



## Software update adds new benefits to OJ Air2 systems

*OJ Electronics has just launched a software update for the popular OJ Air2 system, bringing system designers new benefits such as easier BACnet integration, the option to monitor more AHU filters by means of pressure transmitters, a gas heater function, improved ice protection and more cost-efficient system design.*

### Esasier integration and more design options

The OJ Air2 software update adds new benefits within several different fields. As product manager Jens B. Antonsen explains: "We've been quite busy with software updates recently, and we're very happy to include this upgrade to the OJ Air2 system. Essentially we've had system designers and integrators in mind all along, striving to make their work easier – and their systems more efficient. Significantly, we've upgraded the BACnet profile to B-AAC and added a range of new interoperability building blocks. This will make BACnet integration much simpler and faster for system integrators. Similarly, system designers in territories where gas is popular for heating will also appreciate the new gas heater function, which makes it much easier to integrate gas heaters in AHU systems – and makes operation smoother than ever. We've also made it possible to monitor up to four AHU filters by means of pressure transmitters, which is good news for many specialised settings such as hospitals, where two-stage filters are used in the supply air and exhaust ducts alike."

### Improves cost efficiency in various ways

Reducing costs have also been a key concern in the new software update: "For example, we saw that heat recovery systems could be efficiently protected against ice based on pressure measurements rather than temperature – so we now enable that. This means that heat recovery won't be unnecessarily interrupted due to low temperatures: just because the exhaust air temperature falls below 0 degrees, it doesn't automatically follow that ice will form. With pressure measurement, the system only goes into ice protection mode when it really has to." Investment costs have also been addressed: "With the new update, our dual differential pressure transmitter PTH-6202-2 has been fully integrated in the system. This gives system designers access to a very cost-efficient solution when they need to measure pressure in the supply air/exhaust ducts. You even get two sensor inputs, which allows you to measure temperatures as well."

### The new software update in brief

- Upgraded to become an Advanced Application controller (B-AAC) – ensuring simpler, faster system integration
- Allows up to four AHU filters to be monitored with pressure transmitters
- Allows for pressure-controlled ice protection for cross flow and counter flow heat recovery
- Gas heater function for simpler, better integration
- Fully integrates dual pressure transmitter for a more economical set-up

Below you can find more details about the new software update and its benefits.

### **Simpler BACnet integration – because you asked for it!**

The BACnet profile has been upgraded from an Application Specific Controller (B-ASC) to become an Advanced Application controller (B-AAC) with BTL listing and certificate. Among the new interoperability building blocks you will find Scheduling, Alarm & Event management and BACnet Broadcast Management (BBMD). All this makes BACnet integration simpler and cheaper for system integrators.

### **Want to use pressure transmitters with four filters? We've got you covered.**

Prior to this update, the system allowed two filters inside the AHU to be monitored by means of pressure transmitters. This has now been extended to four filters in total. This is good news for many specialised settings such as hospitals, where two-stage filters are used in the supply air and exhaust ducts alike.

### **Makes heat recovery more effective**

Cross flow and counter flow heat recovery can now be protected against ice based on pressure measurement rather than temperature. This ensures greater heat recovery overall because the exhaust temperature can in fact be lower than 0 degrees Celsius without any risk of the heat exchanger being blocked by ice. Enabling pressure-based ice protection ensures that heat recovery will not be unnecessarily interrupted.

### **Want to use gas in your AHU system? Simpler than ever!**

Gas is a popular and financially attractive source of heating in countries such as Russia, the Netherlands and the UK. The new gas heater function makes it much easier to integrate gas in AHU systems while also making operation significantly smoother and more efficient.

### **Measuring duct pressure just got cheaper**

The upgrade ensures that the dual differential pressure transmitter PTH-6202-2 is now fully integrated in the system – thereby giving system designers access to a very cost-efficient solution when they need to measure pressure in the supply air/exhaust ducts. You even get two sensor inputs, which allows you to measure temperatures too.

We are confident that the new OJ Air2 software update will prove useful to you and your customers. You are of course very welcome to contact us with any questions and queries.

***For additional information, please contact:  
Jens B. Antonsen, Product Manager, AHU Controllers  
Tel: +45 73 12 13 38  
Email: JBA@OJ.DK***

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