

CyTime Event Recorder SER-3200 / SER-2408

Version n.nn (*Time / Event / System processor firmware*)**Version 2.21 (2.10 / 2.00 / 2.21)** [ build 1 ]

03-Apr-2020

- Enhanced the control power loss detection mechanism in the SER.
  - If control power falls below 19.2 Vdc, the SER will perform power detection check after 50 ms before automatically restarting to protect itself from an undervoltage condition.

**Version 2.20 (2.10 / 2.00 / 2.20)** [ build 1 ]

20-Jan-2020

- Corrected Modbus register 409008 (date of manufacture).
- Changed copyright year from 2019 to 2020 in LCD and Web UI.
- Added 3rd party network stack enhancements.

**Version 2.19 (2.10 / 2.00 / 2.19)** [ build 1 ]

03-Dec-2019

- Fix applied to address invalid characters shown on LCD screen.
- Security Enhancement: Closed UDP ports 7 & 9 to meet customer security requirements.
- Added Ethernet buffers value to help detect network loop conditions on the SER network.
- New diagnostic pages (8 and 9) to LCD diagnostic menu to provide additional details for network activity.
- Corrected Modbus value for PTP priority 1 & 2 where value wasn't set correctly in the Modbus Register.
- Watchdog timer support to address issue with 'freezing' SER.

**Version 2.18 (2.10 / 2.00 / 2.18)** [ build 1 ]

29-Mar-2019

- Corrected a freezing issue caused by an invalid network "loop" in the network switches. Added "Error Code 2020 Ethernet Error" to show on the front display indicating when this issue occurs.
- Reduced PTP network traffic during startup to prevent overload and improve syncing efficiency between multiple SERs and master PTP.
- Fixed timing issue in which SER loses communications when a switch loses and regains power intermittently.
- Corrected issue with setting time manually in which changes were not applied after first attempt.
- Fixed SD card size calculation in the SER web UI.
- Fixed random time change events in SERs using Daylight Savings Time (DST) with "Time Source (IN)" set to "Manual (external)" or NTP.
- Fixed issue with settings for time zones not on the hour such as "UTC + 5:45".
- Corrected an issue in which no "setup change" was shown in the event log after an Input/Output's name had been changed in the SER's setup.

**Version 2.17 (2.08 / 2.00 / 2.16)** [ build 1 ]

25-May-2018

- Replaced Adobe Flash in web UI with HTML5
- Fixed a rare issue where PTP Slave loses time quality (time quality goes from Good to Bad), but diagnostics shows PTP in slave mode
- Fixed a rare issue where DCF time source is not syncing after a reset

**Version 2.16 (2.08 / 2.00 / 2.16)** [ build 1 ]

08-Jan-2018

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