EAU Series Electric Actuators

FOR BALL VALVES UP TO 2"

KEY FEATURES

- UL/CSA Listed Motor
- Thermoplastic NEMA 4 / 4X Enclosure
- 2.5 Second, 90° Cycle Time, 5.0 sec 180° Cycle Time
- Permanently Lubricated Gear Train
- Actuator Brake
- 90 or 180° Operation
- Unidirectional, Not Reversing
- Terminal Block Connections
- Standard 120 VAC
- End of Travel Dry Contact Limit Switch
- Thermal Overload Protection
- Lightweight, Compact and Inexpensive

OPTIONS

- Voltage Options of 12, 24 or 220 VAC and 12 or 24 VDC

MATERIALS

- PP per ASTM D4101

QUICK & DISCOUNTED PRICING
CLICK HERE
OR CALL (908) 362-9981

TECHNICAL INFORMATION

SPECIFICATIONS

HOUSING	GFPP
OPERATION	Unidirectional
CONDUIT SIZE	1/2"
DUTY CYCLE	25%
CYCLE TIMES	2-1/2 Seconds, 90º Rotation; 5 Seconds, 180º Rotation
ENCLOSURE	NEMA 4 / 4X
VOLTAGE	120 VAC
THERMAL OVERLOAD PROTECTION MECHANICAL BRAKE MOTOR	UL Listed
AUXILIARY LIMIT SWITCHES	Rated 10A @ 230 VAC Resistive

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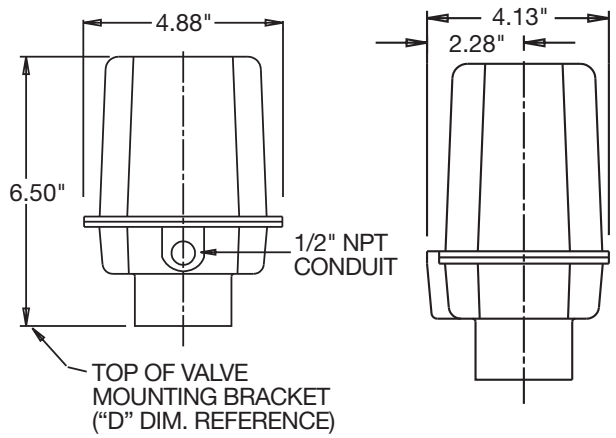
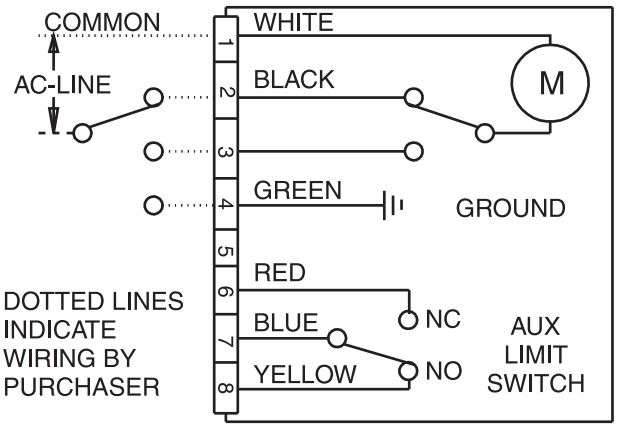
TECHNICAL INFORMATION, *CONTINUED*

DIMENSIONS



WIRING DIAGRAM



Dimensions are subject to change without notice – consult factory for installation information

ACTUATOR SPECIFICATIONS

MODEL	EAU
Torque Output (in-lbs)	120
Standard Voltage	120 VAC
Duty Cycle	25%
Thermal Overload	Standard
Cycle Time (in seconds)*	2.5 / 5.0
Auxiliary Switch Limit Rating	SPDT 10A Resistive @ 230 VAC
Conduit Entry	1/2" NPT
Enclosure	NEMA 4 / 4X
Enclosure Material	Polypropylene
Max Current Amps @ 120 VAC	1.8
Weight (lbs / kg)	6.2 / 2.7

* EAU28 = 180° (5.0 sec) EAU29 = 90° (2.5 sec)

VALVE SELECTION CHART

SIZE in / DN	TB / TBH / TN / LA90 SERIES BALL VALVES	TW / LA SERIES BALL VALVES
1/2 – 2 / 15 – 50	EAU29 (90º)	EAU28 (180º)

* Actuator size selections based on clean water at 70ºF

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EAU1 Series Electronic Actuators

