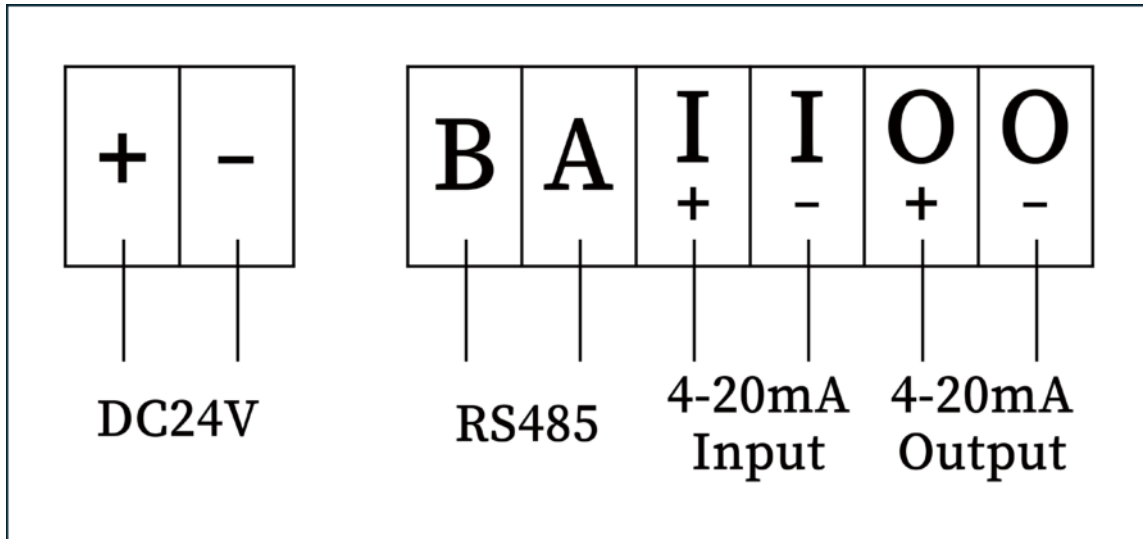


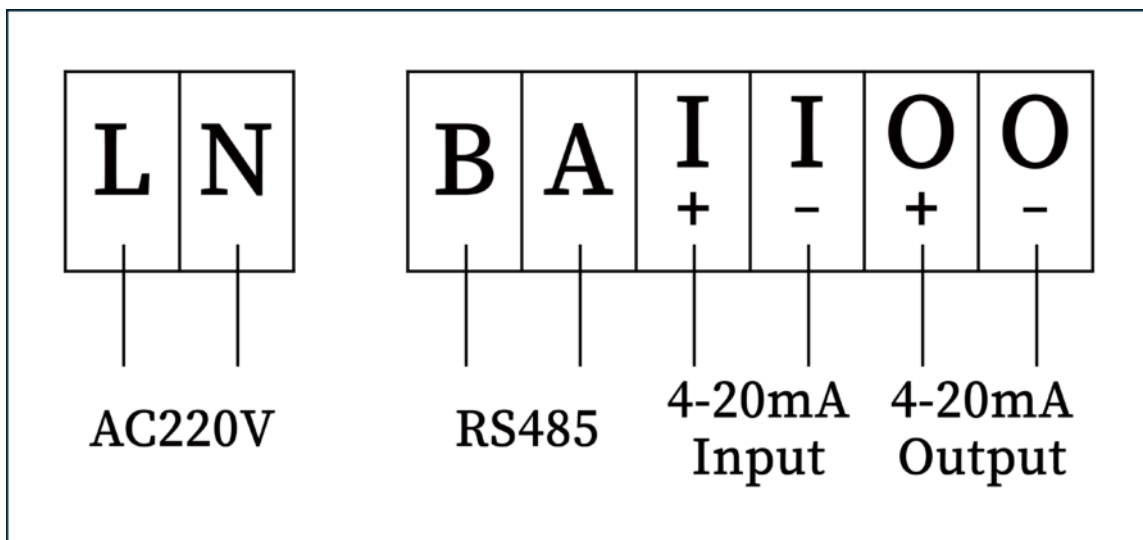


IoT Mini Electric Actuator Selection Manual

Circuit Diagram



IoT Mini Electric Actuator-DC24V



IoT Mini Electric Actuator-AC220V

IoT Mini Electric Actuator

Product Introduction

The IoT Mini Electric Actuator is a newly developed ultra-compact electric actuator by Gelait. It is applicable to angular travel valves such as butterfly valves, ball valves and air dampers, and serves to fully open, fully close or modulate the opening degree of valves.



