Exigo 4.x updates and changes

In this document you will find what is changed and what has been updated between the different releases of Exigo since revision 4.2-1-01.

4.3-1-07

General

- Fixed a problem in BACnet communication (wrong event messages on alarms) which came in in revision 4.3-1.06

4.3-1-06

General

- Added supply and return temperature of M-bus meters as objects to BACnet.

4.3-1-05

General

- Rework/Update on M-Bus-driver to fix problem in communication with special models of meters

Cloudigo

- Fixed Swedish translations for UAI1 and UAI2

4.3-1-04

General

- Small updates on translations and texts (mainly French).

Application program

- Bug fix in the HS2 Pump exercise block.
- Updated alarm text 81 and 102 (HWx alarm disinfection) in all languages
- Fixed bypass valve HS1-4.
- Fixed Exigo Pump/valve exercise.
- Added temperature alarm HW1/HW2 circ return low temp to modbus.
- Fixed issue when configured a "Split valve" but not configured the I/O "Seq control of actuator HS1-DHS1".
- Added Sumalarm readable via Modbus
- Added feature to reset Port 1 and 2 configuration via Modbus.
- New registers in Modbus to do manual setting override on outputs.

Text display

- Added Heating Primary menu.
- Fixed pump DO output text.

Application tool

- Fixed polish alarms in the tool.
- Fixed modbus communication port 2 visibility.

Cloudigo
- Fixed HSx supply temperature variable in Actual/Setpoint tab.
- Added Pump shutoff settings.

4.2-1-10

General
- Small updates on translations and texts (mainly French).

Application program
- Bug fix in the HS2 Pump exercise block.
- Fixed bypass valve HS1-4.
- Fixed Exigo Pump/valve exercise.
- Fixed issue when configured a "Split valve" but not configured the I/O "Seq control of actuator HS1-DHS1".

Text display
- Fixed pump DO output text.

Application tool
- Fixed polish alarms in the tool.
- Fixed modbus communication port 2 visibility.

Cloudigo
- Fixed HSx supply temperature variable in Actual/Setpoint tab.
- Added Pump shutoff settings.

4.3-1-03

General
- Added support of Polish language.
- Some updates on translations in Application tool, text display and Cloudigo.
- Changed the name of the predefined configuration 118_HCVxxxx-x_DH3p_HWTS_HS3p.atf to 118_HCVxxxx-x_DH3p_HWTS_HSpu.atf.

Application program
- Fixed a bug on AI3 and AI4 on expansion unit 2 in case of an Ardo 15 expansion unit.
- Low return temperature in HW1 and HW2 will now trigger the alarm of disinfection.
- Fixed a problem on Vido controller with 20IO where UA27 and UA28 wouldn't work properly after a power up.
- Fixed a bug with a wrong scaling for AO3 in HCV203DWM-2.
- Force the type of sensor to the correct one when using a Vido 19IO expansion unit.

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- Alarm high supply in HS1 was not detected.
- Changed the low limit of I-time in the PI-controller of Universal limitation in HS from 0 to 1.
- Changed the max. limit of differential pressure in Heating system from 100 to 2000.
- Acknowledge all alarms and reset alarm list after a predefined configuration is loaded.

Text display
- Fixed a bug in the remote control via text display.
- Moved manual displacement of HS to the top of the menu Setpoint in the text display and removed access level.

Application tool
- Setpoints of different comfort periods in HS and HW are only shown in Application tool if the period is configured in the timer channel.
- Tooltip in Application tool (information about the parameter) shows information about Modbus, if available.

Cloudigo
- Added support of API to Cloudigo.
- Added new a function to displace the heating/cooling curve via API with reset after loss of communication.
- Values of wireless sensors of consumption from energy meters are added to the logging in Cloudigo.
- Added HW circulation pump to the overview in Cloudigo.
- Small fixes in Cloudigo.

4.2-1-09

General
- Added support of Polish language.
- Some updates on translations in Application tool, text display and Cloudigo.

Application program
- Fixed a bug on AI3 and AI4 on expansion unit 2 in case of an Ardo 15 expansion unit.
- Fixed a problem on Vido controller with 20IO where UA27 and UA28 wouldn't work properly after a power up.
- Force the type of sensor to the correct one when using a Vido 19IO expansion unit.
- Alarm high supply in HS1 was not detected.
- Changed the low limit of I-time in the PI-controller of Universal limitation in HS from 0 to 1.
- Changed the max. limit of differential pressure in Heating system from 100 to 2000.

Text display
- Fixed a bug in the remote control via text display.
- Moved manual displacement of HS to the top of the menu Setpoint in the text display and removed access level.

