



# TESLA 4000 Power System Recorder

## TESLA Control Panel v2.8a Rev 1

### Release Description

#### DESCRIPTION

This release corrects an issue where the TESLA Control Panel software was always installed in the default location even if a different folder location was selected. Only the installer is affected by this release and the actual software is unchanged.

Version v2.8a Rev 1 of TESLA Control Panel is provided with RecordGraph v5.0.

#### FEATURE ENHANCEMENTS

- None

#### CORRECTIONS TO ISSUES

- **Minor:** Corrected issue where the software was installed to the default folder even if a different folder was entered by the user.

#### COMPATIBILITY

Compatible with TESLA Model 4000 Firmware Version	v1.9 and earlier
Compatible with TESLA Model 4003 Firmware Version	v1.0
Compatible with TESLA LITE Firmware Version	v1.1 and earlier
Compatible with IO Expansion Firmware Version	v1.0
Compatible with TESLA Model 3000 Firmware Versions	v2.7 and earlier
Compatible with TESLA Model 2000 Firmware Versions	v4.1 and earlier
Compatible with Microsoft Windows	Windows 7 Professional Windows 10 Professional*

Minor releases, designated with a letter suffix (e.g. v3.1a), maintain the same compatibility as the base version (e.g. v3.1=v3.1a).

#### NOTES:

- \* Serial and modem access to IEDs not compatible with Windows 10 Anniversary (1607) or Creator (1703) editions.

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## REVISION HISTORY

### v2.8a – 2017-03-22

- **Major:** Corrected record combining issue in cooperative mode when the user did not have administrator rights.

### v2.8 – 2016-12-18

- **Enhancement:** Add compatibility with units that support leap second.

### v2.7 – 2016-04-14

- **Enhancement:** For TESLA LITE:
  - Changed minimum harmonic threshold from 3% to 1% to allow triggering and recording below 3%.
  - Increased the high speed recording pre-fault maximum setting to 4 seconds.
  - Added configurable alarm output contact for time sync loss.
  - Added enforcement of minimum record extension lengths to ensure optimum performance.
  - Changed the method of selecting the IED 1A/5A configuration to be consistent with other ERLPhase products.
- **Major:** TESLA LITE - Fixed issue where Watts, VARs and Power Factor do not display correctly in metering or in the record.
- **Major:** TESLA LITE - Fixed issue where “Angle Reference” changes from Va to Ia after setting file is saved under some conditions.
- **Major:** TESLA 3000 - Fixed issue where Trend Alarm Output Contact wasn’t correctly converted from a 36 channel TESLA 2000 to an 18 channel TESLA 3000.
- **Minor:** Fixed issue where the password tab on the utility screen was not displayed if the password file on the IED was missing.
- **Minor:** Fixed issue where users could select “Pre-trigger” and “Normal Record Length” settings that resulted in the triggering event not being captured.
- **Minor:** Fixed issue where Record Graph opened behind TESLA Control Panel when launched from within TESLA Control Panel on Windows 7.
- **Minor:** TESLA 4000 - Corrected summation element naming inconsistencies between the Channel Tree screen and the Logic Function Configuration screen.
- **Minor:** TESLA 4003 - Fixed issue where TESLA Control Panel disconnects from the unit indicating a sample rate change when uploading a new setting file without a sample rate change.
- **Minor:** TESLA LITE - Fixed issue where the Output Contact numbering was 2 to 7 instead of 1 to 6 in the DNP mapping screen.
- **Minor:** TESLA LITE - Fixed issue that prevented frequency from being derived from current channels.
- **Minor:** TESLA LITE - Fixed issue where the Nominal Level for a voltage input displays 69V even if the setting file opened has this set to something else.
- **Minor:** IO Expansion – Fixed issue where double clicking on a remote record that has already been downloaded results in multiple local records.

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## 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.

**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.

**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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