rotronic RMS-LOG-L-D Data Logger with Display Instruction Manual

RMS-LOG-L-D

Short instruction manual

Contents

GENERAL DESCRIPTION

Congratulations on your new RMS data logger. The data logger has an internal data memory of 44,000 measured-value pairs and transmits these values continuously to the RMS software by Ethernet. These short instructions describe the main functions of the device.

⚠ Please read these short instructions and the instruction manual at https://service.rotronic.com/manual/ carefully scan the QR code to open the instruction manual directly.

https://rotronic.live/RMS-LOG-L-D

COMMISSIONING

The device is supplied with power as soon as the data logger is supplied with 24 V (terminal block: V+ / V-) or PoE. Only then can the data be transmitted. The data logger can be mounted easily with the wall bracket. Choose a suitable position for measurement. Avoid disruptive influences such as sunlight, heating elements, etc. The device is connected to the RMS software by pairing.

Cloud integration

Integration of LAN devices into the Rotronic Public Cloud requires for the local network Port 80 to be enabled and a DHCP server must assign an IP address to the LAN device. For all other integrations, please check the online manual.

INTEGRATION OF A DATA LOGGER (PAIRING) IN 6 STEPS

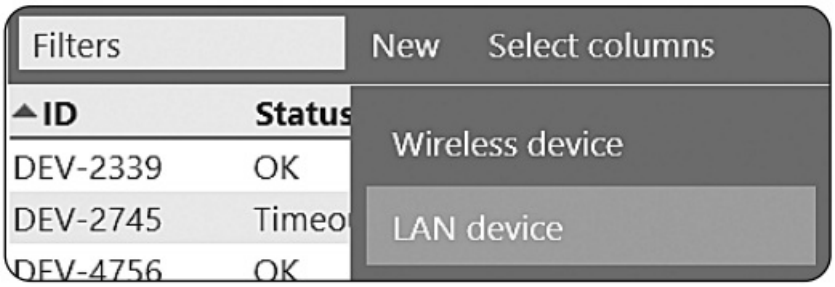
1. If you do not want to connect the LAN device to the Rotronic Cloud, the server must be configured in the device.

   a. Connect the device to the local network and start the RMS configuration software.

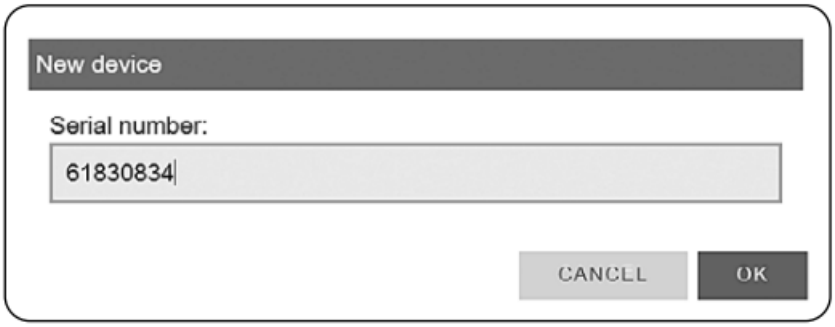
   b. Search for the device under Device > Search > Network Device. The software finds all RMS devices in the local network.

c. Enter the host (server address) and the URL of the software services under Settings. d. Finish configuration by clicking “Write”. Close the software.

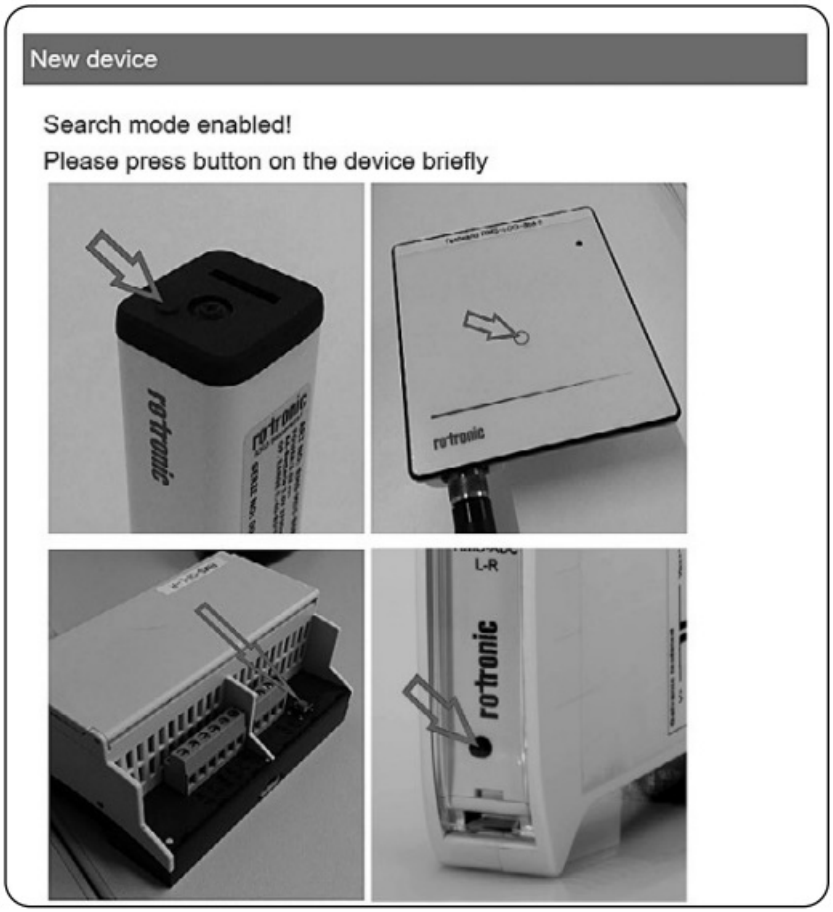
2. Log into the RMS software/Cloud. Select Tools > Setup > Device > New Wireless device or LAN device.