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- Tooltip in Application tool (information about the parameter) shows information about Modbus, if available.

Cloudigo

- Added support of API to Cloudigo.
- Added new a function to displace the heating/cooling curve via API with reset after loss of communication.
- Values of wireless sensors of consumption from energy meters are added to the logging in Cloudigo.
- Added HW circulation pump to the overview in Cloudigo.
- Small fixes in Cloudigo.

4.3-1-02

- Issue with negative values in temperature difference calculation in M-bus Energy meters is fixed
- We fixed a problem in the calculation of the supply setpoint if the building inertia was greater than 0.
- We fixed a bug in the calculation of pump runtime in Heating system 3 and 4.
- Calculated pump runtime was not shown correctly in text display.
- Some corrections in texts and translations.
- Correct handling of analogue inputs of Vido controllers.
    - ✓ AI1 – UAI4: only Pt100, Ni1000 and Ni1000LG
    - ✓ UAI27 - UAI28: only 0-10V
    - ✓ Fixed visibility conditions if Vido is used as expansion unit
- Default value of setpoint in Domestic hot water system is changed from 50 to 55
- Added alarm limits for system pressure to the text display.
- Port 2 will not be visible in Application tool if the selected model is a model with built in M-bus.
- Correct handling of HCA283WM-4 in Application tool.

4.2-1-08

- Issue with negative values in temperature difference calculation in M-bus Energy meters is fixed
- We fixed a problem in the calculation of the supply setpoint if the building inertia was greater than 0.
- We fixed a bug in the calculation of pump runtime in Heating system 3 and 4.
- Calculated pump runtime was not shown correctly in text display.
- Some corrections in texts and translations.
- Correct handling of analogue inputs of Vido controllers.
    - ✓ AI1 – UAI4: only Pt100, Ni1000 and Ni1000LG
    - ✓ UAI27 - UAI28: only 0-10V
    - ✓ Fixed visibility conditions if Vido is used as expansion unit

4.3-1-01

- Change of hardware generation from HCA-3 and HCV-1 to HCA-4 and HCV-2.
    - ✓ New available models are:
        - o HCA152W-4
        - o HCA152W-4
        - o HCA282DW-4
        - o HCA283WM-4
        - o HCA283DWM-4
        - o HCV191DW-2
        - o HCV192DW-2
        - o HCV203DWM-2
    - ✓ New revision of software, 4.3-1-01 and higher, will work on HCA-4 and HCV-2 ONLY.

- ✓ Software will not work on a Corrigo5.0 hardware VCA-4 or VCV-2, it is locked.
- ✓ Exigo software 4.1 and 4.2 will ONLY work on old models HCA-3 and HCV-1
- Predefined configurations are added to controller and selectable via text-display.
- Updated Manual, new models and description about predefined configuration is added.
- Description of predefined configurations is added to the help-menu of Application tool.
- Improvements on Application Tool:
  - ✓ New options in Menu Alarms to be able to filter alarms.
  - ✓ Rework on the function to reload a controller.

4.2-1-07

- Fixed a problem in the timing of HWx supply-temperature control. There was a delayed reaction on the output.
- The scaling of the analogue input "Differential pressure" is changed from 0-100 to 0-10000, default is 10000 (kPa)
- Fixed a problem in function Increase/Decrease, the corresponding output was not permanently switched on when the actuator was at 100% or 0%.

4.2-1-06

- Translation updates.
- Changes in Modbus-Slave:
  - ✓ Added the OutdoorModbus variable to the Modbus slave variable list, so it gets printed when the user wants to print the configured variable list in Application Tool.
  - ✓ Increased all Modbus addresses by one in the generated Modbus slave configured variable list so it matches the variable list pdf.
  - ✓ Duplicated the Energy and Volume Modbus slave input registers. They are now in KWh instead of MWh and $0.001m^3$ instead of m^3.
  - ✓ Added the new energy meter variables to Modbus slave list.
  - ✓ Variable list file updated.

- Fixed some hide/view conditions in the tool and display (start/stop heating/cooling in HS, HW boost supply).
- Fixed HS1-4 room temperature average function.
- Changed the maxtemp. HWx default value from 70 to 80 and moved it in the tool from the configuration to alarm trigger.
- EXOline-address will be 254:254 at start-up.
- Removed the unit from heating degrees.
- Changed the valve runtime min limit for Increase/Decrease from 30 s to 20 s.

