



## Corrigo 5.0 updates and changes

In this document you will find what is changed and what has been updated between the different releases for Corrigo 5.0

### 5.0 -1- 17

#### **Application program**

Changes to the humidity control function that were made in version 5.0-1-10 have been cancelled (neutral zone refers to the output signal of the PID)

### 5.0 -1- 16

#### **General**

- Fixed wrong translations in Swedish and French language

#### **Application program**

- Fixed a problem at Flow-alarm which was not working
- Fixed wrong scaling in Modbus at Extra sensors
- Fixed a problem in communication with frequency converters from LS electric

#### **Web-Interface / Application tool**

- It is now possible to enter negative pressure values to configure systems with negative pressure control.
- Fixed a problem on not working status information in Application tool (Change-over indication and Manual/Auto of sequences)

### 5.0 -1- 14

#### **Application program**

- Added DX Split functions
- Added Swiss Rotor fan to Modbus master devices

#### **Web-Interface**

- Changed Regin logo and colour

### 5.0 -1- 13

#### **General**

- Fixed a problem in Bacnet communication which came in in revision 5.0-1.12

#### **Text display**

- Added Romanian language to text display

### 5.0 -1- 12

#### **General**

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- Small updates on translations and texts.

#### **Application program**

- Added DX Split functionality.
- Fixed alarm register of IBC VariMax 25M modbus.

#### **Text display**

- Added Norwegian language to text display.

#### **Web-Interface / Application tool**

- Added hide/view to device power factor.
- Added DX split menus.
- Fixed Sequence G Manual/Auto pop-up.

### 5.0 -1- 11

#### **General**

- Small updates on translations and texts.

#### **Application program**

- Fixed an issue that made the PID output (extract and room PID) be negative in certain conditions (only when controller was off, never affected outputs).
- Added the parameter "Summer Mode Setpoint" to Modbus and BACnet.

#### **Text display**

- Added Norwegian language to text display.

#### **Web-Interface / Application tool**

- Added Norwegian and Danish language to Web-Interface and Application tool.
- Changed limits for all parameters for flow from 60000 to 150000.
- Changed max limits for all K-factors from 2000 to 3000.
- Fixed modbus address in tool (mouse-over) and documentation (all addresses had received an offset of 1).
- Changed unit of HumidityStartLimit HumidityStopLimit from %rH to % in Application tool and Web-Interface.
- Added MotorHz and MotorPower to Vacon frequency converter.
- Removed a duplicate of summer mode outdoor temperature from Ventilation\Actual/Setpoint.

#### **Cloudigo**

- Added actual setpoint and summer setpoint to room and extract controller.
- Added summer mode submenu to actual/setpoint tab.

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## 5.0 -1- 10

### General

- Small updates on translations and texts.

### Application program

- Fixed a problem at NO/NC of DI's Summer/Winter and Feedback extra controller.
- Fixed a problem in Free cooling when it was activated via BMS, offset of the fans was not working in this mode.
- Added the setting of "ExtendedRunTime" to Modbus slave and BACnet.
- Fixed problems in communication with frequency converter LS iG5A and LS iS7.
- A Damper sequence is now working for dehumidification if selected.
- Fixed a problem in Free colling when there is only an intake sensor.
- Min and max limitation of SAF and EAF is implemented in another way to get a smoother behavior of the control loop.
- Fixed a problem in calculation of the fan power on different frequency converters.
- Fixed a problem in the dead-band of humidity control, it was not working correctly around the setpoint.
- Alarm of fire damper was triggered independent on the configuration of the feedback. This is fixed.
- Implemented a smoother start of the cascade temperature control when the system was off.
- Fixed a problem in the defrosting of the exchanger. The system did not change to Defrost Run in the correct way.

### Text display

- Added Norwegian language to text display.
- Fixed a problem at the unit of efficiency temperature.

### Web-Interface / Application tool

- Selected language in web-interface is stored in the controller.
- Parameter "Slave factor" of fans has now 2 decimals.
- Default setting of parameter "Cooling recovery" is changed to On.
- Fixed visibility condition on Freeze protection 1, 2 and 3.
- Fixed a problem in web-interface at the configuration of EAF pressure.

## 5.0 -1- 09

### General

- Small updates on translations and texts.

### Application program

- Fixed a problem in Free colling when there is only an intake sensor. The system stores the intake temperature of the last run and uses this temperature in the start condition of the function.
- Fixed a problem which could result in a blocked Extract air fan after system was running in support control mode.

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- The system will now respect the min and max limit of the fan speed during running mode "Fan stop run".
- Added setpoint offset variable to Modbus slave and BACnet.
- Analog inputs are forced to the correct type of signal if they are connected to Pressure A or Pressure B of a pressure transmitter.

#### **Text display**

- Added menus for manual control of fans and sequences to the text display.
- Fixed problems at the user levels in the text display.

