

S105 - The superior controller for air handling units.

OUMAN

Saving energy,
Creating comfort

The S105 controller for air handling units brings new precision and efficiency to air handling and climate control. The controller measures the air temperature, CO2 concentration, and relative humidity, and intelligently controls the ventilation device. Optimal ventilation enhances comfort, safeguards structures and the ventilation device itself, while also conserving energy.

Poor air quality leads to fatigue and reduces productivity, while excessively humid air compromises structures. Ouman's S105 controller responds to changes in temperature, CO2 levels, and humidity in the controlled environment, and intelligently regulates air flow as needed. Whether it be in a classroom, auditorium, banquet hall, or workspace, there will always be fresh and high-quality air.



One of the most significant features is the support for multiple sensors. Buildings house various types of sensors that require the controller to be configured for different measurement ranges and modes, both software-wise and hardware-wise. The S105 supports all widely-used passive temperature sensors with a simple option. It also supports the most common active temperature and pressure sensors, as well as most standard output types.



If there is an existing custom central automation system on-site, the S105 can be integrated with it using Modbus RTU fieldbus protocol.

Fans	Dampers	HRU	Heating	Cooling	Pre- Heating
<ul style="list-style-type: none"> > 1-speed > 2-speed > Tamu > EC-fan > Sequence control 	<ul style="list-style-type: none"> > On / Off > Vakioasento > Sequence control 	<ul style="list-style-type: none"> > Cubic > Rotating > Liquid > Sequence control 	<ul style="list-style-type: none"> > Water > Electric > Sequence control 	<ul style="list-style-type: none"> > Liquid > On / Off (2 sequences) > Sequence control 	<ul style="list-style-type: none"> > Water > Electric

Supported sensors

- > NTC10
- > NTC1.8
- > NTC2.2
- > NTC20
- > PT1000
- > Ni1000LG
- > Ni1000DIN
- > 0-10V
- > 0-20mA

The anticipated successor of the popular EH-105 controller.

New additional features include defrosting blocks and sequence control of the electric heater through additional modules.