OJ-Air AHC-3000-X Software 1.20

Software 1.20 is now released for up-grade by the free PC tool and will be introduced into the production at OJ Electronics on all new orders.

Changes

Compared to version 1.11 there were following improvements:

Functional description

No changes.
The "Functional description AHC-3000 01" available at OJ Electronics customer log-in is still valid.

Functionality

- AHU types 50.000 and 100.000m^3/h added.
- Counter and Crossflow Dynamic De-icing cycle are now enabled at flows below 30% fan speed.
- Counter and Crossflow ice protection factory settings are changed from -5 to +1ºC and P-band from 20 to 5ºC. The old settings will not be affected by a software upgrade.

HMI-35T

- Home screen added Heat recovery set-point and the heater coil set-point for now includes active override value.
- Home screen status text "Airflow reduced" changed to "Excessive supply air heat demand, Airflow reduced".
- Screen saver displays %RH and CO2 depending on control loop.
- Airflow is only shown if corresponding pressure transmitters are installed.
- Zero calibration buttons are only shown if pressure transmitters are installed and the current operation is "Service STOP" or "STOP.
- Min. and Max. supply temperature settings moved to the top of menu TEMPERATURE- CONTROL LOOP.
- Current Water temperature moved up to the 3rd line of menu TEMPERATURE- WATER HEATING C.
- Control loop "Fan Slave" is now shown depending on installed fans.
- External Fire set-points, Boost set-points and Commissioning menu now only includes installed fans.
- Water heating coil now only shows Heater relay 1.
- AHU type extract can't be added heating/cooling coils.
- DRHX check mark in SETTINGS-CONFIGURATION-AHU FACTORY-DRIVES is only set if a DRHX was detected by auto configuration.
- Summer night cooling Fan set-points changed to percentage of max. range.
- Fan set-points limited to current AHU size (m3/h) and current pressure maximum (Pa).

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- Service stop is automatically activated if AHU-type setting is changed in menu SETTINGS-CONFIGURATION-AHU TYPE.
- Service stop is automatically activated if heating/cooling coil selections are changed in menu SETTINGS-CONFIGURATION-AHU FACTORY-HEATER or –COOLER.
- Water temperature sensor is automatically set/removed when the water heating coil is selected/deselected.

BMS Modbus
- Edited TCP/IP primary and secondary DNS settings are now saved and not affected by a power cycle.

Alarms
- Text corrected in Alarm 0102 to "Smoke alarm via digital input"

OJ-Air2-HMI-20T
- No changes.

Cloud
- No changes.

Compatibility
No changes are required when upgrading from software version 1.11 to 1.20.

Software versions
- AHC-3000-X software 1.20
- AHC-3000-HMI-35T software 1.20
- OJ-Air2-HMI-20T Software 2.03

Affected articles
- AHC-3000-T
- AHC-3000-B
- AHC-3000-S
- AHC-3000-HMI-35T

Coming into force
Version 1.20 was released in week 28 2020

Coming features to be released:
- Satellites   3$^{rd.}$ quarter 2020.

Software Upgrade
The files are available at OJ Electronics Customer Login:
https://ojelectronics.com/support and can be upgraded using PC-Tool
vers. 1.2 or higher.

- AHC3000_MCUSW_120_00_0000.zip

OBS: In order to make a safe software update please follow below
procedure:
1. Remove power plug from AHC-3000
2. Connect USB to RS485 cable to AHC-3000 HMI port
3. Power up AHC-3000
4. Update the AHC-3000 controller by the PC tool
5. Remove power plug from AHC-3000
6. Remove USB to RS485 cable from AHC-3000 HMI port
7. Power up AHC-3000
8. Wait until red flashing LED at the power plug starts flashing green
9. Hot plug the HMI to the AHC-3000 HMI port
10. Wait until the HMI stops flashing White/black
11. The HMI is now updated and the new version can be read out in the SW menu

A sturdy USB to the RS485 converter is available from OJ
Electronics.
Please order Part no.: OJ-USB2RS485-CONV.

Contact
If further technical information is required please contact our
support dept.: support@oj.dk.

https://ojelectronics.com/support

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