



PRODUCT CHANGE NOTICE



Multitel is pleased to announce the release of the new v4.80 firmware for Fusion RTU. Get up to speed by upgrading your devices for branch circuit monitoring capability and generator ATS monitoring.

THE PRESENT FEATURE SET IS SUBJECT TO CHANGE WITHOUT NOTICE



NEW FEATURES

Understand energy usage with branch circuit monitoring

Pairing Fusion with SMX-24AI allows you to calculate specific circuits usage to prevent unwanted downtimes. Be able to verify how much power you are using to accurately track usage based-billing. Reduce energy costs by targeting and prioritizing replacement of non-energy efficient equipments.

Introducing smart ATS data interpretation

This will prevent you to lose precious time looking into your extensive modbus product documentation while trying to understand the meaning or status of a numeric code. You no longer need any additional tool : Fusion will help you to understand the stories data are telling you to take better and faster decisions.

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MAJOR ENHANCEMENTS

1. **(RTU-376)** - Added two (2) new initiation types for threshold channels - one to check if the analog channel value is in between a specific range and another one to check if the value is outside a specific range.
2. **(RTU-374)** - Expansion of the arithmetic channels from 64 to 224.
3. **(RTU-316)** - Now possible to configure thresholds on binary channels coming from an expansion card.
4. **(RTU-371)** - Rearrangement inside RAM memory sections to save space. Following functionalities were removed :
 - a. Rectifier
 - b. HVAC algorithm
 - c. Battery aging algorithm
 - d. Equalize
 - e. Histogram statistics
 - f. PVA algorithm for controlling rectifier voltage
5. **(RTU-212)** - Now possible to configure two (2) DNS servers.
6. **(RTU-372)** - Increased number of "GET_SNMP" channel from 16 to 24 for both binary and analog channels.
7. **(RTU-85)** - Fusion is now able to report diagnostic codes from Modbus modules.

MINOR ENCHANCEMENTS

1. **(RTU-386)** - Fusion's web interface now display the analogic value coming from the binary channels of the expansion cards.
2. **(RTU-252)** - Enabled reset to zero (0) of occurrence counters for group thresholds.
3. **(RTU-332)** - The user is now able to reset AHCR channels.
4. **(RTU-202)** - English translation of "MODTEST" command menu.
5. **(RTU-337)** - Now possible to remove a user from the configuration if set to "NONE".
6. **(RTU-290)** - Increased occurrence counter capacity from 32 200 to 65 500 counts.

BUG-FIXES

1. **(RTU-283)** - Corrected Fahrenheit degree calibration for temperature channels of the expansion cards.



UPDATE REQUIREMENTS AND/OR IMPACT

Note that a detailed update procedure package is provided with the new firmware code file. Following are the possible impacts when performing the FUSION update:

1. Daily, triggered and histogram statistics files content should not be lost after a firmware code upload, however, it is recommended to download the files content prior to performing the remote code upload.
2. No operating parameter modification, deletion or reset is expected, however, it is good practice to backup/download the configuration file prior to performing the remote code upload.
3. When executing FUSION v4.7x and v4.8x upgrades from previous to v4.50, the Intelligent I/O Card firmware is erased and needs to be uploaded via the HTTP/HTTPS or the TELNET/SSH interface. The following files are available upon request. If you have any questions contact: support@multitel.com
FUSION I/O card files:
 - a. MIR_ANA.XMD
 - b. MIR_EVT.XMD
 - c. MIR_OUT.XMD
4. The new FUSION version does not require any FIRM Suite upgrade™.
5. If required, revise your operating parameters configuration according to the new “SNMPGet” modules quantity.
6. Occurrence counters will be reset to zero (0).

AVAILABILITY

The new version 4.80 of Fusion will be available in April 2017. Multitel is committed to provide only the highest quality products for your needs. If you have questions regarding this product change notice, please contact your Multitel sales representative.

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