

RAMOS Ultra FW

change log



2022-04-19 Version 406b

- FIX – ULTRA/ULTRA ACS: Incorrect handling of long strings with spaces on VS SNMP Trap Receiver
- FIX – ULTRA: Incorrect alerts and brief values spiking on device reboots from the SHT11 Dual Sensors

2022-01-12 Version 406a

- FEATURE – ULTRA : Add support for new temperature sensors
- FEATURE – ULTRA/ULTRA ACS : Add signal quality information in telephone call log
- FIX – ULTRA/ULTRA ACS : Sensor graph downloading results in PHP error
- FIX – ULTRA/ULTRA ACS : Custom threshold values are incorrect after Virtual Sensor creation

2021-09-22 Version 405z

- FIX – ULTRA/ULTRA ACS: some secure config is not applied if only HTTPS is enabled
- FIX – ULTRA/ULTRA ACS : Cross-site scripting (XSS) vulnerability
- FIX – ULTRA/ULTRA ACS : Modbus RTU slave is not working correctly after reboot
- FIX – ULTRA/ULTRA ACS : Add “Connection security” option to System SMTP settings

2021-02-25 Version 405y

- FIX - [SMTP] email notification, Invalid HELO name (See RFC2821 4.1.3)
- FIX - [SMTP] increase password length for SMTP server settings
- FIX - [SMTP] Incorrect Email and password saved to spd_db from SMTP Server setting
- FIX - [VPN] Renew expired VPN Certificate (requires new CPS v15)
- FIX - [HTML] SQL Injection vulnerability on Login.php
- FIX - [SYSTEM] Possible file corruption if spd_notify is not running
- FEATURE - [MODEM] Add support for new 4G modems

2020-02-04 Version 405u

- Fix - [SMTP] SMTP host resolving issue on some host addresses
- Fix - [SMTP] Email notification, communication stops without retry in SMTP with SSL
- Fix - [EMAIL] Email noti, issue with ' in email address
- Fix - [HTTP] fix vulnerabilities
- Feature - [PASSWORD] Selectable minimum password length for stricter security feature

2019-04-05 Version 405s

- Fix - [SENSORS] Boolean Virtual Sensors, problem when editing parameters.
- Fix - [SENSORS] Issue when swapping a RMS-U-DST temperature chain with new RMS-U-DST chain.
- Fix - [SENSORS] Reader stopped working after accessing both in and out reader simultaneously.
- Fix - [SENSORS] When autosense is disabled and sensor is unplugged, Relay status is OFF.
- Fix - [Map] Airflow sensor icon in map is incorrect when normal status is set to presence of air flow.
- Fix - [Graph] Graphing gaps for switch type sensors.
- Fix - [SNMP] Compound ID has wrong behavior on Relay Box 8.
- Fix - [Password] Changing User session Timeout, changes the Admin value.
- Fix - [Password] Change Password page does not update password timestamp for users in non-built-in groups.
- Fix - [Password] Password expiration and default password warning redirect to incorrect page for non-built-in users.
- Fix - [Password] Disable password checking does not disable password checking methods.
- Fix - [Password] Default password is checked when built in user account password is disabled.
- Fix - [Password] Password strength verification does not show in some languages.
- Fix - [Security] Disable the phpinfopage.php page.
- Fix - [Security] Upgrade openssl0.9.8 to latest version.
- Fix - [Email] Email noti, issues with ' in email address
- Fix - [Modem] SMS Heartbeat Message infrequently sends a duplicate alert.
- Fix - [Modem] Disable speed, initialization string settings for internal modem on Heartbeats.



Fix - [CPS] sends incorrect data to CPS for temp sensor.
Fix - [CPS] WxClient cannot disable HTTPS.
Fix - [SYSTEM] Fix upgrade and Backup file issue.
Addition - [Password] Add ability to disable Login session timeout.
Addition - [Password] Add option to separate Admin and root passwords
Addition - [Password] Enhance Security control.
Addition - [Password] Add IPv6 support Radius feature.
Addition - [SENSORS] Update UFLS tank configuration for multiple sensor types.
Addition - [SENSORS][CPS] UFLS - when the threshold values are changed manually it will redirect to the continuous time tab.
Addition - [SNMP] Add CardID in the SNMPTrap OIDs for Access Reader sensors.
Addition - [HTML] Add html page that report all sensors values and status.
Addition - [HTML] Add GNU GPL license compliancy.

