

## Proportional Diaphragm Valve

A02 Series  
Proportional Control  
Angle Seat Valve



## Technical Specification

- Voltage: 24V DC
- Power: <10W
- Input signal: 0/4–20mA, 0–5/10V
- Output signal: 0/4–20mA, 0–5/10V
- Enclosure material: PA6–GF30+PC
- Control pressure: 4.5–7bar (65–102psi)
- Ambient temperature: 0–60°C
- Protection level: IP65
- Explosion–proof: Ex nA IIC T4

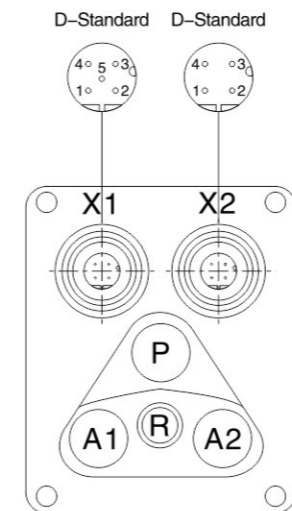
## Function Principle

Intelligent positioner is a microprocessor–based valve regulator. The valve's open/close state is controlled by external input signals. It is widely used in industrial fluids control systems in order to enable remote and automated control.

## Advantages

1. Compact size to save space.
2. Reliable performance and sensitive reaction.
3. Large LCD display makes it easy to operate.
4. Standard electrical interface allows convenient wiring.
5. High adjustment precision and strong anti–interference performance.
6. Spring–loaded feedback rod for easy installation.
7. Allows various types of connection interface.

## Interface Definition



## Electrical Terminal

Port Label	Terminal #	Description	Signal Type
X1	1	Analog signal output +	0/4–20mA or 0–5/10V
	2	Analog signal output –	GND
	3	Improper position alarm output	High level (display:UN–ADJ)
	4	Safe position trigger input	High level
	5	Signal common GND	GND
X2	1	Power +	+24V
	2	Power GND	GND
	3	Set signal input +	0/4–20mA or 0–5/10V
	4	Set signal input to GND	GND

## Pneumatic Terminal

Port Label	Description
P	Air input
A1	Pilot port 1
A2	Pilot port 2
R	Exhaust port

## Order Instruction

