

tekmar® Submittal

Actuating Motor 741



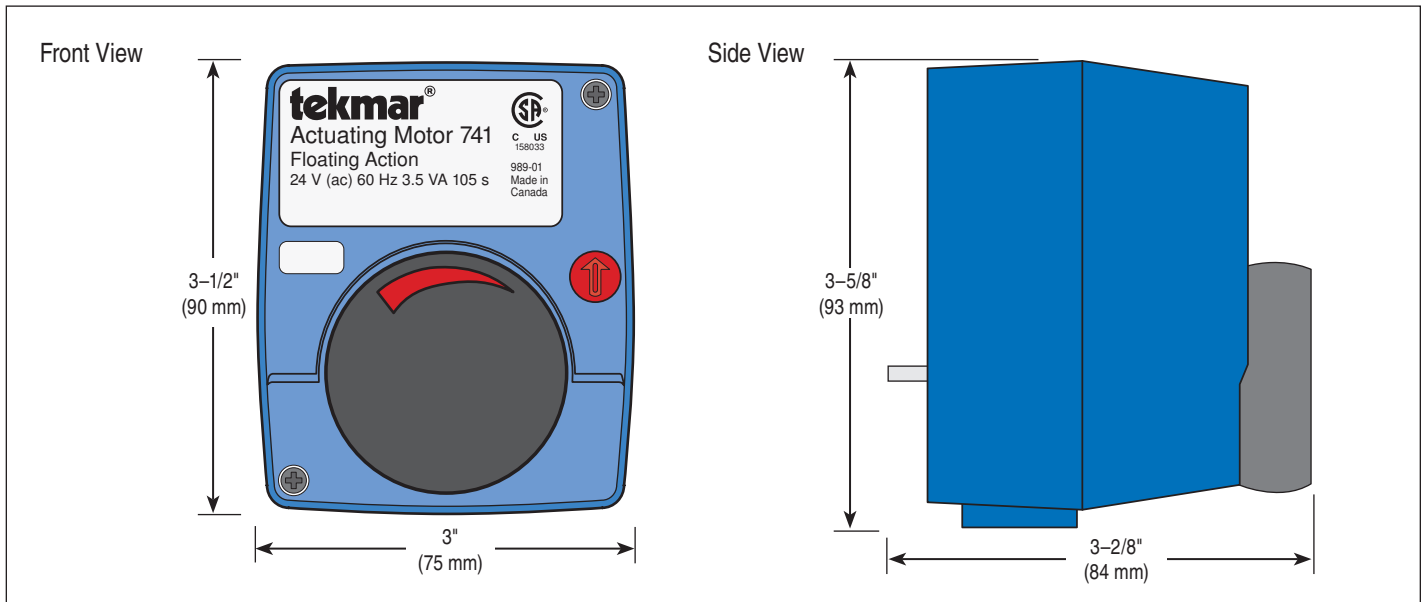
C 741

03/14

Accessories Replaces: 01/11

Job _____ Designer _____ Contact _____

The Actuating Motor 741 is a 24 V floating action actuator designed to operate all tekmar brass mixing valves (710 to 724). It receives a 24 V open or close signal, which causes the motor to open or close the valve. It provides 6 N•m (53 in•lbs) of torque over a 90° rotation. This product rotates its output shaft whenever 24 V (ac) is applied between either the counter clockwise (↺) or clockwise (↻) terminals and the Com terminal. It is compatible with any control having a 24 V (ac) floating output.



Specifications

Actuating Motor 741 Floating Action	
Literature	741_D
Packaged weight	1.2 lb. (520 g)
Dimensions	3-1/2" H x 3" W x 3-1/2" D (90 x 75 x 90 mm)
Approvals	CSA C US
Ambient conditions	Indoor use only, -4 to 122°F (-20 to 50°C), RH ≤92% to 104°F (40°C), and 50% above 104°F (40°C), Altitude <9840 ft. (3000 m), Installation Category I, Pollution Degree 2
Power supply	24 V (ac) ±10%, 60 Hz, 1.5VA
Control signal	24 V (ac), floating action
Angle of rotation	Electrically limited to 90° shaft rotation
Run Time	105 seconds at 60 Hz
Maximum torque	6 N•m (53 in•lbs)
Warranty	Limited 3 Year (See 741_D for full warranty)

Features

- 6 N•m (53 in•lbs) of torque
- Electrically limited to 90° shaft rotation
- 105 second open or close time at 60 Hz

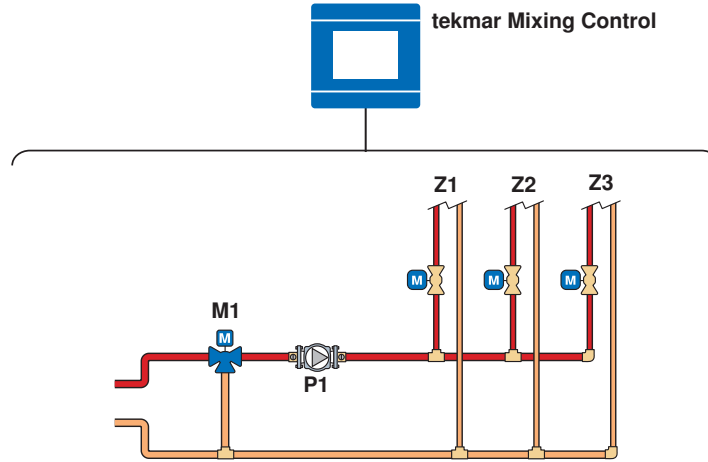
SPECIAL REQUIREMENTS

N / A

Sample Application Drawing

Below is a sample application drawing for this product. This application may include other tekmar products that are required for installation. More sample applications can be found at www.tekmarControls.com.

Sample Mechanical diagram



Sample Electrical diagram

Legend:

- P1 = Mix system pump
- M1 = Actuator 741
- Z1 = Zone 1
- Z2 = Zone 2
- Z3 = Zone 3