2019-02-21 Version 405r

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017-09-15 Version 405p

Fix – PMS Active Power graph show Watts values
Fix – PMS values in notification message are not factored
Fix – Picture log has some corrupted frames
Fix – Time zone for GMT+05:30 is not working
Fix – Maps, icon selection does not work for air flow sensor



Fix – Email content was not correct when customizing long message
Fix – System Name has Apostrophe ('), it will show ""
Fix – Main Module does not show the Virtual Sensor Boolean type
Fix – Change fdopen error text for virtual snmpGet
Fix – DNS resolver does not always function correctly
Fix – Internal GSM modem ppp connection stuck in disconnecting state
Addition – add software reboot button in web UI
Addition – Add warning message when setting continuous time more than 10 minutes
Addition – [Security] Add password expiration delay and default password warning
Addition – [Security] Add temporary ban due to 3 consecutive incorrect logins
Addition – [Security] Add password strength verification
Addition – [Security] Add more logs when users setting are changed
Addition – [Security] Add syslog entry when users logout or timeout
Addition – [Security] Update SSL certificate
Addition – [Security] Fix vulnerabilities (Update OpenSSL to 1.0.1u)
Addition – [Security] Update Dropbear version
Addition – Add support for tube style (SHT31) dual Temperature/Humidity sensor
Addition – Allow special characters in community strings
Addition – Change commonId OID to commonIndex (return compound ID as STRING)
Addition – Add IPv6 (licensed)
Addition – Korea cellular providers require 'Caller Number' information

2017-08-04 Version 405o

Enhancement – Improve firmware upgrade process code

2016-05-19 Version 405n

Fix – Wrong description in SNMPv3 Virtual Sensors page
Fix – Picture attached in 'Current picture' email attachment is delayed by 5 seconds
Fix – Continuous and Minimum time are not saved properly for Airflow sensor
Fix – Reboots when changing sensor settings after upgrading to 405m
Fix – Sending email fail when using Dialout if Ethernet fails
Fix – Add warning when changing Graph Data Collection Period

2016-03-04 Version 405m

Fix – Siren / Strobe sensor action shows warnings on Notification >> Action page.
Fix – Map icon wizard shows error on reader sensor
Fix – Radius feature on password checking cannot enabled
New – Improvement of SMS Notification Action setting
New – Add new user permissions
Fix – Disable baud rate setting when selecting the internal modem in dial-out feature
Fix – Remove ActiveX from the Video Guest Page
New – Add octet string type variable parsing for virtual sensor trap receiver
New – Improve virtual "Boolean" sensor type

2015-09-01 Version 405L

Fix – SNMP get next command skips to next sensor in the properties if the sensor is in an error state.
Fix – Java SSH Terminal is no longer working.
Add – Add SENSOR_TEMP_ID to send and notify to the CONTEG Pro Server software.
Fix – 640x480 pictures are not the correct size or format in email and FTP
Fix – After firmware upgrade, disable/enable action does not show list of notifications.
Fix – Notification wizard, link sensor to action shows page greater than existing page.

2015-07-13 Version 405k



Fix – spd_notify stuck in infinite loop if camera disconnects during picture log causing email queue full errors.

2015-06-25 Version 405j

New – Add support for 3rd party VPN servers

New – Add time zone for GMT+1 without DST

Fix – SMTP protocol was using SSLv3, change to TLSv1.0

2015-04-30 Version 405i

New – add support for 66bits card IDs (reverse byte order)

Fix – Changing the temperature degree unit by SNMP converts the threshold incorrectly.

Fix – spd_notify stuck in infinite loop if camera loses the signal during picture log entry

2015-02-06 Version 405g

Fix – SMTP protocol not working with MS Exchange Office365

Fix – OpenSSL 'ChangeCipherSpec' MiTM Vulnerability (update OpenSSL to 1.0.1j)

2014-12-08 Version 405f

Fix – The copy of the expansion board connection state configuration is incorrect

Fix – SPD notify has high CPU usage when too many sensors have value changes

Fix – Fuel Level Sensor page does not work correctly

Fix – Network Access Control no longer works (IMX25)

Fix – Security sensor icon on map is not updated in summary page.

2014-10-28 Version 405e

Fix – Shellshock bash bug fixed

2014-10-02 Version 405d

Fix – Temperature sensor does not support decimal in thresholds (requires CPS 11.4.x or higher).

Fix – RMS-U-DST sensors serial numbers are not stored in the sensor_info_sql.db and are lost when the Expander I8 is power cycled.

Fix – Unique configuration settings causes the actions/notifications to be delayed before processing.