3. LAN device — Enter the serial number of the device.



4. Wait until the device flashes orange. Briefly press the button on the device as shown in the picture of the RMS software. The LED flashes green when the connection is successful.



5. Configure the device.
6. Finish configuration.

LED INDICATORS

State	LED function	Meaning
Connected	Flashes green	Status OK, data transmitted
	Flashes orange	Device not connected to the Internet
	Flashes red	1. time: low battery, replace soonest 2. times: no probe connected
Not connected	Flashes orange	Device waiting for integration into the software

ACCESSORIES

- **RMS-PS:** Power supply, 24 VDC, 15 W
- **E2-OXA** :Extension cable, various lengths

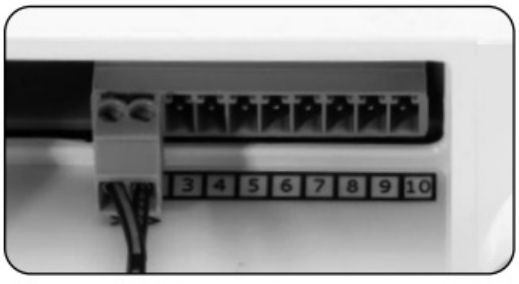
TECHNICAL DATA

General specifications

Measurement interval	10 s to 300 s
Startup time	< 10 s
Software compatibility	V1.3.0, from V2.1 all functions
Application range	-20…70°C, non-condensing
Storage conditions	-20…30 °C, non-condensing
Maximum altitude	2000 m ASL
Power supply	24 VDC ±10 %/ Battery: RMS-BAT (2xAA, LiSocl2)
Max. current consumption	50 mA
AC adapter requirements	24 VDC ±10 %, 4 W minimum,) 5W Limited Power Source
PoE	802.3af-2003, Class 1
Device data	
Order code	RMS-LOG-L-D
Ethernet cable requirement	Min. Cat 5, SFTP, max. 30 m
Interface	Ethernet
Protocols	HTTP / ModbusTCP
Number of measuring points	2
	HCD-S / HCD-IC: 7 d

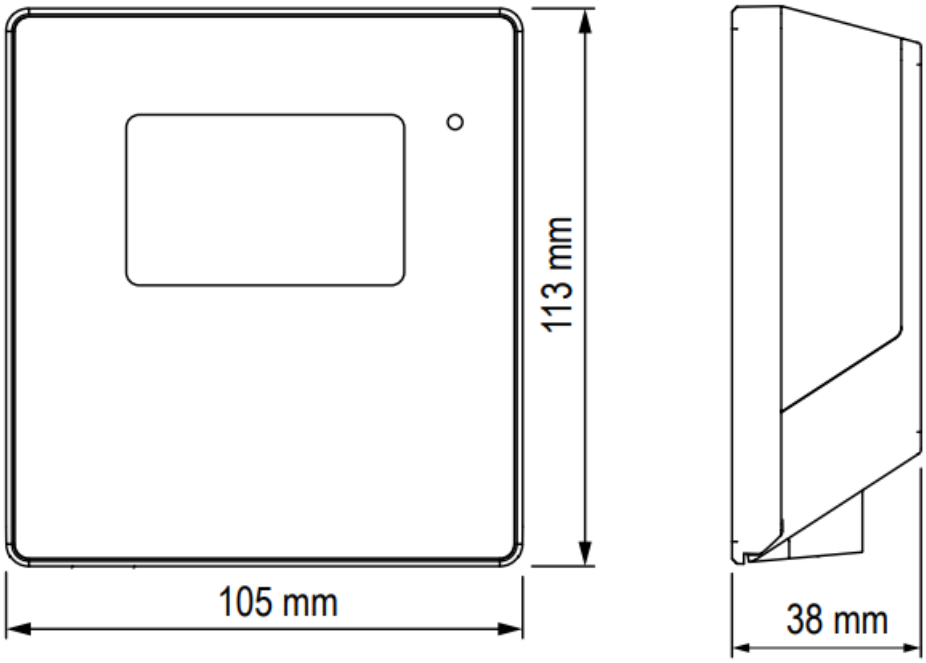
Battery life (@60 s & 600 s interval)	CCD-S-XXX: 2.4 d
	PCD-S-XXX: 15 d
Storage capacity	44,000 data points
Conformity with standards	
Soldering material	Lead free / RoHS conformity
FDA/GAMP directives	21 CFR Part 11 / GAMP 5
Housing / Mechanics	
Housing material	PC. ABS
Dimensions	105 x 113 x 38 mm
IP protection class	IP65
Fire protection class	UL94-V2
Weight	240 g

CONNECTIONS



Marking	Function
Ethernet	PoE / Ethernet interface
V+	Power supply +
V-	Power supply –

DIMENSIONS



DELIVERY PACKAGE

- Data logger, with clamps
- Short instruction manual
- 2 batteries
- Certificate
- Velcro strips

Any changes or modifications to this device not expressly approved by the manufacturer could void your authorization to use the device.

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www.rotronic.com

12.1264.010

Documents / Resources

	**rotronic RMS-LOG-L-D Data Logger with Display** [pdf] Instruction Manual RMS-LOG-L-D, Data Logger with Display, RMS-LOG-L-D Data Logger with Display, Data Logger

References

- service.rotronic.com/manual/
- IIS Windows Server
- service.rotronic.com/manual/