

## Actionator Electric Positioning Motors For Demanding Industrial Control Applications

The Honeywell Actionator® Motor is an industrially rated, high-torque motor, designed for accurate control and precise positioning of control valves, dampers, louvers and butterfly valves. It is the motor of choice for demanding industrial control processes, such as fossil fuel and heating applications.

Key features include a U/L & CSA enclosure rating #4, available torque of up to 25 ft/lbs, two-position control forms (power to open/power to close), current proportioning (4 to 20 mA), and position proportioning. Additionally, Actionator Motors offer a full range of control accessories, feedback slidewires, limit and auxiliary switches, rotary or linear actuation, and a range of operating voltages.

### Process Solution

The Actionator Motor controls a process's final control element (valve, damper, louver), increasing or decreasing/opening or closing in response to the output signal from the process controller. Rotary Actionators are set at the factory for 150 degrees of rotation and are field adjustable. The .5 by .5 inch (12.7 mm x 12.7 mm) square output shaft has a crank arm that connects to a linkage rod/ball joint to position the air damper, louver, vane, or butterfly valve for fuel/air modulation in a combustion burner system.

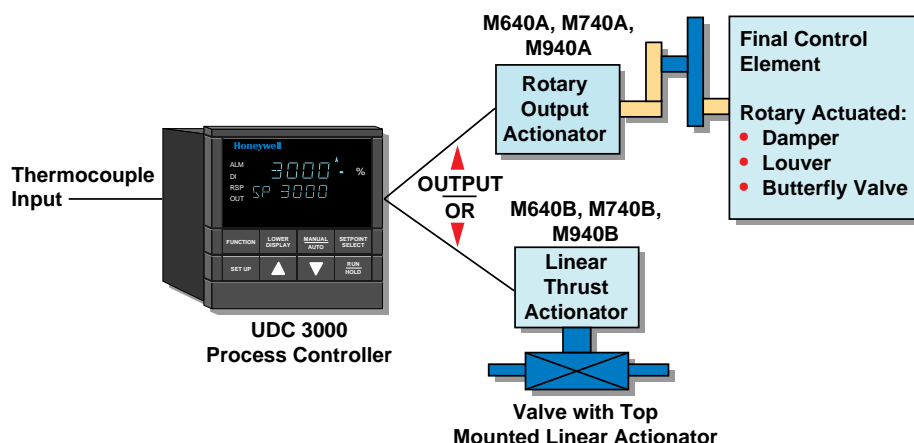
### Main Features

- Heavy-duty construction: U/L and CSA enclosure rating #4, NEMA 3, sealed die-cast aluminum case, "O"-ring-sealed motor shaft
- High torque: up to 25 ft/lbs torque rating
- Ambient temperature rate -20° to 150°F (-29° to 65°C)
- Timing: model-dependent, from 6.25 to 120 seconds
- Rotary or Linear output models
- Control form of two-position ON-OFF, Current- or Position-proportional
- Field-addable auxiliary switches and feedback or retransmitting slidewires
- Wide range of motor repositions
- Motor position locked on power interruption
- Adjustable crank arm included with each motor
- Adjustable end-of-travel and limit switches
- Interfaces with Flame Safeguard motor positioning for high purge rate and low fire start (RM7800E,G,L, RM7840E,G,L, RM7838B)



### Approval Bodies

UL Recognized  
CSA Certified



## Models Available

- M640 for ON-OFF control, SPDT, for use with a two-position controller with maintain contacts
- M740 for current-proportioning control (4 to 20 mA)
- M940 for position-proportioning control (feedback slidewire to the controller)

Models M640A, M740A and M940A provide rotary motion from a .5 by .5 inch (12.7 mm x 12.7 mm) output shaft.

Models M640B, M740B and M940B are linear output devices. These can be used to operate slip-stem valves of the direct-acting, reverse-acting or three-way types using suitable linkage.



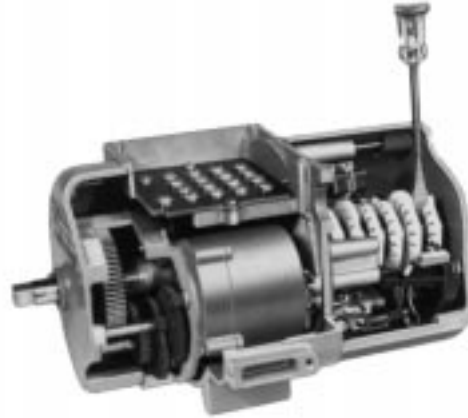
*Actionator Motor mounted on a slip-stem valve.*

Stroke: M740A and M940A provide 150 degrees of rotation, factory-set. M640 is adjustable from 10 to 350 degrees.

Thrust: All 'B' models are adjustable from .25 to 1.5 inches (6.35 mm to 38.1 mm).

## Ordering Information

For more information, contact your Honeywell distributor or sales representative, or call 1-800-288-7491.



*Actionator Motor components cut-away.*

**Honeywell**

### Industrial Automation and Control

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