

Date 12.9.2025

Data Notice:

Product name: FxVent for Future S air handling units

Year of release: 2025

Data generated by product:

Sensor:	Data generated:	Format and estimated volume of data:	API/SDK provided for accessing or using data:	Data can be generated continuously and in real time:	Storage of data and intended duration of retention
Temperature sensor	Air temperatures inside AHU, including delivery air temperature	Timestamped measurement value. Maximum of 300 datapoints	Yes (see below)	Yes	Yes, data stored locally on device (see below)
Temperature sensor	Heating coil return liquid temperature	Timestamped measurement value. Maximum of 300 datapoints	Yes (see below)	Yes	Yes, data stored locally on device (see below)
Pressure differential sensor	Components pressure difference inside AHU	Timestamped measurement value. Maximum of 300 datapoints	Yes (see below)	Yes	Yes, data stored locally on device (see below)
Pressure differential sensor	Supply and exhaust duct pressure	Timestamped measurement value. Maximum of 300 datapoints	Yes (see below)	Yes	Yes, data stored locally on device (see below)
Air flow sensor	Fan's air flows	Timestamped measurement value. Maximum of 300 datapoints	Yes (see below)	Yes	Yes, data stored locally on device (see below)
Carbon dioxide sensor	Served area carbon dioxide	Timestamped measurement value.	Yes (see below)	Yes	Yes, data stored locally on

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		Maximum of 300 datapoints			device (see below)
Humidity sensor	Served area relative humidity	Timestamped measurement value. Maximum of 300 datapoints	Yes (see below)	Yes	Yes, data stored locally on device (see below)
Fan	Fans' status	-	Yes (see below)	Yes	No
Pump	Heating coil pump status	-	Yes (see below)	Yes	No
Electrical heater	Heaters' status and overheat alarm	-	Yes (see below)	Yes	No
Heat recovery unit speed controller	Speed controller fault	-	Yes (see below)	Yes	No
Additional run-time timer / booster timer	Timer status	-	Yes (see below)	Yes	No
External signal	External locking status	-	Yes (see below)	Yes	No
AHU state and operating mode	Current speed, control type, control status type, HRU defrosting status	-	Yes (see below)	Yes	No

Note! Koja Oy customizes product deliveries for each customer, so the user's particular product may include only some of the above sensors; the above, exhaustive list assumes that all possible sensors are provided for the user's product.

Accessing data: Real-time local data can be accessed by a local Modbus RTU interface through labelled serial port. Data structure of the interface is described in a separate

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document. Historical data is not available through the communication interface, but it can be seen on the HMI.

Erasure of data: Local data is saved on 300 seconds interval and maximum data points per measurement is 300. The old data is automatically overwritten as the new data comes in, and the 300 data points fills up. Data is erased on every power shot down. Local data can be erased by switching off the controller's power.