



IO Expansion

Firmware v1.1

Release Description

DATE: 2019-07-19

FEATURE ENHANCEMENTS

- Cyber Security:
 - None.
- General:
 - Added the ability to configure the pickup delay on external inputs.

CORRECTIONS TO ISSUES

- Cyber Security:
 - None.
- General:
 - Removed the RDRE1 Logical Node from the 61850 ICD file since this feature is not supported.

COMPATIBILITY

TESLA Control Panel Software	v3.3 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	v2.2 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

v1.0a – 2017-11-06

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

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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