



Series ER electric actuators

radius



ER Series Electric Actuators

Series ER Description

On/Off Versions:

- 90° and 180° reversible electric actuator
- Plastic housing

Standard Equipment

- Synchronous Motor
- 4 adjustable 5A limit switches
- Manual override
- Torque limiter
- Security fuse

Optional Equipment

- 10W heating resistor
- 1, 5, 10K Ohm Potentiometer
- Fail safe battery kit

Technical Data

- Duty rating: 50% for 115/230V and 30% all others
- Temperature range 10 -130° f
- Electrical Connection: 1/2" conduit
- Enclosure: IP 65
- Weights: ER 88/175/310: 3.3lbs.
- ER 400/530/880: 6.5lbs.

Modulating Versions:

- 90° and 180° reversible electric actuator with 0 -10vdc or 4 -20ma modulating board
- Plastic housing

Standard Equipment

- Synchronous Motor
- 4 adjustable 5A limit switches
- Manual override
- Torque limiter
- Security fuse

Optional Equipment

- 10W heating resistor

Technical Data

- Duty rating: 50% for 115/230V and 30% all others
- Temperature range 10 -130° f
- Electrical Connection: 1/2" conduit
- Enclosure: IP 65
- Weights: ER 175/310: 3.3lbs.
- ER 400/530/880: 6.5lbs.

