

Date: 12.9.2025

Data Notice:

Product name:

KojaControl for Future air handling units

KojaControl for Future H air handling units

KojaControl 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 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Temperature sensor | Served area air temperatures and outdoor air temperature | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Temperature sensor | Liquid temperatures | Timestamped measurement value. Maximum of 288 datapoints/day | 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 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |

Date: 12.9.2025

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|------------------------------|--|---|-----------------|-----|--|
| Pressure differential sensor | Supply and exhaust duct pressure | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Pressure differential sensor | Building envelope pressure difference | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Pressure sensor | Heat recovery circuit liquid pressure | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Air flow sensor | Fan's air flows and flow pressures | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Carbon dioxide sensor | Served area carbon dioxide | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Humidity sensor | Relative humidities inside AHU and served area | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Valve | Heat recovery circuit liquid flow | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Fan | Supply and exhaust air fan | Timestamped measurement | Yes (see below) | Yes | Yes, data stored |

Date: 12.9.2025

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|---|---|---|-----------------|-----|--|
| | electrical power | value. Maximum of 288 datapoints/day | | | locally on device (see below) |
| Fan | Fans' status | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Pump | Pumps' status and alarm | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Electrical heater | Heaters' status and overheat alarm | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Cooler | Cooler status | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Heat recovery unit speed controller | Speed controller fault | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| Additional run-time timer / booster timer | Timer status | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| External signal | External locking status | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Yes | Yes, data stored locally on device (see below) |
| AHU state and operating mode | Current speed, control type, control status type, HRU | Timestamped numerical value. Maximum of | Yes (see below) | Yes | Yes, data stored locally on device (see below) |

Date: 12.9.2025

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|--|----------------------|-----------------------|--|--|--|
| | defrosting status | 288 datapoints/day | | | |
|--|----------------------|-----------------------|--|--|--|

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 TCP or Modbus RTU interface through labelled Ethernet or serial port. Data structure of the interface is described in a separate document. Historical data is not available through the communication interface, but it can be seen on the HMI. If the air handling unit equipped with the KojaControl automation system is connected to AHU Evidencer service, the data can be accessed through an API provided by the service.

Erasure of data: Local data is saved 60 - 90 days depending on the amount of devices connected to the controller. The old data is automatically overwritten as the new data comes in, and the hard drive is full. Local data cannot be erased by the user.

Date: 12.9.2025

Data Notice:

Service name: AHU Evidencer

Identity of data holder: Koja Oy

Contact information for data holder: data@kojagroup.eu

Other data processing parties: Realin Oy (Service partner), Microsoft (Service host)

Data obtained through service:

The service includes the delivery of new sensors intended for use with the service, listed below. The service can furthermore be integrated with existing sensors, in which case the service includes new forms of data processing for data derived from such existing sensors. These new forms of data processing are also listed below.

| 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 |
|---|--|--|---|--|---|
| KojaControl (existing sensors connected to the service) | See KojaControl product table | See KojaControl product table | Yes (see below) | Continuously but not in real time | Yes, stored on cloud server, intended duration of storage 5 years |
| KojaControl (existing sensors connected to the service) | Alarms | Timestamped event value. Maximum of 288 datapoints/day | Yes (see below) | Continuously but not in real time | Yes, stored on cloud server, intended duration of storage 5 years |
| KojaControl (existing sensors connected to the service) | Components' power and energy consumption | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Continuously but not in real time | Yes, stored on cloud server, intended duration of storage 5 years |

Date: 12.9.2025

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|---|---|---|-----------------|-----------------------------------|---|
| KojaControl (existing sensors connected to the service) | Heat recovery unit efficiency | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Continuously but not in real time | Yes, stored on cloud server, intended duration of storage 5 years |
| KojaControl (existing sensors connected to the service) | SFP value | Timestamped numerical value. Maximum of 288 datapoints/day | Yes (see below) | Continuously but not in real time | Yes, stored on cloud server, intended duration of storage 5 years |
| KojaControl (existing sensors connected to the service) | Control and command signals of AHU components | Timestamped measurement value. Maximum of 288 datapoints/day | Yes (see below) | Continuously but not in real time | Yes, stored on cloud server, intended duration of storage 5 years |

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

Use by data holder and third parties: Data is used by the data holder in order to provide the AHU Evidencer service to the user, providing information of AHU efficiency, energy consumption and condition. Data is also used for internal product and service development.

Accessing data: Data can be accessed through an API provided for the service.

Requesting data sharing or an end to data sharing: The user can request the data to be shared with a third party, or that data sharing be ended, through this e-mail: data@kojagroup.eu

Right to lodge complaint with competent authority: EU residents have the right to lodge a complaint regarding breach of their rights under the EU Data Act with the competent authority of the Member State where they live or work

Trade secrets contained in data: N/A

Duration of contract with data holder and terminating contract: The duration of the contract between the user and Koja Oy is specified in the service agreement between the user and Koja Oy. The contract will terminate either after the ending of the user's fixed term contract for the AHU

Date: 12.9.2025

Evidencer service (generally one year fixed terms), or upon the user exercising their right to terminate the service subject to a sixty (60) day notice period.