OJ-Air AHC-3000-X Software 1.05

Software 1.05 is now released for up-grade by the free PC tool. In the production at OJ Electronics version 1.04 is still used until further notice.

Changes

Compared to version 1.04 there were following improvements:

Functionality

- VOC/CO_2 control loop without flow measurement
- Humidity control loop without flow measurement
- AHC-3000-S together with OJ-Air2-HMI-20T
- AHC-3000-S VOC/CO_2 and humidity control loops
- EL-heater default settings improved
- EL-heater supported in all configurations without flow measurement.
- Supply Air single duct unit added room temperature control loop

HMI-35T

- Boost operation can be aborted
- Supply Air single duct unit user interface improved
- Extract Air single duct fan user interface improved
- Displayed flow is zero when AHU is in stop
- Cooling percentage displayed on home screen

OJ-Ari2-HMI-20T

- Can now be used at HMI port. Tap 5 times on upper right corner to enter settings. Select Master and Reset alarms.
  OBS: OJ-Ari2-HMI-20T shall have software version 2.01 or higher.
- Temperature set-point is shown only if temperature control is set to Room or Extract.

BMS Modbus

- No changes

Alarms

- Modbus communication alarms now active in Service stop when auto configuration is disabled.
- Filter alarms Timer, Switch and Pressure (Static) changed to manual reset.

Cloud

- Fan set-points % corrected
- Heat exchanger % corrected

Software versions

- AHC-3000-X software 1.05
- AHC-3000-HMI-35T software 1.06
- OJ-Ari2-HMI-20T Software 2.01

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

Coming into force
Version 1.05 is released in week 46 2019

Features to be released in the 1st quarter 2020
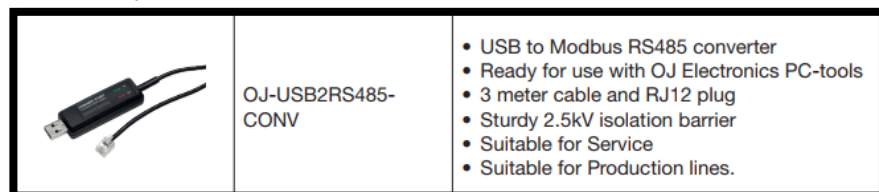- BasicBMS and Satellites

Software Upgrade
The software files are available at OJ Electronics Customer log-in, and can be upgraded using PC-Tool vers. 1.0 or higher.

- AHC3000_MCUSW_105_00_0000.zip

OBS: In order to make a safe software update please follow this 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.

New sturdy USB to RS485 converter is now available

OJ-USB2RS485-CONV	• USB to Modbus RS485 converter • Ready for use with OJ Electronics PC-tools • 3 meter cable and RJ12 plug • Sturdy 2.5kV isolation barrier • Suitable for Service • Suitable for Production lines.

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

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