

Adquio

8 Analog Outputs

Analogue control
for your actuators



Product: Adquio 8 Analog Outputs

Category: ADQUIO · EXPANSIONS

DESCRIPTION

Adquio 8 Analog Outputs expands Modbus RTU controllers with eight 0–10 V outputs. Regulate compatible equipment requiring analogue signals, including fans, valves and dampers.

Controller commands become field signals through an RS485 connection. DIN-rail mounting and DIP-switch addressing simplify installation in new or existing cabinets.

BENEFITS



**Eight
outputs**

Add eight 0–10 V control channels to operate several devices through one module.



**Standard
Modbus**

Receive setpoints from Adquio or any Modbus RTU-compatible controller.



**Proportional
control**

Turn control commands into analogue levels for compatible project actuators.



**Cabinet
mounting**

Organise outputs on a DIN rail and select the address with DIP switches.



**Visual
diagnostics**

Check supply and communication using Power and Online indicators during installation and maintenance.

TYPICAL APPLICATIONS



**Variable
ventilation**

Control compatible equipment with 0–10 V regulation inputs.



**Proportional
valves**

Adjust valve actuators designed for 0–10 V signals.



**Air
dampers**

Integrate damper actuators with compatible analogue control.



**Zone-based
HVAC**

Distribute analogue setpoints to equipment in different zones.



**Technical
processes**

Regulate equipment whose control interface uses 0–10 V.



**Secondary
cabinets**

Bring output signals closer to field equipment.



Is this product or service part of your project?

Contact us and we will prepare a proposal for your installation.



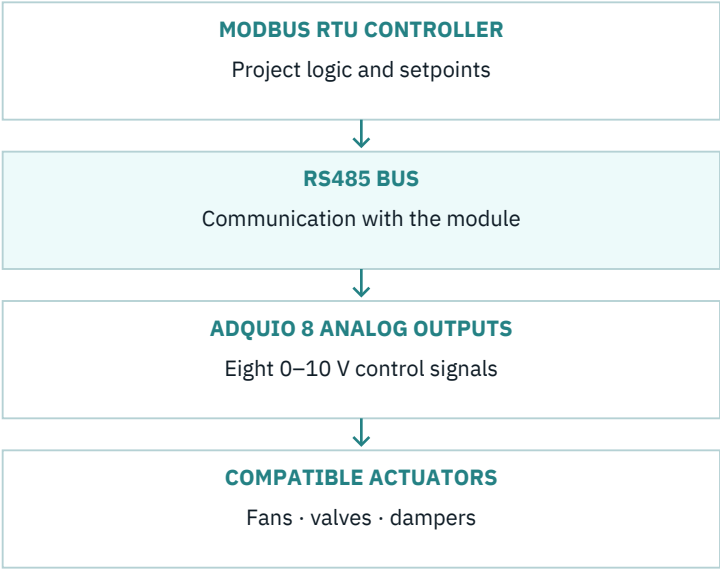
WHEN TO CHOOSE ADQUIO 8 ANALOG OUTPUTS?

Adquo 8 Analog Outputs expands Modbus RTU controllers with eight 0–10 V outputs. Regulate compatible equipment requiring analogue signals, including fans, valves and dampers.

Scenarios where it adds value:

- **Your equipment needs an analogue setpoint**
Connect actuators accepting a 0–10 V regulation input.
- **You need to expand controller outputs**
Add eight channels without replacing the project Modbus RTU controller.
- **You need to regulate fans or valves**
Convert system setpoints into analogue signals for compatible equipment.
- **The installation has several field cabinets**
Distribute modules throughout the installation using the RS485 bus.
- **You want straightforward addressing**
Set the address with DIP switches and verify communication using the LEDs.
- **You need coordinated actuation and logic**
The controller defines commands and the module provides eight output signals.

TYPICAL ARCHITECTURE



Outputs provide control signals; they do not replace actuator power supplies. Check the electrical characteristics of each device before connection.

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SPECIFICATIONS

Reference	ADQ-SA-8AO
Outputs	8 × 0–10 V DC
Resolution	12 bits
Communication	1 × RS485 · Modbus RTU
Serial speed	9600 / 19200 bps
Power supply	24 V DC nominal · 28 V DC max.
Nominal current	15 mA at 24 V DC
Addressing	DIP switches
Indicators	Power · Online
Mounting	35 mm DIN rail
Protection	IP20
Temperature	0 to +60 °C



Built-in security



Easy setup



Unlimited integration



Technical support and guidance

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