#### **Web-Interface / Application tool**

- Parameters "Setpoint heating" and "Setpoint cooling" will no longer be changeable in the function support control. They need to be changed in Actual/Setpoint \ Supply air controller.
- Fixed fire/smoke manual setpoint visibility in Application tool.
- Fixed the visibility of fire/smoke manual setpoint in Application tool.
- Parameter "Frequency converter loss" is now changeable in Application tool and web-interface.

### **5.0 -1- 08**

#### **General**

- Added support of Turkish and Polish language.
- Small updates on translations.

#### **Application program**

- Fixed a bug on digital and analogue input handling of expansion units
- Fixed some bugs on ED-RUD-2, fan-function and extended run was not working correctly.
- Only alarms that have a stop action will be shown as "AXXX" on ED-RUD-2
- Fixed a bug in neutral zone which could lock the temperature control.
- Updated Cloudigo settings handling to avoid reset of the settings when there is a power cycle.
- Fixed bugs in communication and start condition of frequency converter VACON.
- Fixed communication problems with Presigo, PDT and PDTX.
- Fixed a bug in the function to block cooling.
- PID-CO2 is now disabled if the unit is stopped.
- Fixes in enthalpy and cool recovery function which could cause in a wrong function of CO2 control
- Fixed a bug where the format of port 1 was copied to port 2.

#### **Text display**

- Correction in the selection menu for manual mode in the text display.
- All BACnet settings are available in the text-display.
- Changed structure of the text-display so the settings of Cloudigo becomes more visible.
- Removed the option "None" from the parameter "Choose configuration file".



### Web-Interface / Application tool

- Alarm 58, Fire alarm: Alarm action is removed because it will be set automatically by the application.
- Additional information at inputs for flow, it will show the values of the pressure sensor if a pressure sensor is used for calculation of the flow
- Added parameter "Sequence output when fire/smoke" to all heating, exchanger and damper types of sequences
- Changed text on parameter "Time before auto log off".
- Limits of parameters K-factor is changed from 1000 to 2000.
- Min limit of parameters "Supply setpoint min / max" is changed to -20°C.
- Some fixes on step controller: texts and position in Web-Interface
- Fixed some small bugs in the configuration menus of flow and pressure inputs.
- Fixes on the visibility of parameter Commit IP settings
- Tooltip in Application tool (information about the parameter) shows information about Modbus, if available.

## 5.0 -1- 07

### Application program

- Outputs configured as PWM or Increase/decrease had not worked.
- An incorrect scaling of the speed of the Vacon frequency converter has been corrected.

### Text display

- Correction in the selection menu for manual mode in the text display

## 5.0 -1- 06

### Application program

- Alarm 194 - Internal alarm
  - ✓ Missing supply temperature sensor will no longer trigger the alarm, so it is possible to use the system without temperature control.
  - ✓ A hidden and not used DO and AO will not trigger the alarm.
- No longer needed but previously configured IO's will not show up in the list of Inputs/Outputs.
- Exhaust air damper will be closed during support control mode if the EAF is not running.
- Fixed bug, control signal was not sent to damper actuator via communication.
- A sequence configured as "Damper" can now be used for CO2-control without being configured as a temperature sequence.
- Increase/Decrease- and PWM-function
  - ✓ Functions are moved to a faster task to get a better resolution.
  - ✓ Only internal terminals of the controller can be used, it will not be possible to configure an output on an expansion as Inc/Dec or PWM.
- Reset alarms when ELA changes. This prevents alarm text to be empty in the display text.
- Changed limits of "Fan Slave factor" from 0-1 to 0-10.
- Fixes in the support of Vido-controller and expansion





- ✓ Selectable type of sensor is shown in the correct way.
- ✓ UAI's will now work as digital input.
- ✓ Changed then name for Vido Expansion from IO-V19MIXW-3BEM to IO-V19MIXW-1BEM.
- We removed the parameter "Start alarm delay" from the menu Ventilation\Temperature control\Exchanger because the correct place is Configuration\Functions.
- Fixes in function "Free cooling"
  - ✓ "Active sequence" will be displayed as "None" in case of free cooling.
  - ✓ Sequences will be stopped if the free cooling is running at low speed.
- Fixed a bug in temperature control. The controller was never switching to heating when the cooler was overwritten by dehumidification and the cooler was connected to a step controller.
- Startup of temperature sequences was not working correctly if the settings "Heating 1 0%" was selected.
- Fixed bug in ED-RUD-function. When setpoint offset is modified in Web-Interface or Application Tool the offset in display was not updated.
- Fixes in function "Summer/Winter mode"
  - ✓ Switch between Summer and Winter via Change-over was not working.
  - ✓ Switch between Cascade and outdoor compensated supply depending on the selected settings for "Summer mode".
- More information if the system is in Manual mode
  - ✓ Additional parameter in the menu Ventilation\Status to show that something is in Manual operation
- Default value of the alarm class of alarm "66 Defrosting alarm" is changed to class A.
- Fixes in Temperature control when an External temperature setpoint is used.
- Changed the text of "Alarm output" to "Alarm number to trigger output" (Configuration\Functions\Extra indications & outputs).
- Fixed bug in fan control type "Extract air fan pressure with supply air flow slave", wrong control signal to EAF.
- Fixed bug, VCV203DWM-2 was shown as "Exigo" in Application tool.
- Correction in translations in Russian, French and Swedish.
- Load of a predefined configuration will not change the language.