WA-20 IoT Mini Electric Actuator

The WA-50 controller has two control modes: on/off type and modulating type.



调节型



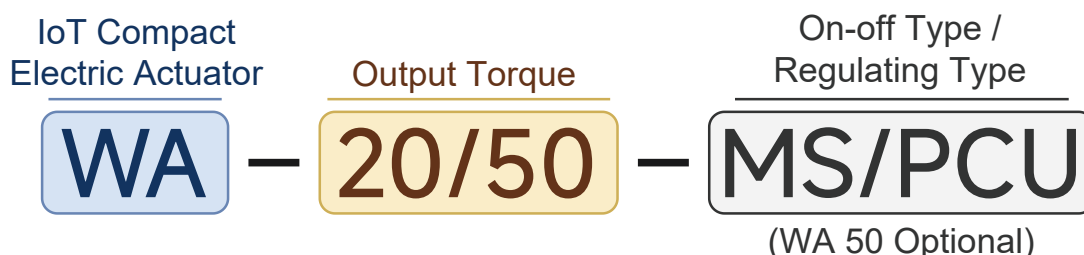
开关型

Product Features

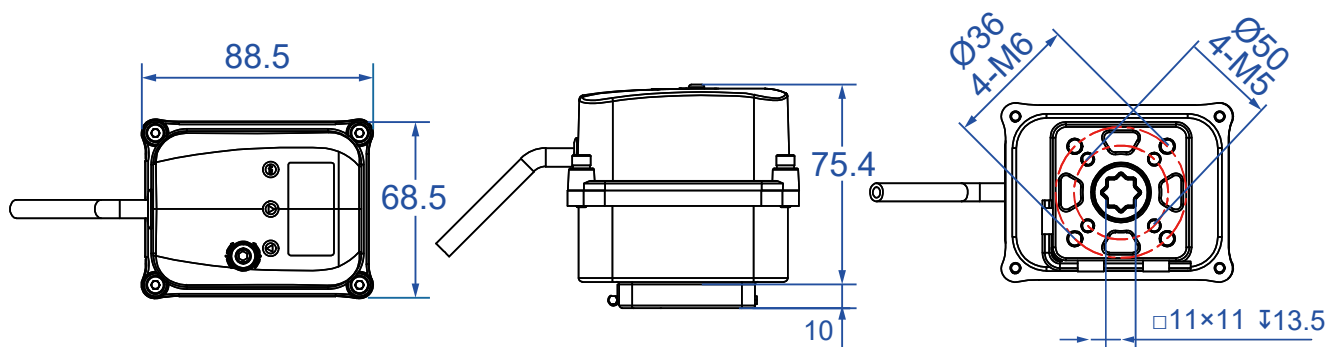
- Wide Voltage Compatibility: Supports AC220V/DC24V, flexibly adapting to most industrial automation applications for greater convenience.
- Compact Size: 1/3 smaller than actuators with equivalent torque on the market, lightweight yet powerful.
- High Torque Output: Rated torque up to 50 N·m for steady operation with various valves.
- Low Power Consumption & High Efficiency: Reduces energy cost while maintaining stable efficient performance.
- Broad Valve Adaptability: Fits ball valves DN40 and below to meet diverse user requirements.
- Smooth Speed Regulation: Adopts stepless PWM speed control for stable operation.

Note: PWM continuous stepless control delivers smooth running with slight torque reduction; lower speed corresponds to smaller torque, adjustable speed range: 30%–100%.

