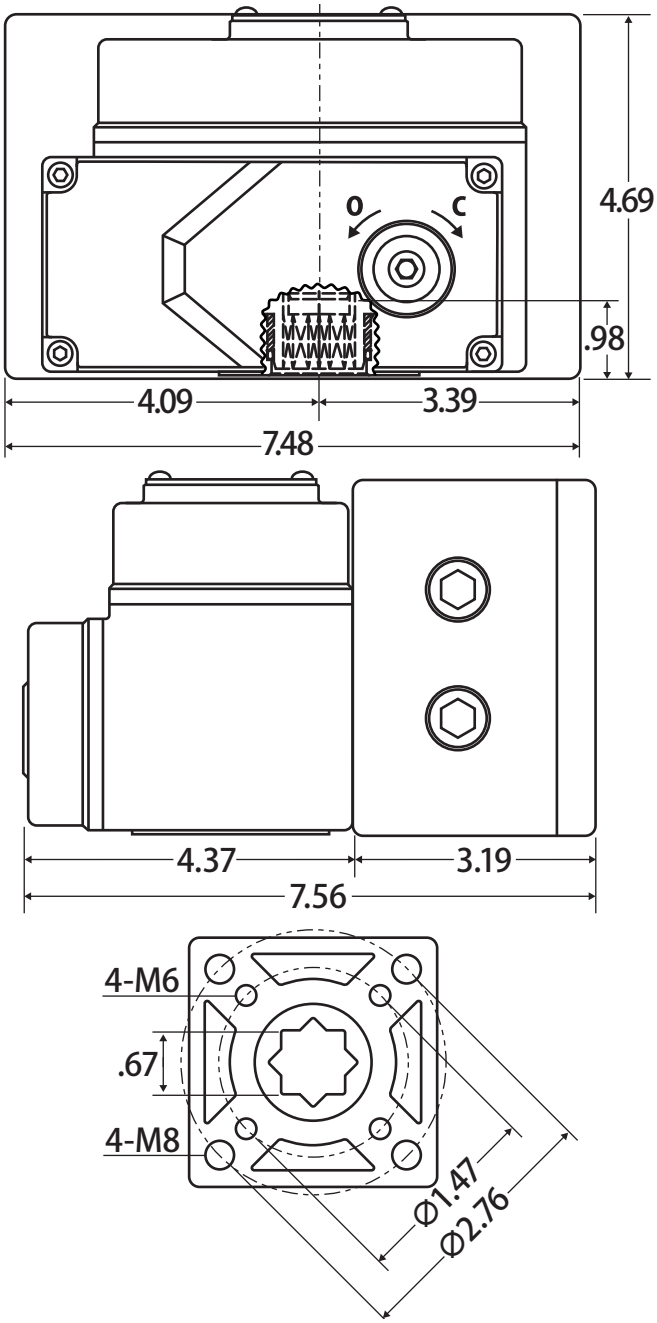
Electric Actuator • AE-700M

Double Acting •Nema 4x • Modulating • Manual Override



AE-700M

Note: 1.5" of clearance needed to remove cover



Features

- Hard anodized aluminum hosing with external powder coating for severe duty applications
- Enclosure: IP67, O-ring sealed
- ISO 5211 mounting
- Remote Position Contoller (RPC) modulation
- 90° operation
- Adjustable mechanical stops to prevent over travel
- Auto Calibration
- Position indicator
- Manual override standard
- 120V / 1Ph / 60Hz
- Thermally protected induction motor
- Worm gearing, no break required
- Spring loaded terminal block for ease in wiring

Actuator Specs

Torque (in-lbs)	700
Output Square	0.67
ISO 5211 Mounting	F05 / F07
IEC Duty Cycle (S2)	Max 30 min
IEC Duty Cycle (S4)	50%, 1,200 start/hr
Operating Time, 90° @ 120V (secs)	14
Rated current @ 120V (Amp.)	0.97A
Motor Insulation Class	E
Weight (lbs)	7.7
Limit Switches	2 - 1 ea for Open & Close (3A, 250VAC)
Auxiliary Limit Switches	2 - 1 ea for Open & Close (3A, 250VAC)
Cable Entry	3/4" NPT
Internal Htr.	Yes - 3W
Temperature Range	10° F to 150° F

