VERTIV™

Albér Universal Xplorer Industrial Monitor (UXIM)
Firmware Release Notes

VERSION 1.13.2

Release Notes Section Outline

1 Updates for This Release (Version 1.13.2)

- Extended intertier support (up to eight)
- Parameter Alarm contact is now supported

2 Version 1.12.6 Update Information

- Alarm enable and Alarm latch functions improved over MODBUS interface
- Boot log response time over network improved
- Changing the "Digital input" name over the network is now supported
- UXIM will show actual intercell resistance value on cell one when most negative mode selected
- The intermittent constant one volt reading is now removed
- With this release, the resistance test now does not stop when configurator connects to the device
- Unit will now automatically start scanning in 20 minutes if the unit is in maintenance mode

3 Version 1.11.1 Update Information

- Long discharges data corruption resolved
- Discharge delete commands now ignored during discharge
- Default baseline and resistance values added for factory default setting
- Resistance test disabled during discharge
- Scanning of reading is now always enabled during discharge
- Complete baseline resistance readings are now recorded
- Ripple current alarm is now disabled for one hour after resistance test

- All alarms will reset before resistance test to prevent false alarms after test
- Support added for reverse cell conditions

4 Version 1.08.04 Update Information

- Intercell channel selection now available for current measurement
- Support added for Internal resistance, intercell resistance and discharge current correlation factor
- Fixture configuration 1X24X2 (debugger software only) has been tested
- System time and date can now be set via MODBUS
- Ground fault alarm detection reports are corrected
- Ground fault switches are now turned off before measuring ripple current to improve reading accuracy

5 Version 1.07.02 Update Information

- Start-up report now contains baseline date and time
- Discharge current alarm is now only checked when current is negative
- Alarm state is now checked when alarm thresholds are changed or enabled
- Only major alarms will activate device contact relays
- Added ability to clear the normalization timers
- Fixed resistance problem with continuous restarting due to RTC initialization

6 Version 1.06 Update Information

- Calibration constraints are now prevented from getting erased occasionally
- Alarm lights are corrected and now reflect the real alarms
- Improved how discharge data is capture to avoid corruption

7 Version 1.05 Update Information

- Added support for two sets of alarms: Major (Warning) and Minor (Caution)
- Added controls to disable, enable and latch both major and minor alarms
- Ambient temperature is now captured at the beginning and ending of discharge
- Capture time stamps added to reports for resistance tests, voltage and temperature
- Fixed float alarm threshold resetting issue

8 Version 1.03 Update Information

- Added the ability to enable/disable ambient temperature settings using the MODBUS port [internal reference number 2539]
- Added a new feature to enable/disable ambient temperature [internal reference number 2531]
- Improved battery resistance readings by modifying the algorithm [internal reference number 2516]
- Added a new feature to report positive and negative ground fault voltages [internal reference number 2458]
- Disabled standalone functions when a battery monitor is connected to the UXCM [internal reference number 2348]
- The UXIM front panel will now flash all LEDs green during a resistance test [internal reference number 2344]
- The UXIM front panel will now flash all LEDs amber during a discharge [internal reference number 2343]

- Added support for ground fault measurements on positive and negative sides of the graph on the UXIM application software [internal reference number 2258]
- Added support for the UXCM protocol over fiber optical (USART0) [internal reference number 2245]

9 Version 1.02 Update Information

- Added an extra 10ms before performing a string current reading; the extra time allows the signal channel to settle down [internal reference number 2141]
- Added an extra 10ms time delay for response of MODBUS over RS-484; the extra time delay allows communications with the devices [internal reference number 2140]