

Electric Actuator EACD-60 Series

EACD Series

- 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.

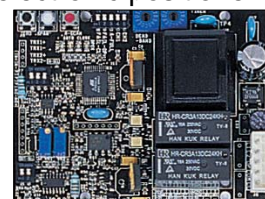
-Input / Output signal range :

4~20mA, or 0~10VDC

-Adjustable range:

zero 8mA, open 16mA

-Position conversion accuracy



AC/DC 24V Control Unit -Dip Switch

Mode	1	2
DC	ON	OFF
AC	OFF	ON

-AC or DC Power input (2-wire) by user



PERFORMANCE

TYPE (MODEL)	MAXIMUM OUTPUT TORQUE		OPERATING TIME 60/50Hz 90°	MOUNTING SIZE ISO5211 FO3/F05/F07	MOTOR CLASS FRAME SIZE W * F 6 * 70	RATED CURRENT(A) 60Hz			DUTY CYCLE IEC 34-1 S2(%) 35	NUMBER OF HANDLE TURN N 8	WEIGHT Kg 3
	Kg.m	N.m				AC 1PH. 60Hz/50Hz	DC	24V			
EACD-60	6	58	12/14	FO3/F05/F07	6 * 70	0.4 / 0.39	0.2 / 0.19	0.2	35	8	3

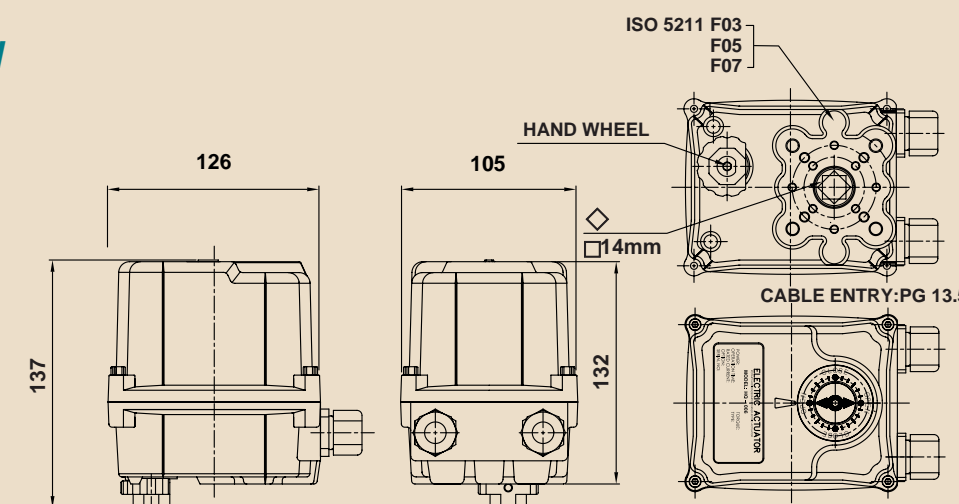
STANDARD SPECIFICATION

Enclosure	Weatherproof enclosure IP67
Power supply	110/220V AC 1PH, 50/60Hz, $\pm 10\%$
Duty cycle(on-off duty)	S2 35%
Motor	Reversible motor
Limit switches	Open/Close, SPDT, 250V AC 3A rating
Additional limit switches	Open/Close, SPDT, 250V AC 3A rating
Space heater	2W (110/220V AC)Anti-condensation
Manual override	Handwheel (hexagon design)
Cable Conduit	Two PG 13.5 Tap(Option : NPT1/2", PT1/2", PF 1/2")
Movement angle	90° \pm 10°
Ambient temperature	-20°C~70°C
External coating	Polyester powder coating

OPTION SPECIFICATION

PIU	Potentiometer unit(1 K Ω ~10 K Ω)
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)