



OJ-Air AHC-3000-X Software 1.06

Software 1.06 is now released for up-grade by the free PC tool. In the production at OJ Electronics version 1.05 is still used until further notice.

Changes

Compared to version 1.05 there were following improvements:

Functionality

- Supply/Exhaust fan control is now default Constant motor speed % in all AHU type selections if not previously changed.
- Heater type settings in AHU FACTORY are now kept when Auto configuration is activated.
- AHU type Supply has now default de-selected Mixing damper in AHU FACTORY Supply Air.
- Cooling recovery is now disabled if Outdoor and Extract temperature sensors not is installed.
- Loading of Actual Parameter Settings file improved.

HMI-35T

- “Reduced electrical heating” status text is now never shown in case of no Electrical heater (UOE-8101)
- **Beta version** of Ventilation control added in CONNECTIVITY Modbus RTU. **BasicBMS shall not be activated** and used in the field, it will be fully released in next sw version.
- Control loop Constant VOC/CO2 setpoint range is now max. 2000 ppm. If VOC sensor VTH-6202 then max 10.000 ppm.
- Status text added: “Autoconfiguration is active”
- Status text added: “Heat exchanger forced, AHU starting”

BMS Modbus

- Modbus TCP-IP port supports one user. After removal of a second user the port now keeps working (UOE-8031).

Alarms

- 0511: Supply air: Flow regulation not possible, no Pressure transmitter mounted. **New.**
- 0512: Supply air: pressure readings too low, check pressure sensor and fan. **New.**
- 0611: Exhaust air: Flow regulation not possible, no Pressure transmitter mounted. **New.**
- 0612: Exhaust air: pressure readings to low, check pressure sensor and fan. **New.**
- 1601: Frost alarm: Water heating coil 1.
Now only released in case of low return water temperature.
- 1602: Combi-coil heating frost alarm.
Now only released in case of low return water temperature
- 1603: Frost alarm: Water heating coil 1, Frost alarm input. **New.**
- 1604: Combi-coil heating frost alarm, Frost alarm input. **New.**
- 1608: Heating coil: No frostguard, activate Temperature-sensor and/or Frost alarm input. **New.**

OJ-Air2-HMI-20T

- No changes

Cloud

- No changes

Software versions

- AHC-3000-X software 1.06
- AHC-3000-HMI-35T software 1.07
- OJ-Air2-HMI-20T Software 2.01

Affected articles

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

Coming into force

Version 1.06 is released in week 11 2020

Coming features to be released:

- BasicBMS March 2020
- Satellites 2nd quarter 2020.



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_106_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.

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



Strandvejen 42 ♦ Saksild ♦ 8300 Odder
86 62 63 64 ♦ www.automatikcentret.dk
info@automatikcentret.dk

Contact

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