#### Text display

- Added missing Outdoor curve points 5-8 to text display.
- Flow values > 9999 will be shown correctly in text display.
- "Pressure filter supply air" was not visible in the display under Inputs/Outputs
- Fixes in function "Summer/Winter mode"
  - ✓ Restructuring of the information in text-display
- Fixed visibility conditions in the text-display to prevent empty displays.

#### Web-Interface

- Wrong number of AO has been displayed in Web-Interface if the device was a 28IO-expansion-unit
- Web-Interface: Configuration/Temperature control/ChangeOver2 - the combo box was connected to a wrong variable.

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- Fixes in function “Summer/Winter mode”
  - ✓ Fixed visibility of the summer setpoint of Supply, Room and Extract Actual/Setpoint views in Web-Interface and Application tool
- More information if the system is in Manual mode
  - ✓ A yellow hand is shown in the home-screen of the Web-Interface.
- Russian language is shown correctly in Web-Interface.

#### **Cloudigo**

- Added missing Outdoor curve points 5-8 to Cloudigo.
- Added Russian language to Cloudigo.

#### **New features**

##### **Application program**

- Added support for Regin damper actuator
- IP-settings in Application tool are saved to the atf-file.

##### **Text display**

- Added a mode switch to display as an easy access to manual control.
- Added configurable texts to Extra sensors 1-5 in text display.

##### **Web-Interface**

- Added a mode switch to Web-Interface as an easy access to manual control.
- Use different symbols in technical view depending on the type of exchanger and configuration.
- Added information in the house view to identify if it is the control signal or the efficiency of the exchanger.
- It is possible to define names for all components in the technical view.
- Simple view:
  - ✓ Alarm bell changes color to green if there is no alarm and the system is running.
  - ✓ Symbol of the clock changes color to green if the system is running.
  - ✓ Actual control temperature is added to the window where you can adjust the setpoint.

#### **5.0 -1- 03**

- Added support of Russian language to display, Application tool and Web-interface.
- Bug fix in Efficiency Exchanger, both in hide/view condition and calculation.
- Fixed some wrong translations in Swedish, French and German.
- Changed max limit of flow variables to 60000 m<sup>3</sup>/h.
- Update the scale some Modbus-parameters to be able to handle flow-values up to 60000 m<sup>3</sup>/h.
- Added new parameters to Modbus (Y-parameters of fan-compensation curves) with scale of 0.1 which can be used in case of flow-control.
- Added missing alarm limits for outdoor temp to Modbus and BACnet.
- Bugfix in Support Control code, function was not stopped by the timer-channel.



- Fixed the hide/view condition of frequency converter Omron.
- Fixed a bug in the calculation of flow via K-X from a pressure value.
- Fixed some bugs in predefined configurations.
- Updated document "Variable list" according to the changes in Modbus.
- 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.

## 5.0 -1- 02

- All alarms are acknowledged after reloading the controller
- The external display ED-RUD-2 is supported
- New function: The exchanger is stopped when the mixing damper is in 100 % recirculation
- Possibility to rename devices in Application tool and web interface
- A sub menu for finding information about IO's was added to the internal text display
- Updated translations in the internal text display
- The minimum time for log out in the internal text display is changed to 5 seconds.
- Information when the system is not running because of internal alarm (alarm 194)
- The terminal name is shown at Inputs/Outputs
- New max and min limits for supply and extract air fan speed.
- Modbus slave address is visible in Application tool and Web-Interface
- The outdoor compensated curve is updated to an 8-point curve
- New submenu in *Ventilation*-menu: Energy consumption. Parameters associated with fan power and energy consumption with history function.
- Improved handling of C-alarms and alarm actions that stops the unit.
- Dynamic texts – User defined texts will be used instead as menu title, or in selection-boxes instead of the static texts.
- The max limit for all pressure values is set to 10000 Pa.
- A delay is added between the steps in the fan step controller – the outputs are switched off for 2 seconds when changing the steps.
- Updated translations for Corrigo software.
- Wrong alarm text of Alarm 181 is fixed.
- Time channel 4 is now visible in the Web interface if the timer is used for recirculation or extra motor control.
- Fixed bug: Menu Demand control – Recirculation was not visible in web interface
- Frost protection is opening the valve and starting the pump in case of a broken sensor.
- You need to be logged in to change time and date via the web interface.
- The unit and the scale of the power consumption of the fans is changed to one decimal an kW.
- The Corrigo manual and variable list is updated with the changes.
- A simple home screen is added as an option in the web interface.

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- A technical flow chart home screen is added as an option in the web interface.
- A simple trend / signal analyzer is added – log of up to 8 analog and 8 digital signals in 3 different resolutions, log time up too one week.
- Overall improved performance of web interface.

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