OJ-Air2 Software version 5.20

OJ-Air2 software version 5.20 is released for up-grade with the SD-card. In the production at OJ Electronics version 5.09 is still used, until further notice.

Changes
Compared to version 5.09 there were following improvements:

Functional description
No changes.
The functional description OJ-Air2 01 available at OJ Electronics customer log-in is still valid.

Functionality
Reduced airflow at low supply air temperature
- Reduced airflow is now also possible if Fan control loop is set to "Constant motor speed". (UOE 8326).

Web
- 0_5_2: Swedish text corrected: Alarm 184 "Dynamic de-icing not measured" (UOE 8446).

Cloud
- "Fan reg." mode is now displayed correctly showing Slave mode for Supply and Extract fans individually. (UOE 8481).

OJ-Air2-HMI-35T
- Swedish text corrected: Alarm 184 "Dynamic de-icing not measured". (UOE 8446).

Hand terminal
- No changes.

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Alarms

- All 3 seconds alarm delays increased to 10 seconds in order to avoid rare false alarm from e.g. an External fire thermostat connected to Ext_3. (UOE 8561).

Modbus registers

- No changes

BACnet

- No changes

Affected articles
OJ-Air2Master

Coming into force
Version 5.20 is released for up-grade with SD-Card in week 28 2020.

Compatibility
No changes are required when upgrading from version 5.09 to 5.20.

Updating with the SD card
The OJ-Air2Master has to be with **software version 3.01** or higher. The following files must be copied to the SD card:

- "air2_v207_update_rd.gz"
- "version.crc" (1kB, 10-06-2020, 10:55)
- "air2_v520_update_jffs2.tar.gz"

OBS: This update requires three files on the SD-card, since the memory allocation has to be re-arranged in the OJ-Air2Master to software 5.xx layout. Due to the large amount of data, this update has a duration of approximately 8 minutes, if the current software version is lower than 5.01. See details on next page.
WARNING: Do not power off the OJ-Air2Master during the update.

The files are available at OJ Electronics Customer Login:
https://ojelectronics.com/support

Up to 8Gb HC SD cards can be used from version 2.19.
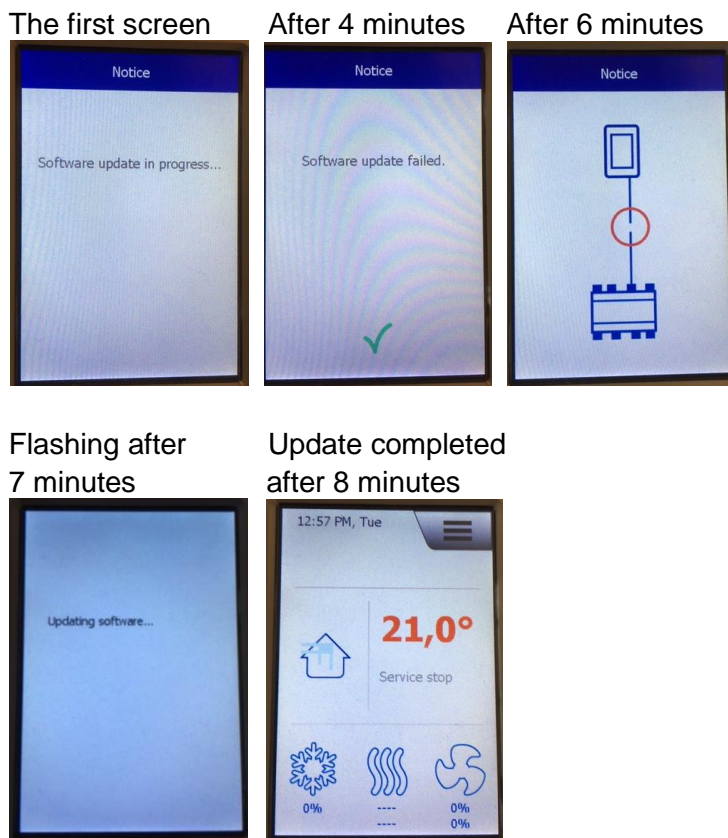The SD-card shall have a MBR with msdos partition table, and the first primary partition in it shall be VFAT (or FAT32) file system.

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Software 5.0x update sequence if current software version is lower than 5.01:
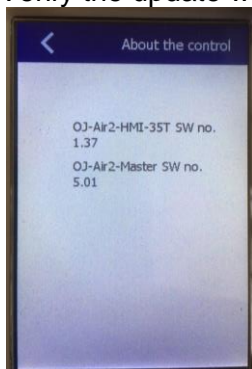
WARNING: Do not power off the OJ-Air2Master during the update sequence. It will damage the internal files and the OJ-Air2Master will need service at OJ Electronics factory.

1. Copy the **three** files to a SD card (Max. SD-card size is 8Gb)
2. Insert the SD card in the OJ-Air2Master
3. Wait approximately one minute until the new software is detected
4. Press update button on HMI
5. Wait 8 minutes until the update sequence is completed
   DON'T touch anything, just let the process run.

   The HMI will show these screens during the update

The first screen   After 4 minutes   After 6 minutes

Flashing after   Update completed
7 minutes   after 8 minutes

6. Verify the update was successfull

OJ-Air2-HMI-35T SW 1.37 is OK
OJ-Air2-Master   SW 5.20 is OK

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