

AD1 type Electric Actuator Specifications

FEATURE

AD series with powerful motor and control board offer reliable automatic control of quarter-turn valves.
 These actuators provide maximum versatility in electrical control.
 The use of self-locking worm gear is standard and ensures positive valve position.

SPECIFICATION

Actuator type (□:Voltage code)	AD1-300-□	AD1-700-□
Voltage	100 / 110 V AC ±10 % 50/60 Hz (Code: 1) 200 / 220 V AC ±10 % 50/60 Hz (Code: 2)	
Rated torque [N·m]	30	70
Operation time [s]	3 to 4	6 to 10
Power consumption (Max) [VA]	100	
Motor	DC motor	
Overload protection	Thermistor	
Method of operation	Transfer input type	
Operation	Power to S → SHUT (SHUT PL is lit.) Power to O → OPEN (OPEN PL is lit.)	
Output signal rating	Resistance load 10 A 250 V AC (Minimum 27 mA)	
Duty cycle	20 % 15 min. (When ambient temperature is over 50 °C, 10 % 15 min.)	
Ambient temperature	-20 to 55 °C	
Space heater	0.8 W	
Manual operation	Manual over-ride with clutch (Direct operation)	
Enclosure	Equivalent to IP65 (IEC 60529)	
Housing material	Aluminum alloy diecast (acrylic resin baking finish)	
Wire connection	Terminal Block: M3, Ground terminal: M3	
Conduct port	2-G1/2 Attachments: Cable gland (for Φ6 to 12 mm cable), plug.	

3 way valve: SHUT / Position①, OPEN / Position②

WIRING

