Release notes

Release 1.10

<u>Improvements</u>

Wizard
- Added a new wizard page for duct pressure sensor setup.
- Toggle for activization is now visible both under wizard and peripherals when preheater is set to electric.

Peripherals
- Added sensor ID to alarm popup when pressure sensor during lost communication.
- Fixed issue where communication with Modbus sensors could behave erratically.
- Improved hysteresis for Heat pump(Q5) when activated.

Temperature
- Max supply setpoint temp is set to 40°C if electric heater is used, otherwise 60°C.
- Optimized temperature reading on all temperature sensors.
- Fixed issue for T5 temperature to avoid false triggering of alarm.

Filter
- Fan speed increase now has correct max limit 50%, previously 500%.
- Period can now be set in interval 1-12 months.
- Fixed bug where filter measurement mode in Service/Setup could get stuck at "Period".
- Filter alarm reminder now has button to go to Service/Setup.

Communications
- Fixed issues regarding the cloud communication that could cause restarts.
- When switching from DHCP to Static, only IP is reset (to 0 or previously stored static IP), Gateway, mask and DNS is kept from DHCP.
- Added network toggle to Installation/Communication page.
  Note: Network settings are visible if network is activated or if Modbus is set to TCP/IP.
- Changing Modbus baud rate via Modbus TCP/IP no longer breaks communication.

Operation info

- Operation Info page rework.
- Info rows for afterheater and preheater is only visible when selected.
- Operation Info page no longer block additional display units with popup.

General
- Dashboard functions will get yellow border if functions with higher priorities is running.
- Imperial units are now correctly shown on lock screen.
- More help texts are now added and can be find under the ?-button.
- Away toggle is now yellow during Extended operation.
- Extended operation toggle is now yellow during Overpressure.
- A complete popup will now appear when using load/save functions.
- PID regulation menu on Fan regulation page are now hidden when not used i.e., when regulation mode is set to '%'.
- Preheater temperature setpoint setting moved from Temperature regulation to Alarm parameters.

- Improved hysteresis when switching between regulation registers.
- Regulation mode Room S/W know use correct regulation mode during summer and winter changeover.
- If boost or away is active when unit has been restarted (e.g. after power loss), CPC regulation will run in standard mode until setpoint is reached (within 10%) before returning to boost or away. (Startup 2nd phase)
- Memory optimizations for better performance on display units.

New functionality

- Critical settings are checked if set at device start-up request.
- Menu locked popup is now shown while trying to enter a service menu that is prohibited.
- Added a popup informing if critical settings aren't set at device start-up.
- Added handling of alarm popup clearing.
- Added a new function to load default values set from factory.
- Function extended operation can now be activated in the display and operation time is visible under Service/Setup.
- Now possible to switch between overpressure or extended operation function on home screen. Option toggle in general settings menu determines whether overpressure or extended operation button is shown on home screen (default=overpressure)

Modbus improvements/changes

Added range limit on modes possible to set via Modbus.
For more information about functions, see the Modbus register document.
- 0x00007 now expose extended operation status.
- 1x00008 now displays ext sum/win switch status.
- 1x00009 now displays ext stop switch.
- 1x00031 now displays effective recovery status.
- 1x00035 is now showing pump alarm (heating) status.
- 1x00036 is now showing pump alarm (cooling) status.
- 1x00037 now displays active VOC control (previously displayed on 1x00039)
- 3x00030 now displays value in the range [-255, 255], depending on heat/cold recovery.
- Display active changeover correctly in modbus 3x00034: 1 during active changeover, otherwise 0.
- 4x00030 is now correctly limited to 0-2 (None, NO, NC)
- 4x00034 is now correctly set as RFU (=0)
- 4x00138 & 4x00139 now RFU (previously illegal)
- 4x00910 - 4x00914 display and set service menu prohibit settings.
- 4x00920 - 4x00925 now display value x100 (2 decimals)
- 4x00926 - 4x00937 now display value x10 (1 decimal)

Made alarms visible as active in Modbus until alarm is reset (e.g. via GUI/display).
Affected Modbus registers:

1x00010	1x00020	1x00035	1x00042	1x00050
1x00011	1x00021	1x00036	1x00043	1x00051
1x00013	1x00022		1x00046	1x00052
1x00014	1x00023		1x00047	1x00053
1x00015	1x00024		1x00048	1x00054
1x00018	1x00025		1x00049	
1x00019				

Release 1.09i

Fixed restart problem occurring after USB update.

