

Rotronic Conventional Product

Release Note – PF4 / PF5

Version: 1.2



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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. A description and details are attributed to each point within the tracking system.

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

3. Version Control

Version	Release
V1.0	Yanick Ungricht, Release 28 th of June 2016.
V1.1	Yanick Ungricht, 18 th of August 2022.
V1.2	Sami Qazimi, 28 th of March 2023

4. Version V1.2

4.1. Release Details

The onboard ambient pressure sensor is phased out and as of such replaced. The hardware and firmware were adapted accordingly.



Attention: A Modbus address was required, which had to be +1 higher than the set RS485 address. To correspond to the Modbus standard this was adapted so that the RS485 address now corresponds to the Modbus address. Customers who update their PF4 / PF5 with the new firmware must adapt their network accordingly.

The HygroSoft automatically recognizes the firmware version of the connected PF4 / PF5. If this is older than the current firmware, a button appears in the device menu with which you can update to the latest firmware (see picture below).



4.2. New Features

ID	Description
-	-

4.3. Improvements

ID	Description
11133-3333	The RS485 address now corresponds to the Modbus address.
11133-3332	Replacement of the ambient pressure sensor.

4.4. Bug Fixes

ID	Description
-	-

4.5. Known Errors

N/A

4.6. Risk Analysis

The PF4 / PF5 firmware has been tested.

The severity must be judged by the end user to define the risk class. The detectability will depend on how the customer uses the PF4 / PF5 and as of such must be defined by the customer.

5. Version V1.1

5.1. Release Details

The main target of this firmware version has been to exchange the discontinued external 8MHz resonator, the internal 8 MHz RC oscillator is activated. Additional beside of the moving average filter an exponential filter like the “old” PF4 will be installed and can be used with the introduction of the Software Hygrosoft.

5.2. New Features

ID	Description
11133-3154	Switching function implemented between average filtering and exponential filtering and can be used in future together with the Hygrosoft software

5.3. Improvements

ID	Description
-	-

5.4. Bug Fixes

ID	Description
-	-

5.5. Known Errors

N/A

5.6. Risk Analysis

The PF4 / PF5 firmware has been tested.

The severity must be judged by the end user to define the risk class. The detectability will depend on how the customer uses the PF4 / PF5 and as of such must be defined by the customer.