

# M940B

## Actionator Motors



The M940B positions dampers, butterfly valves, slip stem valves, or any device requiring rotary or linear motion.

It provides position proportional control of valves and other devices. Aluminum alloy housing ensures its ruggedness and compactness.

### Specifications

|                         |                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| Power supply            | 120Vac, 50/60Hz                                                                                                      |
| Power consumption       | 23W 0.20A (at 60Hz)                                                                                                  |
| Ambient temperature     | -29 to +65°C                                                                                                         |
| Ambient humidity        | 40°C, 90%RH                                                                                                          |
| Auxiliary switch rating | 7.4Amp, max. resistive; 120 or 240Vac (on each switch)<br>1/3HP at 120 or 240Vac, 1/2Amp at 120Vdc, 1/4Amp at 240Vdc |
| Motor shaft timing      | 15s 9/16 to 1 inch (1.42 to 2.54cm)<br>30, 60, or 120s 9/16 inch maximum (1.42cm)                                    |
| Weight                  | Approx. 10kg                                                                                                         |
| Housing                 | Aluminum die-cast                                                                                                    |
| Standard accessories    | Crank arm, plug                                                                                                      |
| Mounting                | Valve yoke assembly required                                                                                         |

### Selection Guide

| Model No. | Operation              | Input signal  | Valve stroke adjustable range (mm) | Valve shaft driving force (N-m) | Maximum torque (N-m) | Rotating time (s) at 60Hz | Auxiliary potentiometer |
|-----------|------------------------|---------------|------------------------------------|---------------------------------|----------------------|---------------------------|-------------------------|
| M940B1025 | Position proportioning | Relay contact | 6.4 to 38                          | 13.3                            | 34                   | 60                        | -                       |
| M940B1041 | Position proportioning | Relay contact | 6.4 to 38                          | 13.3                            | 34                   | 60                        | Provided                |

### Valve Yoke Assembly (order separately)

| Model No. | Valve used with |             |         |
|-----------|-----------------|-------------|---------|
|           | V5063A          | V5064A      | V5065A  |
| QN130A    | 1/2 to 3B       | 1 1/2 to 3B | 1 to 3B |
| QN130B    | -               | 4 to 6B     | 4 to 6B |

### Dimensions

(unit:mm)

