



TESLA 4000-A Firmware

v1.0a

Release Description

DATE: 2022-10-21

FEATURE ENHANCEMENTS

- Cyber Security:
 - None.
- General:
 - None.

CORRECTIONS TO ISSUES:

- Cyber Security:
 - None.
- General:
 - Minor: Fixed issue with the configuration of network ports 410 and 411 when the LAN Redundancy Selection order option is 0 (no redundancy). This production related fix does not affect any units shipped to customers.
 - Minor: Fixed issue where the Reinitialize and Check/Repair Storage maintenance commands on the Maintenance > Storage Memory screen did not work.

COMPATIBILITY

TESLA Control Panel Software:	v3.8 and above
RecordGraph Software:	v6.1 and above
ERL 61850 Configurator Software:	v3.5 Rev 2 and above
RecordBase Central Station Software:	v5.5a and above
RecordBase View Software:	v5.5a and above
ICD File Version:	v1.0 Rev 02
Setting Version:	701
TESLA 4000 Model 4000-A User Manual	v1.0 Rev 0
Network Redundancy Module Firmware:	v1.1 and below
Security Notification System User Guide	v1.01 Rev 1

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) unless otherwise indicated.

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REVISION HISTORY

v1.0 – 2022-09-02

- Enhancement: This is the first firmware release of the TESLA 4000 Model 4000-A recorder for general availability. Enhancements over Model 4000 include:
 - High speed Transient recorder sampling rates of up to 512 samples/cycle for all 36 channels.
 - Low speed Swing recorder sampling rate of 2 samples/cycle.
 - Enhanced IEC 61850 communication protocol with Edition 2 features.
 - Support for PTP (IEEE 1588) time synchronization.

CLASSIFICATION OF CHANGES MADE

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

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

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.

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