



Alfen NG9xx series Release notes

Release notes version 4.15.4
Document version 1.1

July 21, 2021

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1 Introduction

This document describes firmware version **4.15.4**

Release history

This firmware was preceded by released version 4.15.2 and 4.15.0 (both used in production). This firmware was preceded by unreleased version 4.15.1 and 4.15.3.

The updates of 4.15.2 are also included in 4.15.4.

There have been no changes to the error codes nor to the backoffice configuration keys, therefore in this release the version 4.12 of the error code documentation and the 4.14 of the backoffice configuration keys are still valid for this release of firmware.

2 Details

Version 4.15.4 supports new kWh-meters in the Eve Double Pro-line. However the firmware change will be rolled out to all other models as well.

2.1 Overview

- 4.15.2 - Added support for the Reallin kWh-meter on the left socket of dual socket stations (combined with an ABB meter). This might also work on a double socket even if the two installed meters have different baudrates.
- 4.15.4 - Added support for using 2 Reallin kWh-meters on both sockets of dual socket stations.

2.2 Modbus register support

The new Reallin meter does not support all register values of the ABB B21/23. Refer to below parameter list.

This will not impact the charging station behavior. However, it is possible that selected register values are used in your backend or EMS system. Please carefully check the parameter list accordingly.

Modbus register details

Modbus register values not supported in the Reallin D3001 kWh-meter
Voltage L1-L2
Voltage L2-L3
Voltage L3-L1
Current N
Power reactive sum
Power reactive L1
Power reactive L2
Power reactive L3
Power apparent sum
Power apparent L1
Power apparent L2
Power apparent L3
Energy apparent sum
Energy apparent L1
Energy apparent L2
Energy apparent L3
Energy reactive sum
Energy reactive L1
Energy reactive L2
Energy reactive L3



REMARK

Product functionality will not be impacted by this firmware change

2.3 Hardware Release note

The above kWh-meter change is also described in the Hardware Release Note 07-2021

3 Deployment of the firmware

Products	All models (Eve Single S-line Eve Single Pro-line, Eve Double Pro-line, Twin 4XL, Eve Double PG-line)
Timing	Production week 28-2021 onwards



REMARK

Charging stations with the new kWh-meters should not be downgraded to an older firmware revision because the new kWh-meter will not work with older firmware.

4 Improvements

None

5 Back-end communication changes

No changes

Property	Description	Values	Access
Added			
Modified			
Removed			

6 Errorcode changes

No changes

7 Minor changes

None

8 Roll-out heads up

None

9 Revision control

Date	Version	Description / status
2021-May-25	1.0	Initial version
2021-July-16	1.1	External revision