4.2-1-05

- Fixes in translation in Application tool, display and CLOUDigo.
- Fixed visibility conditions in Application tool, parameters manual displacement, slope and exponent in Heating systems.
- Fixed visibility condition in Application tool and controller application, parameter boost supply in Hot water systems
- Fixed AlarmShutdown function - DI shutdown was not working, and disabled alarm actions were being considered, now they are not.
- Alarms shutdown now only works if alarm class is A or B.

4.2-1-04

- Added alarm translations in Italian.
- Added French and Swedish tool translations.

- Updated Dutch alarm texts.
- Added Italian and Dutch to the display languages.
- Updated German texts in CLOUDigo
- Removed some alarm triggers because the variables were repeated, and the tool did not behave well when loading all the parameters.
- Added controller description field to tool configuration.
- Fixed an issue in the cooling setpoint supply new limitation where it did not obey the min. and max. limit of the setpoint.
- HS (1-4), Actual/Setpoint, Main Setpoint: Manual parallel displacement will be visible if DIN-curve is selected
- HS (2-4), Actual/Setpoint, Main Setpoint: Slope and Exponent will be visible if DIN-curve is selected
- The range of the parameter Time at "Pump / valve exercise" is changed to 0-600 instead of 30-600.
- Updated text in district heating (minimum and maximum).
- Fixed an issue in the display where the DIs couldn't be configured (besides the DI1 and DI2).
- Added Heating System cooling setpoint limitation depending on the CP supply setpoint to controller application and tool configuration.
- Fixed an issue in Port1 which could result in wrong configuration of the port.

4.2-1-03
- Fixed the electricity meter conditions in the text display (pulse input and M-Bus meter were switched).
- Text-display now has 1 decimal case in HSx heating and cooling constant setpoints and 3 decimals in electricity M-Bus meter.
- Fixed some conditions in the tool (HSx heating and cooling constant setpoints) and HS2 Curve Y4.
- Updated French translations.
- Fixed the condition of the M-Bus meters menu in the tool.
- Changed the MeterVar variable El kWh so the electric meter are calculated in MWh.
- Implemented a new M-Bus meter (electricity) and consequently updated for example: Tool, Display, Modbus slave, BACnet and CLOUDigo.
- Added the Dutch translation to Exigo tool.
- Fixed a bug in all double pumps when the system was running in manual mode and there was a power cycle.
- Added AlarmsActiveVariable to the tool configuration.
- Added manual in German to the tool.
- Added visibility conditions to remote control of HS2, HS3 and HS4.
- Improved the visibility conditions for use of extra sensors in all HS and HW.
- Updated some boiler hide and view conditions in the tool.
- Added German to the tool languages.
- Implemented two new features:
  - ✓ Outdoor via communications time out. 0 means it will always use the value of the Modbus variable.
  - ✓ Substitute sensor for HWx supply.

- Fixed an issue on the display that results in a malfunction in the emulator of ED-T7.
- Fixed an issue on the Manual/Auto of the boiler that prevented it from working if the manual/auto setting and pid_manset were not changed in a specific order.
- Fixed some issues in the display (wrong text-select on Cor_HBPID_Select and Ni1000LG was missing in the sensor type options).

- Fixed the text-select of the Boilers in the tool (On (normal effect) and On (high effect) were missing in the Burner field).
- Added German to display languages.
- Added ControllerName string so it can be used by Application tool.

4.2-1-02

- Fixed wrong texts and translations in display, Application tool and CLOUDigo.
- Fixed wrong units (ºC to %RH in HSx dehumidity setpoint and ºC to kPa in differential pressure).
- Fixed Heating system 1-4 extended run function (It was missing the new status Night).
- Changed the BACnet CoV of the temperatures from 0.05 to 0.3.
- Solved the CoV issue in BACnet - now we can subscribe variables to CoV.
- Added a workaround to the BACnet schedules because BACnet doesn't support 24:00 that we use in the time channels.
- Fixed an issue in Exigo 4.2 regarding the room temperature average active and room temperature active.
- Removed unused alarm 199 from the alarm settings menu in CLOUDigo.
- Fixed wrong order of options in the function priority.
- Changed the display room temperature variable from the RoomTemp to the RoomTempAver variable.
- Changed the CLOUDigo overview outdoor temperature variable to the actual value instead of the calculated one.
- Fixed the delayed outdoor function (type 2 - falling).
- Fixed the wrong order of options in the function return limitation boiler.
- Updated the HSx power limitation setpoint variable in CLOUDigo.
- Changed the unit of the flow in the consumption from l/min to m3/h.
- Fixed the Start display combobox in the Exigo 4.2 tool (hs1 + hw1 was missing).
- Changed the default values of all comfort times, system is now running 00:00-24:00.

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