

NIBSCO Automation, Inc.

SmartStep Electric Actuators

400 In-Lbs • 1200 In-Lbs • 2500 In-Lbs



- The actuator is an intelligent actuator designed for precise control of quarter turn valves and dampers.
- It proportionally positions valves to within 0.5 degrees accuracy using a closed loop stepper motor driven technology.
- Robust design that is well suited for 100% modulation and 100% duty cycle.
- Output shaft speed is programmable
- Electronic power backup option will power the actuator to the preprogrammed safe position upon power loss.

NIBSCO Automation, Inc.
S-3865 Taylor Road, Orchard Park, NY 14127

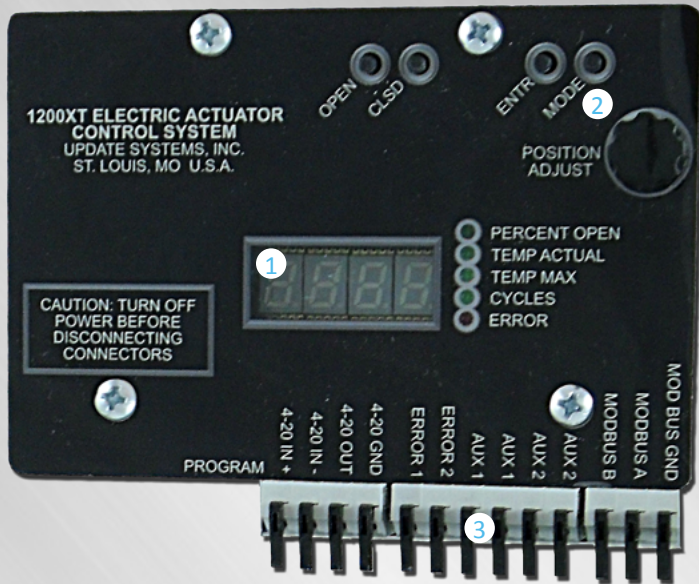
(716) 662-2585 1(800) 828-1036

Fax (716) 662-2580

www.nibsc automation.com

jortman@niabco.com





Standard Operational Features:

- 3 models available: 400, 1200, or 2500 inch/pounds torque
- Easy electronic setup of end points
- Bright LED display can show Actual/Max temperature, Number of cycles, and Percent Open.¹
- 3 Relay outputs for Open Position, Closed Position, or Error Condition
- Maximum temperature is permanently stored in memory
- Safe position/Loss of Signal or Power position programmable
- Speed is programmable
- Clockwise or counter-clockwise programmable direction
- Position feedback uses 4-20mA signal
- UL/CUL & CE Approved
- Buttons/Rotary encoder for easy input²
- Clamping terminal blocks for secure connection³

Standard Functional Features:

- No mechanical switches or contacts to wear out
- Non-contact position sensing increases reliability
- -30 to 60°C Operating Temperature
- Position feedback uses 4-20mA signal
- 100% Continuous Duty Cycle
- 100% Modulation
- .3 Degree Modbus accuracy
- .5 Degree 4-20 mA accuracy
- Enclosure cover with captive screws
- Heavy duty aluminum NEMA4 enclosure
- Robust drivetrain permanently lubricated
- Can exceed 6000 starts per hour



48VDC Models



- 400XTNA
- 1200XTNA
- 2500XTNA
- Heavy duty electric actuator.



- 400XTNA-EPB200
- 1200XTNA-EPB200
- 2500XTNA-EPB200
- Heavy duty electric actuator.
- Integrated electronic backup allowing the actuator to move to its preprogrammed safe position in the event of power loss.

100-240VAC Models



- 400XTNA-PS210
- 1200XTNA-PS210
- 2500XTNA-PS210
- Heavy duty electric actuator with AC power input.



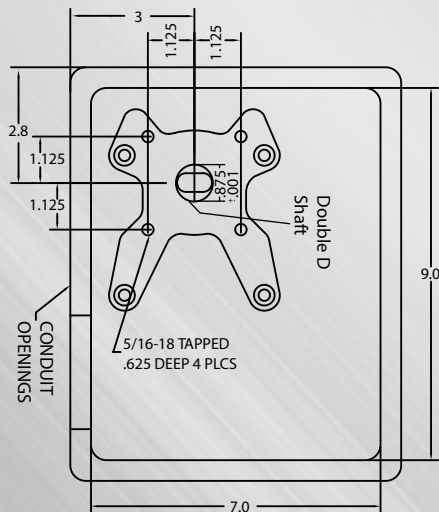
- 400XTNA-EPS220
- 1200XTNA-EPS220
- 2500XTNA-EPS220
- Heavy duty electric actuator with AC power input.
- Integrated electronic backup allowing the actuator to move to its preprogrammed safe position in the event of power loss.

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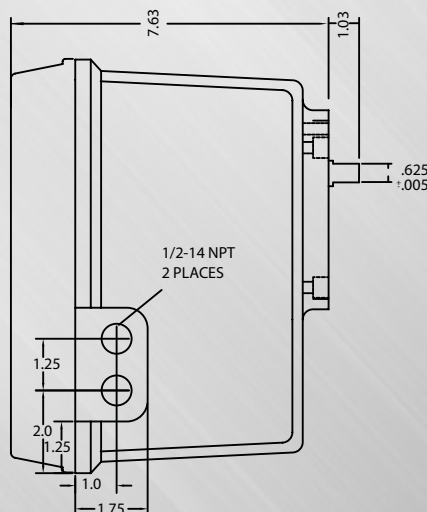
SmartStep Electric Actuators

Model	Torque In-Lbs	Standard Speed To Rotate 90°	Programmable Speed Range
400XT	400	3 Seconds	3 to 10 Seconds
1200XT	1200	7 Seconds	7 to 30 seconds
2500XT	2500	12 Seconds	12 to 54 seconds

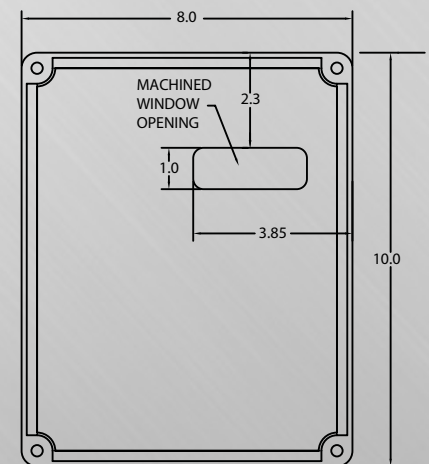
REAR



SIDE



LID FRONT



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