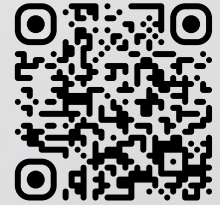


S105 - The superior controller for air handling units.

OUMAN

Saving energy,
Creating comfort



Introducing the S105 air handling unit controller, a revolutionary solution to air handling and climate control. This controller precisely measures air temperature, CO2 concentration, and relative humidity while intelligently managing ventilation systems. Optimizing ventilation, not only enhances comfort, but also preserves building structures and energy resources.

Inadequate air quality can lead to reduced productivity, while excess humidity can harm the structural integrity of buildings. The Ouman S105 controller responds dynamically to temperature, CO2, and humidity changes in the controlled environment, intelligently adjusting airflow. Whether in classrooms, auditoriums, banquet halls, or workspaces, a continuous supply of fresh, high-quality air is assured.



Furthermore, the S105 stands out in its robust support for multiple sensors. Buildings have different sensor types, each requiring unique setups for measurement ranges and modes, involving both software and hardware adjustments. The S105's broad range of compatibility includes passive temperature sensors, active temperature sensors, and pressure sensors, while also supporting most standard output formats. Thus, making your ventilation control capabilities versatile in a user-friendly manner.



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 > FC > EC-fan > Sequence control 	<ul style="list-style-type: none"> > On / Off > Constant position > Sequence control 	<ul style="list-style-type: none"> > Plate > Rotating > Liquid > Sequence control 	<ul style="list-style-type: none"> > Water > Electric > Sequence control 	<ul style="list-style-type: none"> > Liquid > On / Off (2 steps) > 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.