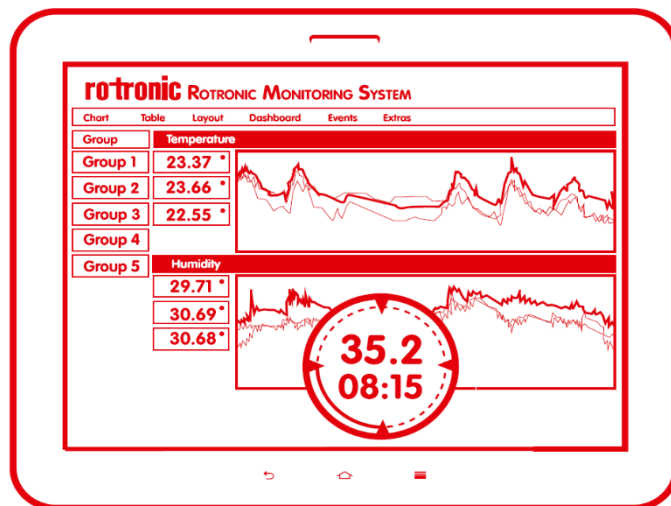


Rotronic Monitoring System
-
Release Notes – RMS-LOG-L
-
Version: 1.6



Index

1. Version Overview	3
2. Rotronic Tracking System	3
3. Version Control	3
4. Compatibility	3
5. Version V1.6	4
5.1. Release Details.....	4
6. Version 1.4	5
6.1. Release Details.....	5
7. Version V1.3	6
7.1. Release Details.....	6
8. Version V1.2	6
8.1. Release Details.....	6

1. Version Overview

Please find below the meaning of the version.

- 1: Major version number.
- X.1: Minor version number.

2. Rotronic Tracking System

Rotronic use a tracking system to monitor bugs, features, improvements and change requests. This tracking system is the basis for any software, hardware and firmware User Requirement Specification based upon the GAMP@5 validation model.

Each point will be recognised with an ID (eg. RMS-XXX). A description and details are attributed to each point within the tracking system.

All changes documented within the RMS Release Notes will have an ID number and a description.

3. Version Control

Version	Release
V1.4	Daniel Schürmann
V1.5	James Pickering
V1.6	Denis Vujicic, 5 th of October 2022

4. Compatibility

Please see the online manual: <https://service.rotronic.com/manual/versionandchangecontrol.html>

5. Version V1.6

5.1. Release Details

• **Summary:**

This new firmware has been implemented due to a quartz that was used for the real time clock has been discontinued and has been replaced with another internal quartz. Rotronic took advantage of this firmware update to implement an improved watchdog feature.

ID	Description
11064-3182	Quartz replacement.
11064-3183	Improved watchdog feature.
11064-3097	When a data gap occurs, the user can push the try again button. Then the command to download the data from the logger is sent. Normally, if no data is available, "no data" will appear in the audit trail. With the RMS-LOG-L a "timeout" will appear instead of "no data".ers shows timeout instead of no data.
11064-2549	The RMS-LOG-L will not accept incorrect IP configurations.
11064-1121	With a key refresh, a new key is generated and the response is sent back with the new key. This interrupts the communication between the logger and the web service.
11064-1088	The Peripheral Module Disable Bits are only masked on a byte-by-byte basis, but should be masked on a word-by-word basis.
11064-991	The define PMD_ALL_OFF is only defined as a byte and not as a word. The high byte of the PMD register is therefore not set and the corresponding modules are not switched off. This could further reduce the sleep current.
11064-851	The manual write protection is automatically switched off in the new version of RMS-CONFIG. The feature is obsolete and can be removed from the source code.
11064-3121	Restore Default Properties in case of Reset the device and press the button. Several RMS-LAN-devices is this feature already implemented.

6. Version 1.4

6.1. Release Details

• Summary:

Enhancements/Improvements :

- Integration of follow sensors:
 - HCD (available)
 - HCD-IC (coming soon)
 - PCD-S CO2 Sensor (Q2 2018)
 - CCD-S differential pressure (Q2 2018)
 - LDP

- For operation of sensors with increased power consumption, the current limit at the sensor interface has been increased. A maximum continuous current of 70mA can be supplied
- For the operation of sensor with long measuring times, the sensor can activate a permanent supply
- The communication via HTTP to the web service (from V1.21) is encrypted packet content. The key exchange takes place with ECDH procedure, which is encrypted according to AES-128 CBC.
- During the pairing new additional information about the connected sensor will be transmitted. The web service (from V1.2) can thus suggest suitable measuring points during the pairing.

Bugs fixed:

- For serial numbers above 2147483647, the number in the DHCP host name was displayed as a negative number.

7. Version V1.3

7.1. Release Details

• **Summary:**

- The device now has a galvanically isolated supply. The voltage regulator originally used has been replaced as it has been discontinued.
- The following parameters can be read via the Modbus TCP standard commands (Function 4, Read Input Register):
 - Serial number of the device
 - Serial number of the connected sensor
 - Measured values 1 and 2 of the connected sensor
- When logging in to the DHCP server, the host name is specified in the form "RMS-LOG-L-00000000".
- Improve low-battery detection with a comparator
- If the network settings are written via the input mask in the device search for another device, the device restarts.
- When changing the date from the 30th to the 31st in the months of October and December, the 30th was changed directly to the 1st.

ID	Description
11064-326	RTCC, month change in Oct, Dec on 30th, instead of 31st.
11064-325	Discovery, reset when writing network settings on another device

8. Version V1.2

8.1. Release Details

This was the first release.