Release 1.09h

Alarm rows on pages Active/Historic alarms are now red or yellow depending on alarm class.
Filter monitoring is now also available under installation menu.
Unit now support Emergency/Service stop for integration of exercise of fire damper.
Fixed communication error that could appear when using active dock.
Fixed issue where static gateway would interrupt cloud communication and restart unit.
Improved cloud stability.
Made it possible to use network without having Cloud on.
Network settings on page Installation/Communications can no longer be manually set when DHCP is enabled.
Fixed temperature sensor fluctuation around 0°C.
Max temp. setpoint can now be set to 60°C instead of 40°C when water heater is selected.
Temperature sensors in modbus are now shown with one decimal.
Filter change days left now display same as modbus (rounded up number of actual days left, i.e. display 1 day left for 0.5 days left)
Modbus:
-   4x920-946 PID parameters in order: (Kp/Ti/Td)
    Exhaust/Supply/Heat/Recovery/Cool/Room/Rh/CO2/VOC
-   Lost communication alarms (1x50 Duct sensor, 1x53 Mini expansion)

Release 1.08c

Fixed bug that forced unit off when filter period had ended.
Fixed bug that only displayed 0 in modbus register 4x3-6. Now displays the fan speed settings correctly.

Release 1.08b

Code string added for production test.

Release 1.08

Support for Cooling I/O-module.
Support for Modbus pressure sensor for Constant Pressure Control (CPC)
Fan PID page added for access to individual PID parameters for Supply- and Exhaust fan.
Improved scan ability for modbus alarm register and modbus input register.

Release 1.06j (Hotfix)
Optimized PID values for heater (Kp: 0.8, Ti:200)
Note: New PID values <u>will</u> overwrite existing values. If existing values should be used, note them down before updating firmware.
Filter period popup shows 12:00 after period has ended and comes with a reminder next day 12:00 if not filter period is reset.
Improved rotor startup.
Improved after heater alarm monitoring.

Release 1.06i (Hotfix)
Readjusted radio parameters.

Release 1.06h (Hotfix)
Battery charge parameters adjusted.

Release 1.06g (Hotfix)
Improved GUI responding time.
Improved battery handling.
Improved radio traffic handling.

Release 1.06f (Hotfix)
Improved generation of pairing-keys when paring a display.
Note: repairing of display may be necessary when upgrade to 1.06f or higher.
Paring key is now also visible in pairing menu.

Release 1.06e (Hotfix)
Updated energy power-save mode.

Release 1.06d (Hotfix)
Added functionality for display dock. When display is docked, pairing key is set for radio. This applies even if radio may already have a pairing key from earlier HERU unit.

Release 1.06c (Hotfix)
Fixed radio pairing not turning off. Now turning off after 10s.

Release 1.06b (Hotfix)
Improved functionality of touch display.

Release 1.06
Display:
- Week schedule, now allows time schedule overnight (ie 18:00 -06:00)
- Fixed weekday scheduler error, programs not activating
(Note: After update to 1.06, re-save program from remote to fix set schedules)
- Service/Setup/Cooker hood: Settings only visible when accessories are connected
- If missing pairing ID remote will show "No communication" directly
- Lock-screen now show extract air temp when room sensor is not present
- Pressure sensor, new pressure ranges added
- Settings / Network menu: Improved menu clarity

Language:
- Czech language added (1.06)

- Advanced home screen: Exhaust fan label corrected
- Fan regulation menu and setup wizard: Exhaust fan label corrected
- Corrected translation regarding Load/Save settings, Setpoint adjustment and Cloud settings.

Cloud-services:
- Fixed restart bug with cloud service

Modbus register fixes:
- Currently running week-program: correct value displayed
- Set of date & time now working
- Rearranged and added registers (ref: Modbus Registers IQC v1.1)
- Missing RFUs now enable read and return "0" allowing scan of registers.
- Modbus TCP/IP: Transaction ID error solved.

Release 1.04b (Hotfix)
Fixed bug related to fans. Caused fans to stop after 20 days.

Release 1.04
Fixed bug related to cloud service.

Release 1.02
Minor bugfixes.

Release 1.00
Initial release.