

Electric Actuator HQ-006 Series

HQ-006 Series

- HQ-006 Actuator is newly designed and invented for small size valve automation like ball, butterfly, plug and even dampers.
- Small, light and compact design, high torque and various control options will meet your specific requirements.
- HQ provides high technical service & quality products for your automation system.

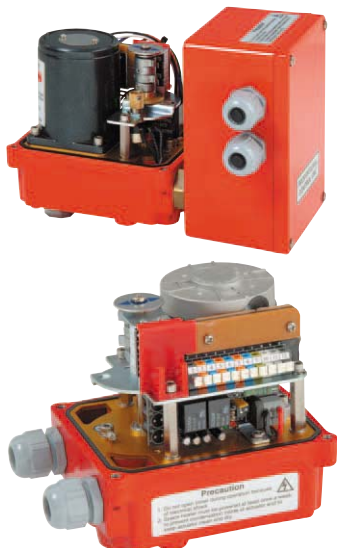
FEATURES

- Compact and light due to high grade aluminum alloy housing.
- High resistance for corrosion due to hard anodizing on inside & outside and polyester powder coating on external surface
- Output torque : 60Nm(6kg.m)
- The actuator motor is reversible, high torque and low current design.
- Solid with O-ring system giving weatherproof (IP67)



STANDARD CONFIGURATION

- Manual handwheel
- Wide, easy mounting base standard to ISO5211(F03/F05/F07)
- Standard 4 limit switches.
2 for operation, 2 for extra(dry contacts)
- Captive cover bolt.
- Space heater.
- Limit switches for easy and tight setting.
- Terminal block. (11P)
- Standard color : Red or Blue

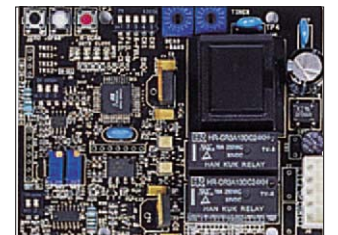


OPTION CONFIGURATION

- Position Indication Unit (Potentiometer kit, PIU)
High resolution potentiometer with precisely machined gearing directly engaged with driving shaft provides continuous monitoring of position of valve and actuator



- Proportional Control Unit (PCU)
-HQ PCU is a combination of electronic positioner.
-Input signal range :
4~20mA, or 0~10VDC
-Output signal range :
4~20mA, or 0~10VDC
-Adjustable range:
zero 8mA, open 16mA
-Position conversion accuracy :
0.5~1.5%(depends on installation)



- AC/DC 24V Control Unit
-AC or DC power input (2-wire) only by user
-Control function built inside



PERFORMANCE

TYPE (MODEL)	Maximum output torque		Operating time 60/50Hz	Mounting size	Motor class F Model & frame size	Rated current(A) 60Hz			Duty cycle IEC 34-1	Number of handle turn	Weight
	Kg.m	N.m				90°	ISO 5211	M * F			
			110V	220V	24V				S2(%)	N	Kg
HQ-006	6	58	12/14	F03/F05/F07	6 * 70	0.4 / 0.39	0.2 / 0.19	0.2	35	8	3

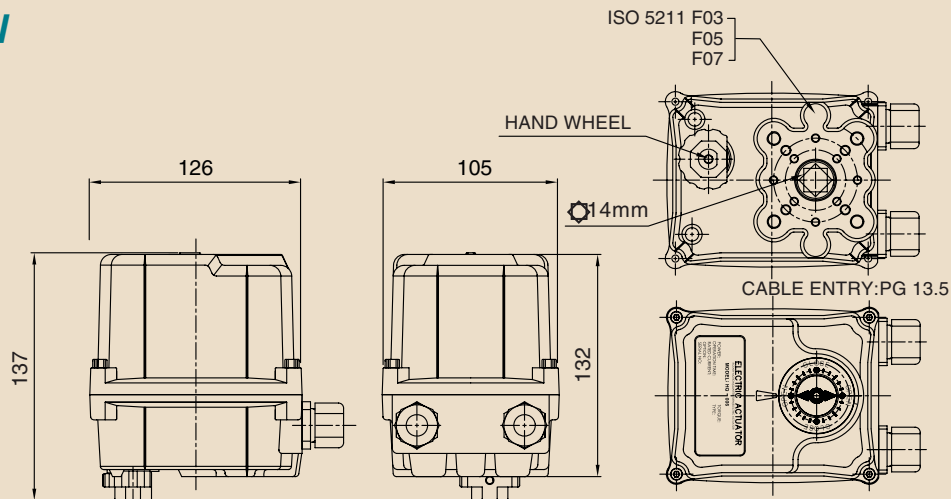
STANDARD SPECIFICATION

Enclosure	Weatherproof enclosure IP67
Power supply	110/220V AC 1PH, 50/60Hz, ±10%
Duty cycle(on-off duty)	S2 35%
Motor	Reversible motor
Limit switches	Open/close, SPDT, 250V AC 10A rating
Additional limit switches	Open/ close, SPDT, 250V AC 10A rating
Space heater	2W (110/220V AC)Anti-condensation
Manual override	Handwheel (hexagon design)
Cable entries	Two PG 13.5 Tap(Option : NPT1/2", PT1/2", PF 1/2")
Movement angle	320° ± 10° (0° ~330°)
Ambient temperature	-20°C~70°C
External coating	Polyester powder coating

OPTION SPECIFICATION

PIU	Potentiometer unit(0~1 KΩ)
PCU	Proportional control unit (In/out:0~10V, 4~20mA DC)
CPT	Current position transmitter (Output 4~20mA DC)
ADCM	Multi(24VAC/DC)
DCM	DC motor (24VDC)
LCU	Local control unit -remote/local -open/stop/close

DIMENSION



APPLICATION



BUTTERFLY VALVES
BALL VALVES
DAMPER VALVES
PLUG VALVES

VALVE AUTOMATION (ROTARY MOTION VALVES)