



## I/O Expansion

### Firmware v1.0a

## Release Description

### FEATURE ENHANCEMENTS

- Enhanced robustness of Firmware updates in the presence of power or communication interruptions.
- Added compatibility with IEEE C37.118-2011 compliant clock sources.

### CORRECTIONS TO ISSUES

- **Critical:** Fixed issue where External Inputs were mapped incorrectly in records and in MODBUS.
- **Major:** Fixed issue where DNP3 Time Sync Loss alarm (BI 143) wasn't being sent.
- **Major:** Fixed issue where the time generated on the IRIG output was incorrect under some conditions when no external time reference was connected.
- **Major:** Fixed issue where the date would not increment correctly under some conditions when no external time reference was connected.
- **Major:** Fixed issue with DNP3 Binary Input states (Object Group 1, 2) all changing to default after a unit power cycle or reboot.
- **Minor:** Fixed issue with Sequence of Events reporting conditionally suspended for masters 2 and 3 in applications with multiple DNP3 masters.
- **Minor:** Improved system diagnostic file retrieval via network ports.

### COMPATIBILITY

TESLA Control Panel Software	v2.5 and above
Relay Control Panel Software	v2.8 and above
RecordBase View Software	v3.2 and above
RecordGraph Software	V5.1 and above
61850 Configurator	v2.0 Rev 1 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

### v1.0 – 2014-06-24

- Initial product release

## 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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