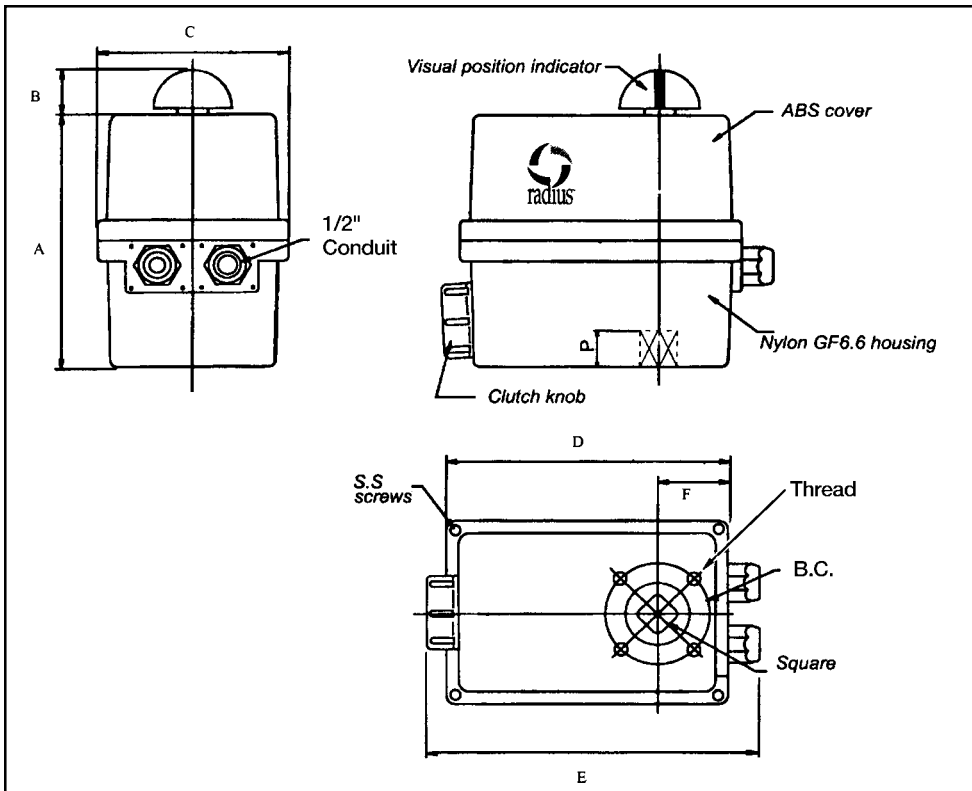
ON/ OFF MODELS

Model #	Output Shaft/ Mounting	Torque	Voltage	Power Rating	Speed/90° Sec.
ER88-F05/55-25-230VAC	.55/ 1.97"	88 Inch/pounds	230VAC	9W	25
ER88-F05/55-25-115VAC	.55/ 1.97"	88 Inch/pounds	115VAC	9W	25
ER88-F05/55-10-230VAC	.55/ 1.97"	88 Inch/pounds	230VAC	15W	10
ER88-F05/55-10-115VAC	.55/ 1.97"	88 Inch/pounds	115VAC	15W	10
ER88-F05/55-10-24VAC	.55/ 1.97"	88 Inch/pounds	24VAC	6W	10
ER88-F05/55-10-24VDC	.55/ 1.97"	88 Inch/pounds	24VDC	6W	10
ER88-F05/55-20-12VDC	.55/ 1.97"	88 Inch/pounds	12VDC	4W	20
ER175-F05/55-20-230VAC	.55/ 1.97"	175 Inch/pounds	230VAC	15W	20
ER175-F05/55-20-115VAC	.55/ 1.97"	175 Inch/pounds	115VAC	15W	20
ER175-F05/55-5-24VAC	.55/ 1.97"	175 Inch/pounds	24VAC	26W	5
ER175-F05/55-5-24VDC	.55/ 1.97"	175 Inch/pounds	24VDC	26W	5
ER175-F05/55-8-12VDC	.55/ 1.97"	175 Inch/pounds	12VDC	15W	8
ER310-F05/55-35-230VAC	.55/ 1.97"	310 Inch/pounds	230VAC	15W	35
ER310-F05/55-35-115VAC	.55/ 1.97"	310 Inch/pounds	115VAC	15W	35
ER310-F05/55-100-230VAC	.55/ 1.97"	310 Inch/pounds	230VAC	9W	100
ER310-F05/55-100-115VAC	.55/ 1.97"	310 Inch/pounds	115VAC	9W	100
ER310-F05/55-100-24VAC	.55/ 1.97"	310 Inch/pounds	24VAC	9W	100
ER310-F05/55-10-24VAC	.55/ 1.97"	310 Inch/pounds	24VAC	26W	10
ER310-F05/55-10-24VDC	.55/ 1.97"	310 Inch/pounds	24VDC	26W	10
ER310-F05/55-15-12VDC	.55/ 1.97"	310 Inch/pounds	12VDC	15W	15
ER400-F05/7/67-20-230VAC	.67/ 1.97 & 2.76"	400 Inch/pounds	230VAC	24W	20
ER400-F05/7/67-20-115VAC	.67/ 1.97 & 2.76"	400 Inch/pounds	115VAC	24W	20
ER400-F05/7/67-10-24VAC	.67/ 1.97 & 2.76"	400 Inch/pounds	24VAC	26W	10
ER400-F05/7/67-10-24VDC	.67/ 1.97 & 2.76"	400 Inch/pounds	24VDC	26W	10
ER400-F05/7/67-20-12VDC	.67/ 1.97 & 2.76"	400 Inch/pounds	12VDC	15W	20
ER530-F05/7/67-20-230VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	230VAC	24W	20
ER530-F05/7/67-20-115VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	115VAC	24W	20
ER530-F05/7/67-100-230VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	230VAC	13W	100
ER530-F05/7/67-100-115VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	115VAC	13W	100
ER530-F05/7/67-100-24VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	24VAC	6W	100
ER530-F05/7/67-20-24VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	24VAC	26W	20
ER530-F05/7/67-20-24VDC	.67/ 1.97 & 2.76"	530 Inch/pounds	24VDC	26W	20
ER530-F05/7/67-20-12VDC	.67/ 1.97 & 2.76"	530 Inch/pounds	12VDC	15W	20
ER880-F05/7/67-20-230VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	230VAC	38W	20
ER880-F05/7/67-20-115VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	115VAC	38W	20
ER880-F05/7/67-35-230VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	230VAC	24W	35
ER880-F05/7/67-35-115VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	115VAC	24W	35
ER880-F05/7/67-160-230VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	230VAC	13W	160
ER880-F05/7/67-160-115VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	115VAC	13W	160
ER880-F05/7/67-120-24VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	24VAC	6W	120
ER880-F05/7/67-30-24VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	24VAC	26W	30
ER880-F05/7/67-30-24VDC	.67/ 1.97 & 2.76"	880 Inch/pounds	24VDC	26W	30
ER880-F05/7/67-45-12VDC	.67/ 1.97 & 2.76"	880 Inch/pounds	12VDC	15W	45