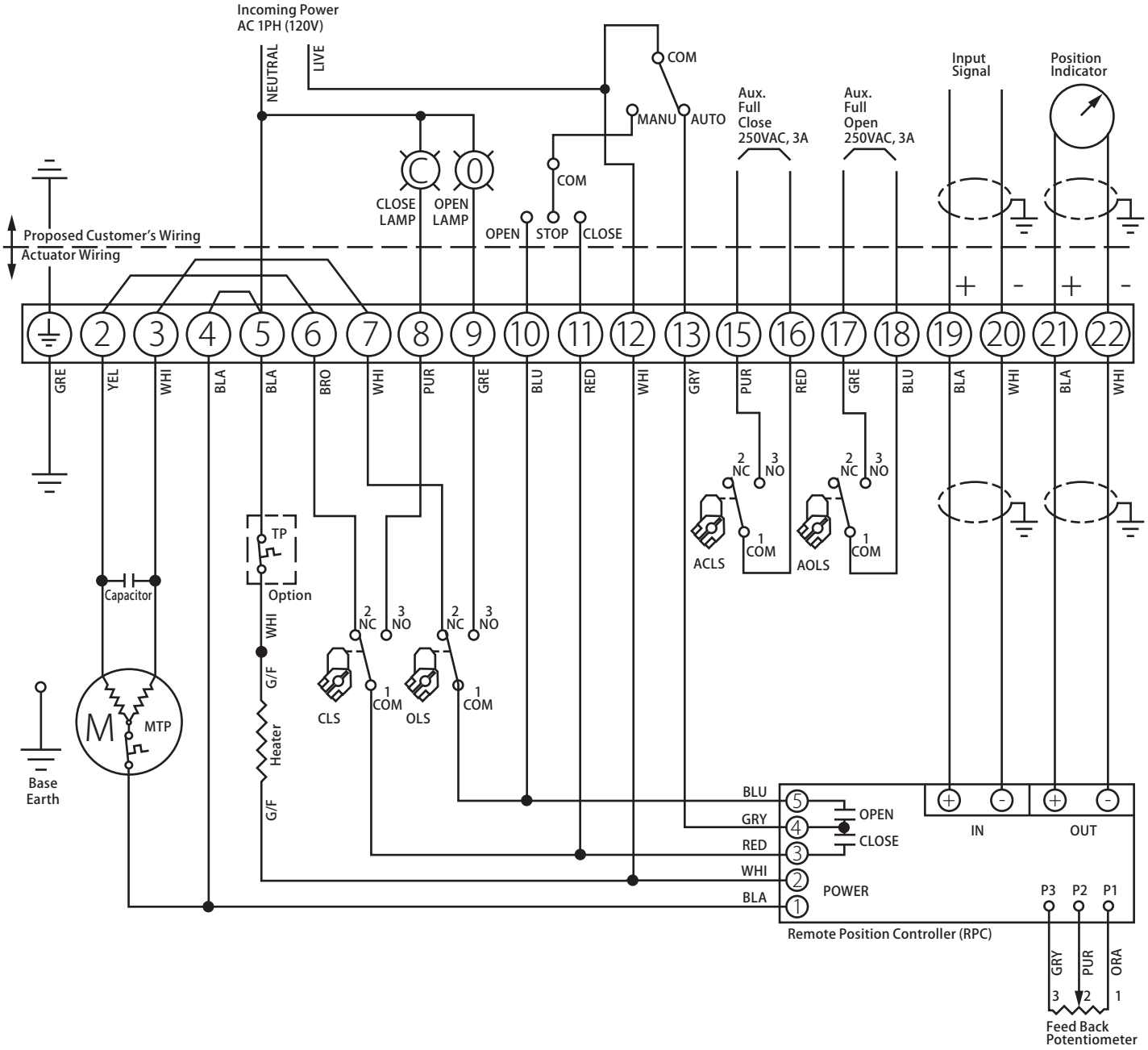
RPC Specifications

Input Signal	4-20mA, 0-210VDC, 2-10VDC, 1-5VDC, 0-5VDC
Output Signal	4-20mA
Potentiometer (Feedback)	1 Kohm
Load Resistance	100 Ohm - 750 Ohm
Input Resistance	250 Ohms
Delay Time Adjustment	1.0 - 8.5 sec
Dead Band Adjustment	0.1 - 4.5%
Resolution	Min 1/1,000

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Wiring Diagram



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