

HD2 type Electric Actuator Specifications

FEATURE

HD 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)	HD2-300-□	HD2-700-□	HD2-02K-□	HD2-06K-□
Voltage	100 / 110 V AC ±10 % 50/60 Hz (Code: 1) 200 / 220 V AC ±10 % 50/60 Hz (Code: 2) 24 V DC (Code: 0)			
Rated torque [N·m]	30	70	200	600
Operation time [s]	1 to 2	3 to 5	AC: 8 to 15 DC: 12 to 17	AC: 24 to 45 DC: 36 to 50
Power consumption (Max) [VA]	AC: 150 DC: 120			
Motor	DC motor			
Overload protection	Current limiter			
Method of operation	a-contactinput type, with built-in relay			
Operation	SW is OFF → SHUT (R3 SW is ON) SW is ON → OPEN (R4 SW is ON) Over torque → R5 SW is ON			
Input signal current	10 mA 100 V AC / 6.5 mA 200 V AC / 38 mA 24 V DC (Leakage current in SW: less than 1 mA) *O terminal input: Photo coupler			
Output signal rating	Resistance load 0.5 A 125 V AC / 1 A 24 V DC Micro load 1 mA 5 V DC			
Alarm signal	Output when the motor protection circuit operates by the overload. (it returns by power supply OFF or reverse operating signal)			
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 / 06K: Operation by manual shaft.)			
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

