



<http://www.bacnetinternational.net/btl/index.php?m=253>

Release of OJ-Air2 software version 4.18

OJ-Air2 software version 4.18 is released for up-grade with the SD-card. In the production at OJ Electronics the version 4.13 is still used, until further notice.

Changes

Compared to version 4.13 there were following improvements:

Functionality

- Counterflow and Crossflow heatrecovery ice protection by pressure transmitter.
- Two filters added, now are up to 4 filters fully supported
- Dual pressuretransmitter PTH-6202-2 supported
- Gasheaters added
- *Force recirculation* input added for Heatpump de-icing signal.
- Combi Coil can operate without return water temp. sensor.
- VOC/CO2 control loop improved, setpoint range expanded and 0-10V full-scale range editable.
- Heat recovery efficiency calculation according to standard using an additional temperature sensor.
- Rotary heat exchanger alarm type A/B selectable
- External outdoor sensor selectable On/Off.
- Summer night cooling using OJ-HMI-20T as room sensor.
- Modbus port A parts is now default set to OJ components
- OJ-DV 3x230V selection is now active.
- DX Min. cooling time always active for compressor 1.
- Heat recovery relay active also if Counterflow or Crossflow
- Dehumimification is now also possible using combination DX-cooling and Electric afterheater.
- Dehumidification is now also possible if only heat2 is installed (no heat recovery installed, no heat1 installed)

Web

- Webserver is updated and now supports:
 - Internet Explorer 10 & 11
 - **OBS: Compatability view shall not be used anymore.**
 - Edge (ver. 38 June 2017)
 - Chrome (ver. 59 June 2017)
 - Firefox (ver. 53 June 2017)
- The webserver don't support :
 - Windows XP with Internet Explorer 8, use Chrome.
 - Windows Vista with Internet Explorer 9, use Chrome.
- 4_0_0 Crossflow heat exchanger pressure added.
- 3_0_0 Gasheaters added.
- 3_0_0 Supply Air filter and Extract Air filter 2 added
- 3_0_1 DRHX added.
- 3_0_1 PTH-6202-2 sensors added.
- 4_0_2 Digital input Forced recirculation added.

- 4_0_0 Temperature sensor *Heat recovery efficiency* added.
- 2_0_1 Rotary heat exchanger alarm A/B selection added.
- 1_0_0 VOC/CO2 Transmitter added.
- 1_1_0 Supply air temperature setpoint corrected

OJ-Air2-HMI-35T

- Screen saver displays current temperature.

Hand terminal

- No changes.

Alarms

- No changes.

Modbus registers

- Some *Coil status* and *Input status* registers has been added. Please see protocol on OJ Electronics website.
<http://www.ojelectronics.com/Business-Areas/HVAC-Controls-Power/Products/Products/HVAC-Control-Power/OJ-Air2-for-Air-Handling-Units/OJ-Air2-Master-Module-PROD3.aspx>

BACnet

- The onboard BACnet server is certified and BTL listed.

Affected articles

OJ-Air2Master

Coming into force

Version 4.18 is released for up-grade with SD-Card in week 43 2017.

Compatibility

No changes are required when up-grading from version 4.13 to 4.18.

Updating with the SD card

The OJ-Air2Master has to be with software version 2.01 or higher.

Following files must be copied to the SD card:

- "air2_v418_update_jffs2.tar.gz"
- "version.crc" (1kB, 17-10-2017, 14:51)

The files are available at:

<http://www.ojelectronics.com/Support/Customer-Login.aspx>

Up till 8Gb HC SD cards can be used from version 2.19.