Selection Instructions



■ WA-20 IoT Mini Electric Actuator Dimension Drawing

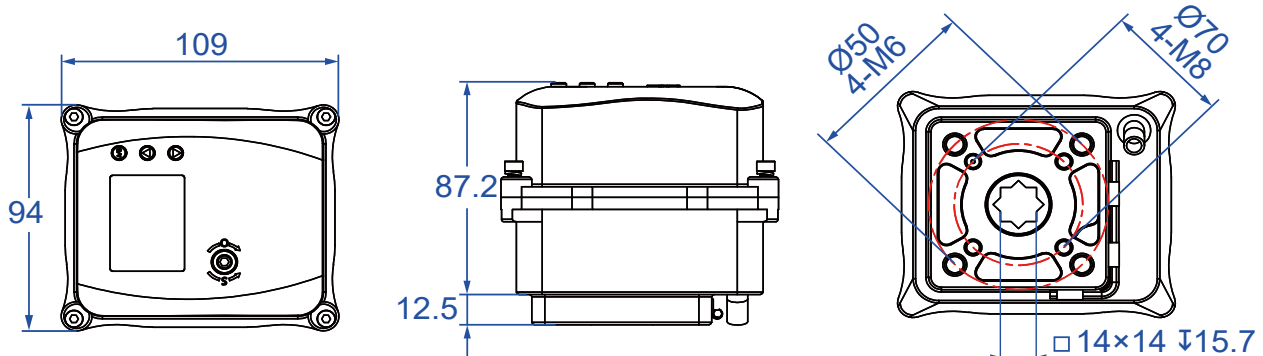


Note: Octagonal.opt. □9×9, □11×11

Model	WA-20
Performance Parameters	
Rated Voltage	AC220V/DC24V
Power Consumption	10W
Rated Torque	20N·m
Applicable Valves	20N·m (Ball Valves DN25 and below)
Speed Regulation Mode	Stepless PWM speed regulation with stable operation
Adjustable Range	30%-100%
Control Mode	Regulation (Encoder)
Communication Protocol	Modbus Compatible
Control Accuracy	0.5%; High-performance brushless motor with built-in overload protection
Stroke Time	15s-25s (0-90°)
Position Indication	OLED real-time display of current status and parameter information
Manual Override Function	Hex Wrench
Housing Material	Integrated upper housing consisting of ABS shell, TPE buttons and PC lens; Die-cast aluminum lower housing
Output Shaft	Recessed square drive (11×11mm)

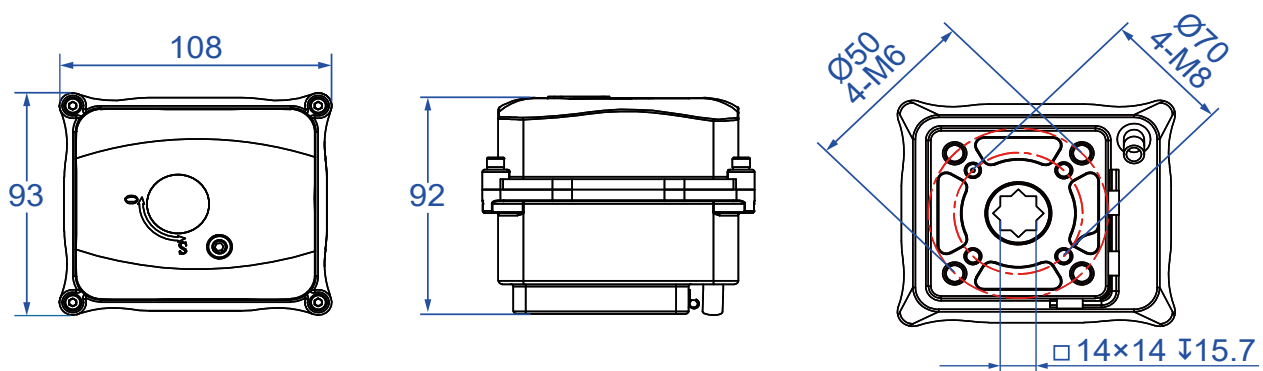
■ WA-50 IoT Mini Electric Actuator Dimension Drawing

Regulating Type:



Note: Octagonal.opt. □9×9, □11×11, □14×14

On - off Type:



Note: Octagonal.opt. □9×9, □11×11, □14×14

Model	WA-50
Performance Parameters	
Rated Voltage	AC220V/DC24V
Power Consumption	10W
Rated Torque	50N·m
Applicable Valves	50N·m (Ball Valve DN32-DN40)
Speed Regulation Mode	Stepless PWM speed regulation with stable operation
Adjustable Range	30%-100%
Control Mode	Regulation (Encoder)
Communication Protocol	Modbus Compatible
Control Accuracy	0.5%; High-performance brushless motor with built-in overload protection
Stroke Time	15s-25s (0-90°)
Position Indication	OLED real-time display of current status and parameter information
Manual Override Function	Hex Wrench
Housing Material	Integrated upper housing: ABS body + TPE buttons + PC lens; Die-cast aluminum lower housing
Output Shaft	Recessed square drive (14×14mm)

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