Fix – WebUI vulnerabilities (CVE-2014-5141, CVE-2014-5142, CVE-2014-5143)

Enhancement – Update the protocol version 13 between Ramos Ultra and CPS (11.4.0)

2014-08-19 Version 405c

Add – [New Feature] add SNMPSet action

Fix – Exported syslog file has wrong month in name

Fix – Re-enable feature to allow auto login for the User password.

Fix – Username and password 's length on log-in page do not match the maximum limit

Add – Support for Russian language

Fix – Disable Wifi support for USB wifi dongles.

2014-05-14 Version 405a

Fix – MAP: icons for the dry contact outputs do not display

Fix – SMS: Temperature degree character does not display correctly on phones

Fix – Large backup files cannot be restored

Fix – Modbus virtual sensor, floating values are not computed correctly

Fix – Email notification fails to continue if one of the recipients fails to send

Fix – Unable to use more than one "To" (recipient) email address in the heartbeat alert

Fix – PMS sensors have the same Modbus register address when the Ramos is in Modbus mode

Add – Added OID for acknowledge sensors



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Add – Added OID to get the RMS-U-DST temperature sensors serial numbers

2014-04-30 Version 404z

Add – Allow disabling text message sent by FTP

Fix – OpenSSL with Heartbleed issue

2013-10-24 Version 404w

Add – ACCESS_USER macro in notification

Add – Heartbeat SMS, add sensors information

Fix – Siren notification turn on until acknowledged is not working properly

Fix – EX-I8: RMS-U-DST are in Sensor Error state the first time they are plugged in

Add – Send Time Tracking sensor properties to CPS

Add – Show card id when access is denied also

Add – Remove the Access Control Tab from Web UI

Fix – The door dry contact cannot be taken offline by CPS

Fix – Door buzzer does not beep

2013-08-16 Version 404v

Fix – sound log event in syslog is replaced by picture log (fix double report in one action)

Add – EX-I8: add support for EX-D** units (**=64, 128 or 192)

Fix – sort the RMS-U-DST by order of their device ID

Add – enable the extra dry contact of the RAMOS ULTRA ACS board for multi purpose

Update – the protocol version 11 between Ramos and CPS (10.4.1)

Add – allow to link action on a reader sensor

Fix – Dry Contact Output set notification control mode incorrectly

Add – new feature: SNMP trap virtual sensor supports octet string with numbers.

Add – new feature – authorize/send notification on probes witch critical and normal status

Fix – picture logs timestamps are not matching with sensor event

Fix – Wrong permission checking in script upload page

Fix – Temperature degree lost in mail content

Add – Add the calendar control feature to RAMOS ULTRA ACS

Fix – When adding sub-maps sometime can't drag marker.

Update – the protocol version 10 between RAMOS and CPS (10.4.0)

2013-07-11 Version 404u

Add – Watchdog should also be triggered when a process use too much CPU

Add – change wording on port scanning

Fix – Thermocouple sensor is not detected

Add – The Time Zone : “(GMT-02:00) Mid-Atlantic” is missing

Add – New TTK Water Rope Sensing Impedance (new improved rope type).

Add – Enhance accuracy of the Sound Detector.

Fix – changing relay status on summary page is not stored in database.

Fix – 4-20mA sensor, default base scale value should be 4 mA

Fix – SSL/TLS email, some SMTP servers can't handle the SSL connection

Fix – Modbus notification syslog not showing the action name.

Fix – EX-I8: RMS-U-DST temperature does not work with long cables.

Add – Add relay/Dry Contact action Turn ON/Turn OFF

Fix – PMS, enable server to modify PMS RPC properties

Fix – When putting online a PMS sensor without PMS connected, the Ramos reboots

Fix – Guest page setting is not available

Fix – PMS stops polling its value

Fix – Siren / Strobe/relay action, “Defined Time” action is not working properly

Add – When enabling Modbus RTU, this disables only the Modbus virtual sensors



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Fix – Modbus virtual sensor, the count number should be 1 when data is 16 bits
Fix – relay color on summary page is inverted.
Add – Firmware upgrade Webpage: add note to user
Add – ability to use Handle Lock (wording and configuration)
Fix – Sensor page does not show sensor detail.
Add – perform an automatic backup and restore of databases during firmware upgrade.
Fix – Notify until sensor is normal alerts not working
Fix – Spd_notify crashes during email/SMS notification alerts.
Fix – Map full screen link on map is incorrect
Update – the protocol version 9 between Ramos and CPS (10.3.0)

