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## OJ-Air2 Software version 6.71

OJ-Air2 software version 6.71 is released for up-grade with the SD-card. In the production at OJ Electronics version 6.11 is still used until further notice.

### Changes

Compared to version 6.52 there were following improvements:

### Functional description

No changes. Functional description OJ-Air2 01 is still valid. The new features will be added in OJ-Air2 02.

### Functionality

#### New features:

- [OJ-DC Drives compressor](#) support.
- Heat pump Oil/Defrost digital input.  
(Freezes the compressor setpoint when active)

#### Improved features:

- 4-Zones updated from sw 3.76 to sw vers. 4.19.
- Configuration combination [DX cooling & heat pump and Heating 1 and Heating 2] are now possible again (UOE 10256).  
Note: If using the "DX- cooling & heat pump" as cooling for de-humidification, then only Heating 2 can be configured.
- Supply, Extract, Outdoor and Exhaust dampers are closed in case of active alarm 01 "Fire alarm" and both the Supply and Extract air fan fire setpoints are 0%. (UOE 010261).
- Modulated recirculation Exhaust/Outdoor air dampers are in Night heat operation now forced open during Filter reference pressure measurement. (UOE10441).
- If the internal clock during power up is year 1970 it will be corrected to 01.01.2020. (UOE10546).
- OJ-Air2-HMI-35T time and date is synchronized with the OJ-Air2master clock at power up. (UOE 10066).

- Gas heater Min. Run time is now saved in Factory settings file. (UOE 009636).
- Outdoor Air damper position is set to Min. fresh air if Dehumidification during heat demand and the Extract air is more dry than the Out door air. (UOE 010016).

## Web

- 4\_0\_2 Heat pump Oil/Defrost.
- 3\_0\_1, 2\_0\_0 DC Drive compressor.
- Status text "*Cool / Heat combination not valid for Dehumidification*" can now only be displayed if one or both of "Supply air duct" and "Extract air duct" humidity sensors are configured (UOE 10121).
- Cross flow heat exchanger "De-icing in progress" Yes/No is now active if de-icing triggered by pressure. (UOE 10136).
- Cross flow heat exchanger without By-pass damper now always shows 100% heat recovery (UOE 10001)
- DRHX speed above 300 rpm is now shown correct. (UOE 10031).
- Add-on temperature sensor text string limited to 36 characters. (UOE 010646).
- Norwegian alarm text " Alarm 148 corrected from "Spjeldmotor (tilluft).." to "Spjeldmotor (avtrekt).."  
(UOE 010911).
- Customer level unit conversion from m<sup>3</sup>/h to l/s corrected. (UOE 011011).
- 4-zones Air mode now updates according to RPT-20T settings. (UOE 010676).

## Cloud

- Drives compressor added.
- Power consumption AHU & Cooling scaling corrected. (UOE 009826)

## OJ-Air2-HMI-35T

- HMI sw 1.52.
- "Load factory settings" now works correct. (UOE 010601).
- Norwegian alarm text " Alarm 148 corrected to "Spjeldmotor (avtrekt).."  
(UOE 010911).

## Hand terminal

- No changes.

## Alarms

- Drives compressor alarms added.
- Alarm 59 “No heat recovery. Low temperature” alarm conditions corrected and selectable as type A or B. (UOE 9221).

## Modbus registers

- Drives compressor added.
- Coil status 0x0014 ExtHighSpedSet) added.  
(If used in Green Zone then replace address 9 with 13 in “Set PIR Input If PIR Active In a Zone”).  
(UOE 08686).
- SN\_Drift 1x0011 is now active during Summer night cooling test run. (UOE 010606).

## BACnet

- Drives compressor added.
- BV28 “External high speed start signal” corrected (UOE10366).
- BV27 “Summer Night Cooling activated in low speed” corrected (UOE10366).

## Affected articles

OJ-Air2Master

## Coming into force

Version 6.71 is released for up-grade with SD-Card in week 04 2023.

## Compatibility

No changes are required when upgrading from version 6.52 to 6.71.

## Updating with the SD card

The OJ-Air2Master has to be with software version 6.10 or higher. The following files must be copied to the SD card:

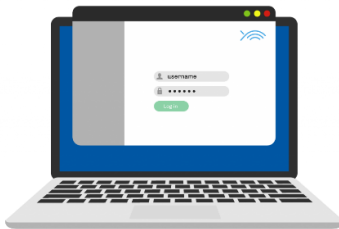
- "air2\_v\_2\_08\_update\_rd.gz"
- "air2\_v4\_19\_107\_0\_update\_kernel.gz"
- "version.crc" (1kB, 27-01-2023, 11:36)
- "air2\_v671\_update\_jffs2.tar.gz"

**OBS:** If upgrading from lower versions than 6.10 another procedure is required. Please see Product information No. 728.

**OBS:** Please remember to delete temporary internet files from your web browser after the sw update. Otherwise you might be looking at old web pages from the old sw version.

**OBS:** This update requires four files on the SD-card, since the LINUX operation system will be updated to the latest version. Due to the large amount of data, this update has a duration of approximately 8 minutes.

**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.