

Adquio

8 Analog Inputs

Analogue readings
where your sensors are



Product: Adquio 8 Analog Inputs

Category: ADQUIO · EXPANSIONS

DESCRIPTION

Adquio 8 Analog Inputs adds eight 0–10 V inputs to Modbus RTU-compatible controllers. Bring sensor readings to the points where your installation needs them.

The module connects over RS485 and makes measurements available to control logic. DIN-rail mounting, DIP-switch addressing and status indicators simplify integration into distributed cabinets.

BENEFITS



Eight readings

Collect eight 0–10 V analogue signals in one module and expand the data available for automation.



Standard Modbus

Integrate readings over RS485 with Adquio or another controller supporting Modbus RTU.



Distributed sensing

Place the module near field signals and organise measurement by cabinet or zone.



Compact installation

Mount on a 35 mm DIN rail and set the Modbus address using the device DIP switches.



Visible status

Power and Online indicators help check supply and communication during commissioning.

TYPICAL APPLICATIONS



HVAC and comfort

Read 0–10 V sensors to support zone-level control.



Air quality

Integrate compatible CO₂ or humidity transmitters with 0–10 V outputs.



Pressure and flow

Collect compatible analogue transmitter signals for technical monitoring.



Equipment measurement

Bring equipment signals into controller variables.



Distributed cabinets

Expand inputs in secondary cabinets connected over RS485.



Centralised monitoring

Use readings through the controller in automation and visualisation.



Is this product or service part of your project?

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



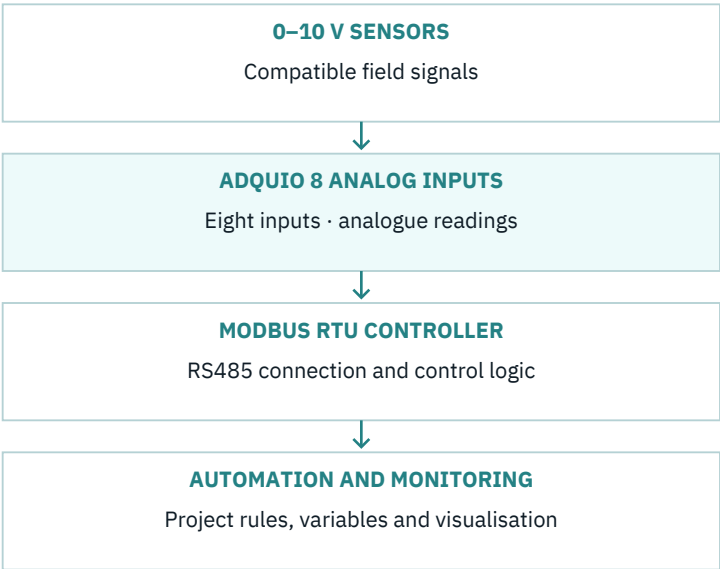
WHEN TO CHOOSE ADQUIO 8 ANALOG INPUTS?

Adquio 8 Analog Inputs adds eight 0–10 V inputs to Modbus RTU-compatible controllers. Bring sensor readings to the points where your installation needs them.

Scenarios where it adds value:

- **You need more measurement inputs**
Expand a Modbus RTU controller with eight 0–10 V analogue channels.
- **Sensors are distributed across the installation**
Group readings by zone or cabinet and connect modules to the RS485 bus.
- **You use analogue transmitters**
Integrate sensors whose outputs are compatible with the 0–10 V range.
- **You want to retain the existing controller**
Add measurement points without replacing a controller that supports Modbus RTU.
- **You need straightforward cabinet installation**
DIN-rail mounting and DIP switches simplify installation and addressing.
- **Measurements must participate in automation**
The controller uses data for project-defined rules, monitoring and records.

TYPICAL ARCHITECTURE



Sensors must provide compatible signals. Current signals require the appropriate adapter. Module power is separate from the communication bus.

adquio.com

SPECIFICATIONS

Reference	ADQ-SA-8AI
Inputs	8 × 0–10 V DC
Resolution	12 bits
Communication	1 × RS485 · Modbus RTU
Serial settings	9600 bps · N,8,1
Power supply	24 V DC nominal · 28 V DC max.
Nominal current	15 mA at 24 V DC
Addressing	DIP switches
Mounting	35 mm DIN rail
Protection	IP20
Temperature	0 to +60 °C
Current signals	0–20 / 4–20 mA adapters available



Built-in security



Easy setup



Unlimited integration



Technical support and guidance

adquio.com
support@adquio.com
+34 881246255