

EA50 and EA60 Standard Series Medium Torque

MODEL

- Proportional actuators w/ built-in feedback potentiometer
- Open/Close contact closure input
- 24Vac, 120Vac, and 240Vac
- 60, 220, and 450 in-lbs torque
- Compatible with VB series valves

i n v e n s i s

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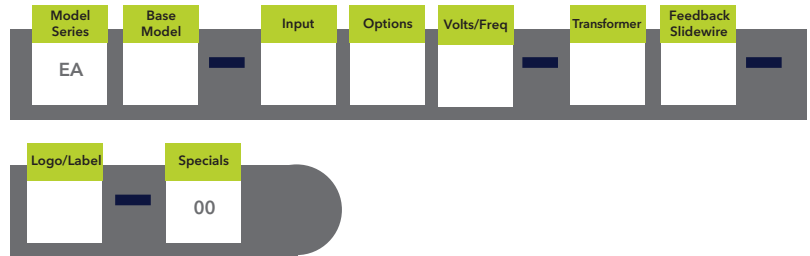
Non-Spring Return Rotary Actuator Specification Sheet

The EA50 and EA60 medium torque actuators are ideal for proportional positioning of a fuel valve, butterfly valve, damper and similar applications. Units are available with either fixed or adjustable speed. Timing of adjustable speed units can be increased (decreasing the speed) by turning a slotted adjustment screw on the outside of the case. Adjust range is approximately ten times rated. Standard features include a 100 Ω feedback slidewire and a single SPDT switch. All models, except those with transformers, are UL/cUL listed. The EA50 and EA60 are compatible with the VB-7000 and VB-9000 valves in this catalog.

Specifications

- Control action: Floating, Requires SPDT switch with floating (center off) position rated at 9.0 amps. Proportional electric with slidewire feedback.
- Connections: Coded screw terminals
- Shaft rotation: Reversible proportional can stop at any point in the stroke. Adjustable 45° - 320°
- Auxiliary switch: Adjustable SPDT snap acting, factory set to close one contact and open the other at
- Ambient Temperature: -40 to 136°F (-40 to 58°C)
- Humidity: 5 to 95% RH, non-condensing
- Case: Die cast aluminum with two 1/2" conduit Knockouts each side
- Motor and gear train: Oil immersed
- Mounting: Damper - Upright recommended
- Valve - Any upright position with actuator above centerline of valve body
- Dimensions: 7" H x 5-3/8" W x 6-5/16" D
- Weight: 8lbs.

Ordering codes



Base Model					
51	90° travel limit, 12sec(adj), 60 in-lbs torque	55	90° travel limit, 40 sec. (adj), 220 in-lbs torque	60	90° travel limit, 65 sec., 450 in-lbs torque
52	180° travel limit, 25 sec. (adj), 60 in-lbs torque	56	180° travel limit, 80 sec. (adj), 220 in-lbs torque	61	180° travel limit, 130 sec., 450 in-lbs torque
53	90° travel limit, 12 sec., 60 in-lbs torque	57	90° travel limit, 40 sec., 220 in-lbs torque		
54	180° travel limit, 25 sec., 60 in-lbs torque	58	180° travel limit, 80 sec., 220 in-lbs torque		

Input				
00	Contact		Rain Tight Converters	
11	4-20mAdc	658A-00001	21	4-20mAdc 658A-00011
12	4-12mAdc	658A-00002	22	4-12mAdc 658A-00012
13	12-20mAdc	658A-00003	23	12-20mAdc 658A-00013
14	2-12mAdc	658A-00004	24	2-12mAdc 658A-00014
15	2-7mAdc	658A-00005	25	2-7mAdc 658A-00015
16	7-12mAdc	658A-00006	26	7-12mAdc 658A-00016
19	Special	658A-00008-x*	29	Special 658A-00018-x*
31	4-20mAdc	659A-00000	41	Slidewire 659A-00010

Motor Volt/Frequency	
0	120Vac, 60Hz
1	120Vac, 50Hz (n/a w/EA52 or EA54)
3	240Vac, 60Hz
4	240Vac, 50Hz (n/a w/EA53 or EA58)
5	24Vac, 60Hz (n/a with EA51, EA53, EA54)

Options	
Not NEMA 4 Rated	
00	None
01	Two auxiliary SPDT switches
02	Four auxiliary SPDT switches
03	Rear shaft
04	100 Ω rear slidewire
05	100 Ω rear slidewire with two switches
06	1000Ω rear slidewire
07	1000Ω rear slidewire with two switches
NEMA 4 Rated	
31	One 100 Ω rear slidewire and cover, NEMA 4
32	Two 100 Ω rear slidewires and cover, NEMA 4
33	Three 100 Ω rear slidewires and cover, NEMA 4
37	NEMA 4 weather resistant cover

Transformer	
00	None
01	Built in 120-24Vac**
02	Built in 240-24Vac**

Slidewire	
0	100 Ω
1	135 Ω
2	300 Ω
3	1000 Ω

Logo/Label	
E	Eurotherm

Specials	
00	None

Eurotherm: International sales and service

www.eurotherm.com

AUSTRALIA Melbourne
T (+61 0) 8562 9800
E info.eurotherm.au@invensys.com

AUSTRIA Vienna
T (+43 1) 7987601
E info.eurotherm.at@invensys.com

BELGIUM & LUXEMBOURG Moha
T (+32) 85 274080
E info.eurotherm.be@invensys.com

BRAZIL Campinas-SP
T (+5519) 3707 5333
E info.eurotherm.br@invensys.com

CHINA
T (+86 21) 61451188
E info.eurotherm.cn@invensys.com

Beijing Office
T (+86 10) 5909 5700
E info.eurotherm.cn@invensys.com

FRANCE Lyon
T (+33 478) 664500
E info.eurotherm.fr@invensys.com

GERMANY Limburg
T (+49 6431) 2980
E info.eurotherm.de@invensys.com

INDIA Mumbai
T (+91 22) 67579800
E info.eurotherm.in@invensys.com

IRELAND Dublin
T (+353 1) 4691800
E info.eurotherm.ie@invensys.com

ITALY Como
T (+39 031) 975111
E info.eurotherm.it@invensys.com

KOREA Seoul
T (+82 2) 2090 0900
E info.eurotherm.kr@invensys.com

NETHERLANDS Alphen a/d Rijn
T (+31 172) 411752
E info.eurotherm.nl@invensys.com

POLAND Katowice
T (+48 32) 78395000
E info.eurotherm.pl@invensys.com

SPAIN Madrid
T (+34 91) 6616001
E info.eurotherm.es@invensys.com

SWEDEN Malmo
T (+46 40) 384500
E info.eurotherm.se@invensys.com

SWITZERLAND Wollerau
T (+41 44) 7871040
E info.eurotherm.ch@invensys.com

UNITED KINGDOM Worthing
T (+44 1903) 268500
E info.eurotherm.uk@invensys.com

U.S.A. Ashburn VA
T (+1 703) 724 7300
E info.eurotherm.us@invensys.com

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