FACTORY STOCK ITEMS

MODULATING VERSIONS	Output Shaft/ Mounting	Torque	Voltage	CONTROL SIGNAL	Power Rating	Speed/90° Sec.
ER175M-F05/55-30-230VAC	.55/ 1.97"	175 Inch/pounds	230VAC	4-20ma	6W	30
ER175M-F05/55-30-115VAC	.55/ 1.97"	175 Inch/pounds	115VAC	4-20ma	6W	30
ER175M-F05/55-30-24VAC	.55/ 1.97"	175 Inch/pounds	24VAC	4-20ma	6W	30
ER175M-F05/55-30-24VDC	.55/ 1.97"	175 Inch/pounds	24VDC	4-20ma	6W	30
ER310M-F05/55-100-230VAC	.55/ 1.97"	310 Inch/pounds	230VAC	4-20 /1-10vdc	9W	100
ER310M-F05/55-100-115VAC	.55/ 1.97"	310 Inch/pounds	115VAC	4-20 /1-10vdc	9W	100
ER310M-F05/55-100-24VAC	.55/ 1.97"	310 Inch/pounds	24VAC	4-20 /1-10vdc	9W	100
ER530M-F05/7/67-100-230VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	230VAC	4-20ma	6W	100
ER530M-F05/7/67-100-115VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	115VAC	4-20ma	6W	100
ER530M-F05/7/67-100-24VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	24VAC	4-20ma	6W	100
ER530M-F05/7/67-100-24VDC	.67/ 1.97 & 2.76"	530 Inch/pounds	24VDC	4-20ma	6W	100
ER530M-F05/7/67-100-230VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	230VAC	4-20 /1-10vdc	14W	100
ER530M-F05/7/67-100-115VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	115VAC	4-20 /1-10vdc	14W	100
ER530M-F05/7/67-100-24VAC	.67/ 1.97 & 2.76"	530 Inch/pounds	24VAC	4-20 /1-10vdc	6W	100
ER880M-F05/7/67-120-230VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	230VAC	4-20ma	6W	120
ER880M-F05/7/67-120-115VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	115VAC	4-20ma	6W	120
ER880M-F05/7/67-120-24VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	24VAC	4-20ma	6W	120
ER880M-F05/7/67-120-24VDC	.67/ 1.97 & 2.76"	880 Inch/pounds	24VDC	4-20ma	6W	120
ER880M-F05/7/67-160-230VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	230VAC	4-20 /1-10vdc	14W	160
ER880M-F05/7/67-160-115VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	115VAC	4-20 /1-10vdc	14W	160
ER880M-F05/7/67-120-24VAC	.67/ 1.97 & 2.76"	880 Inch/pounds	24VAC	4-20 /1-10vdc	6W	120

FACTORY STOCK ITEMS



DIMENSIONS

	A	B	C	D	E	F	B.C.	THREAD	P	SQUARE
SERIES 88/175/310	4.85	0.90	3.54	5.31	6.89	1.73	1.97	M6	0.67	0.55
SERIES 400/530/880	5.98	0.90	5.00	5.91	7.41	2.12	1.97/ 2.76	M6/M8	0.73	0.67



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