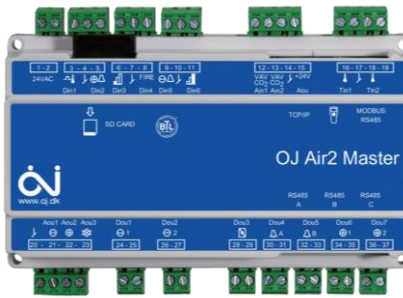


# Product information No. 637A September 2020



## OJ-Air2 Software version 5.21

OJ-Air2 software version 5.21 is released for up-grade with the SD-card. In the production at OJ Electronics version 5.09 is still used, until another factory installed version is requested.

### Changes

Compared to version 5.20 there were following improvements:

### Functional description

No changes. Functional description OJ-Air2 01 is still valid.

### Functionality

- No changes

### Web

- 0\_4\_4, 2\_0\_0 CVM E3 Mini “Active energy three phases” corrected. (UOE 8616)
- 3\_0\_1 CVM E3 Mini grouped in “Circuitor components”.
- 0\_4\_4, 2\_0\_0 Fahrenheit “Outdoor temperature” corrected (UOE 8666)

### Cloud

- No changes

### OJ-Air2-HMI-35T

- No changes

### Hand terminal

- No changes.

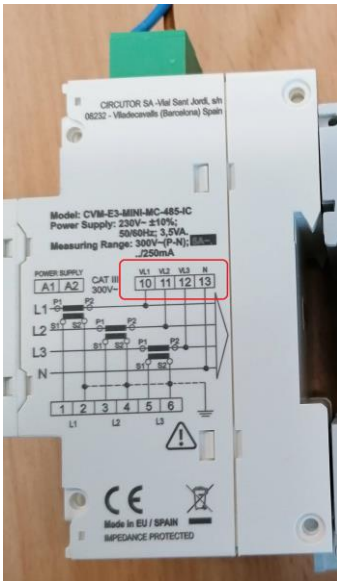
### Alarms

- No changes

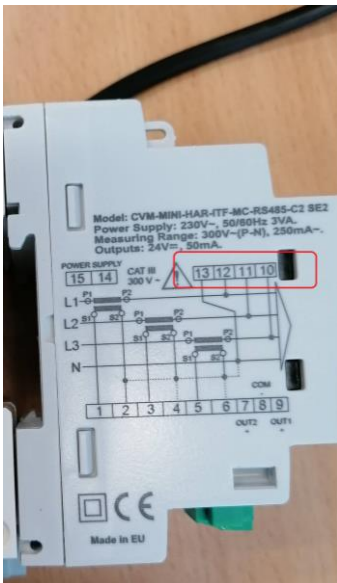
### Modbus registers

- New parameters for CVM E3 Mini Active energy three phases.
  - 3x0353 CVME3CKActEn3H [kWh] High byte
  - 3x0354 CVME3CKActEn3 [kWh] Low byte
  - 3x0355 CVME3CWActEn3H [Wh] High byte
  - 3x0356 CVME3CWActEn3 [Wh] Low byte
- New parameters for CVM COOL E3 Mini energy three phases.
  - 3x0357 CCVME3CKActE3H [kWh] High byte
  - 3x0358 CCVME3CKActE3 [kWh] Low byte
  - 3x0359 CCVME3CWActE3H [Wh] High byte
  - 3x0360 CCVME3CWActE3 [Wh] Low byte

CVM-E3-Mini



CVM- Mini



### OBS:

L1 and L3 (terminal 10 and 12) are swapped on CVM-E3-Mini compared to CVM-Mini. Wrong installation will result in wrong CosPhi and Active Energy

## BACnet

- New parameters for CVM E3 Mini Active energy three phases.
  - AI255 CVME3CKActEn3H [kWh] High byte
  - AI256 CVME3CKActEn3 [kWh] Low byte
  - AI257 CVME3CWActEn3H [Wh] High byte
  - AI258 CVME3CWActEn3 [Wh] Low byte
- New parameters for CVM COOL E3 Mini energy three phases.
  - AI259 CCVME3CKActE3H [kWh] High byte
  - AI260 CCVME3CKActE3 [kWh] Low byte
  - AI261 CCVME3CWActE3H [Wh] High byte
  - AI262 CCVME3CWActE3 [Wh] Low byte

## Affected articles

OJ-Air2Master.

## Coming into force

Version 5.21 is released for up-grade with SD-Card in week 36 2020.

## Compatibility

No changes are required when upgrading from version 5.20 to 5.21.

## 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, 28-08-2020, 09:18)
- "air2\_v521\_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.

<https://ojelectronics.com/support>

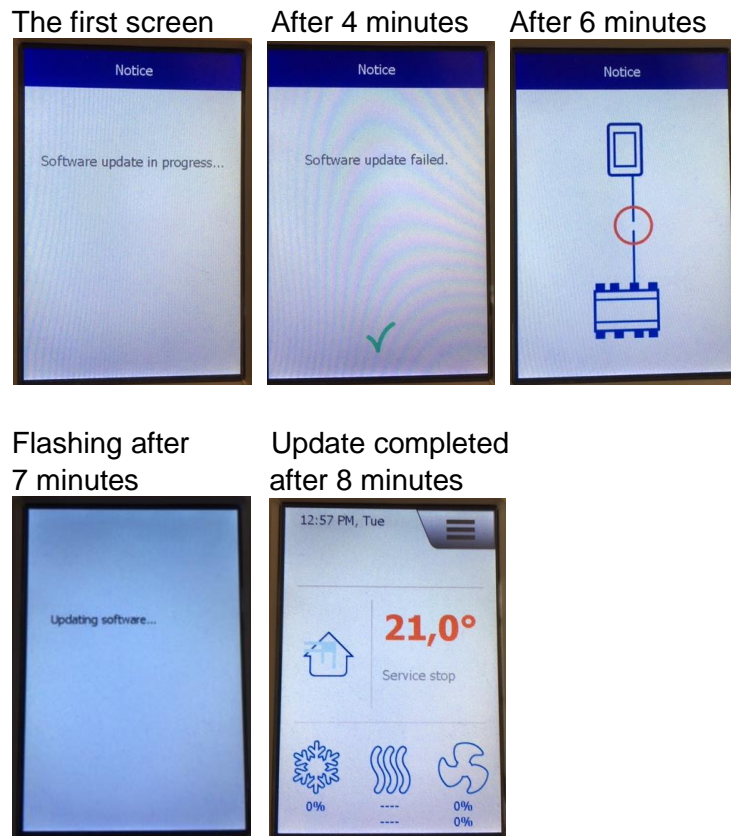


## Software 5.0x update sequence if current software version is lower than 5.01:

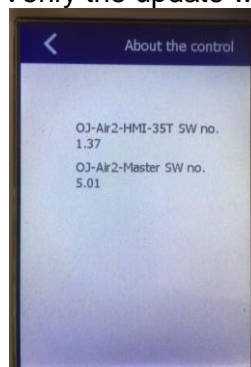
**WARNING: Do not power off the OJ-Air2Master during the update sequence. It will damage the internal files and the OJ-Air2Master will need service at OJ Electronics factory.**

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 in HMI
5. Wait 8 minutes until the update sequence has completed  
**DON'T touch anything, just let the process run.**

The HMI will show these screens during the update



6. Verify the update was successful



OJ-Air2-HMI-35T SW 1.37 is OK  
OJ-Air2-Master SW 5.21 is OK