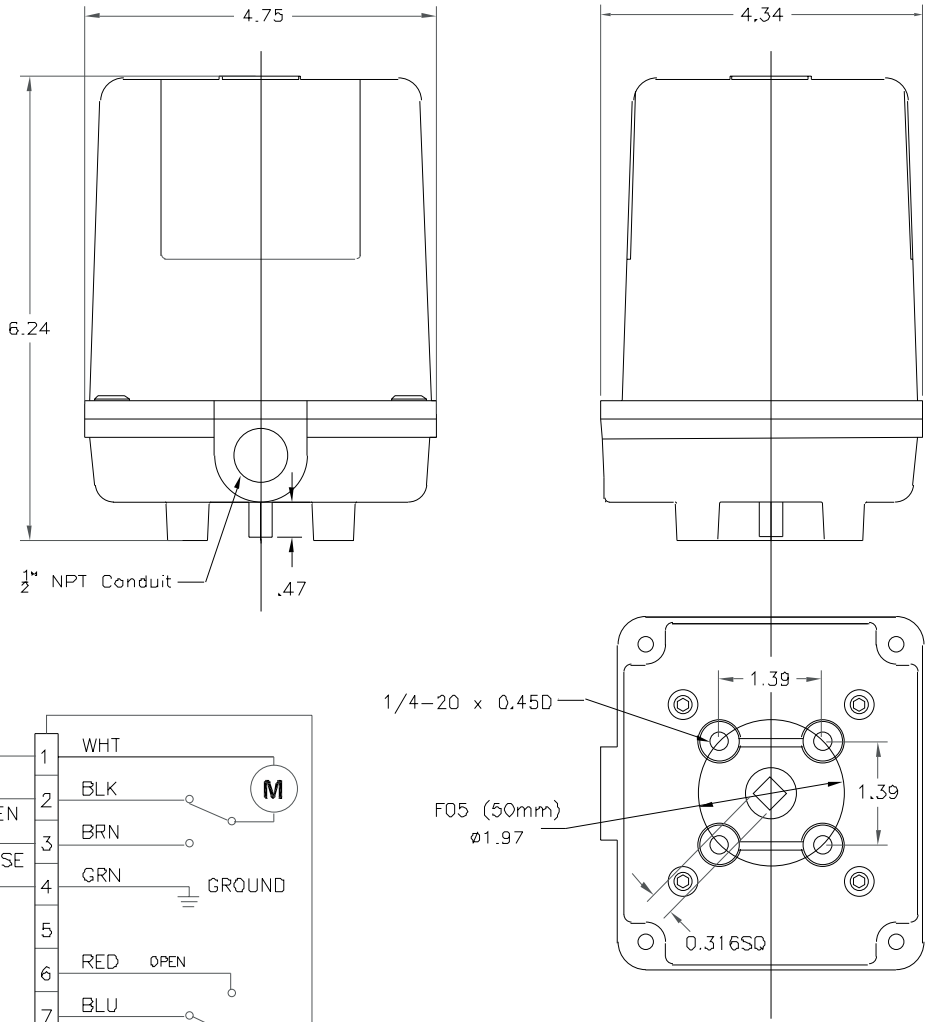
KEY FEATURES & BENEFITS

- ISO5211 Compliant F05 Base
- UL/CSA Listed Motor
- Thermoplastic NEMA 4 / 4X Enclosure
- 2.5 Second, 90° Cycle Time, 5.0 sec 180° Cycle Time
- Permanently Lubricated Gear Train
- Actuator Brake
- 90 or 180° Operation
- Unidirectional, Not Reversing
- Terminal Block Connections
- Standard 120 VAC
- End of Travel Dry Contact Limit Switch
- Thermal Overload Protection
- Lightweight, Compact and Inexpensive

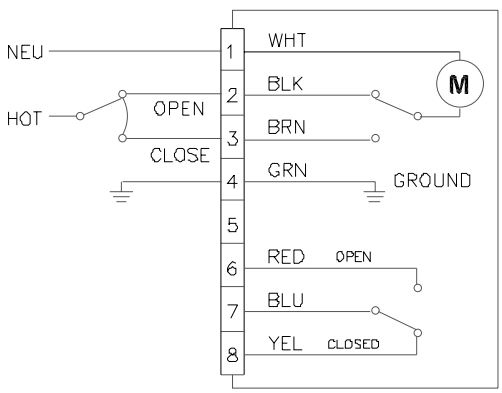
TECHNICAL INFORMATION

MODEL	EAU129	EAU12912A	EAU12912D	EAU12924A	EAU12924D	EAU129220A
Drive Cycle	90°	90°	90°	90°	90°	90°
Voltage	120V	12VAC	12VDC	24VAC	24VDC	220V
FLA/LRA	1.8A	4.8A	4.8A	2.4A	2.4A	0.9A
Cycle Time	2.5 sec	2.5 sec	2.5 sec	7.5 sec	2.5 sec	2.5 sec
Duty Cycle	25%	25%	25%	25%	25%	25%
Rated Torque	120"lbs (13.5Nm)					
Mount	ISO5211 F05 x 0.316 Male Drive, Offset 45°					
Operating Temp	32°F - 130°F (0°C - 55°C)					
Housing	GFPP					
Enclosure	NEMA 4/4X					
Operation	Unidirectional - CCW					
Conduit Size	1/2" EMT x 1 Port					
Auxiliary Switch	10A 230vac (Resistive) SPDT x 1					
Weight	6.2lb / 2.7kg					
Thermal Protection	UL Listed Motor Thermal Protection, Mechanical brake motor					

TECHNICAL INFORMATION, *CONTINUED*



WIRING DIAGRAM



VALVE SELECTION CHART

SIZE in / DN	TB / TBH
1/2 – 2 / 15 – 50	EAU129 (90º)

* Actuator size selections based on clean water at 70ºF