OJ ELECTRONICS

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OJ-Air AHC-3000 Software 1.35

Software 1.35 is now released for up-grade by the free PC tool or Cloud, and will be introduced into the production at OJ Electronics on all new orders.

Changes

Compared to version 1.34 there were following improvements:

Functional description

No changes. The "Functional description AHC-3000 01" available at OJ Electronics customer log-in is still valid.

Functionality

New features:

- None

Improved features:

- The k-factor setting range used for flow calculation has been increased from 0-300 to 0-30000. This will support AHU's having multiple fans in parallel operation in the same duct.

HMI-35T

- K-factor setting range increased.

BMS Modbus

- No changes

Alarms

- No changes

OJ-Air2-HMI-20T

- No changes.

Cloud

- No changes

Compatibility

When upgrading from software version 1.34 to 1.35 shall the k-factor settings be re-entered, since the update will multiply the value by 100.

OBS: the fans will run at a very low speed if the k-factor not is re-entered to the correct value. The air volume will be calculated 100 times higher than the physical air volume.
No changes is required if the AHU is without flow measurement.

Software versions

- AHC-3000-X software 1.35
- AHC-3000-HMI-35T software 1.35
- OJ-Air2-HMI-20T software 2.03

Affected articles

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

Coming into force

Version 1.35 was released in week 49 2021.

Software Upgrade

The SW files are available at OJ Electronics Customer Login https://ojelectronics.com/support and SW upgrade is possible using OJ Air Cloud or OJ Air PC-Tool vers. 1.2 or higher.

- File: AHC3000_MCUSW_135_00_0000.zip

OBS: If upgrading from lower SW versions than 1.20 another procedure is required. Please see Product information no. 693

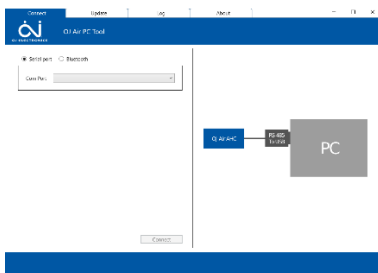**OBS**: In order to make a safe software update please follow this procedure:

Using OJ Air PC Tool and OJ-USB2RS485-CONV:

1. Connect OJ-USB2RS485-CONV to your labtop USB port and the RJ12 plug to AHC-3000 HMI port.
2. Power the AHC-3000 up.
3. Update the AHC-3000 controller by the OJ Air PC Tool.
4. Remove OJ-USB2RS485-CONV RJ12 plug from AHC-3000 HMI port and connect the AHC-3000-HMI-35T.
5. Power the AHC-3000 Off and wait 5 seconds.
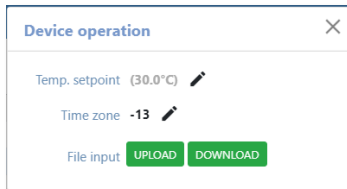6. Power the AHC-3000 up.

https://ojelectronics.com/support

7. Wait until red flashing LED at the power plug starts flashing green and the HMI stops flashing White/black
8. The controller and HMI are now updated and the new version can be read out in the menu "Software"

The sturdy USB to the RS485 converter is available from OJ Electronics. Please order Part no.: OJ-USB2RS485-CONV.

Using Cloud:

1. Open the specific controller tab on https://oj.hvac-cloud.com/
2. Select "Device operation" and UPLOAD.
3. Select file and UPLOAD.
4. Wait until the file transmission is completed OK.
5. The controller continues to operate using the old software until the first mains power cycle from Off to On. (if updating from sw 1.33 the AHC-3000 restarts automatically and start using the new sw)
6. During powering up the AHC-3000 automatically starts using the available new software and updates the HMI as well.

Contact

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