

tekmar® Submittal

Actuating Motor 742



Accessories

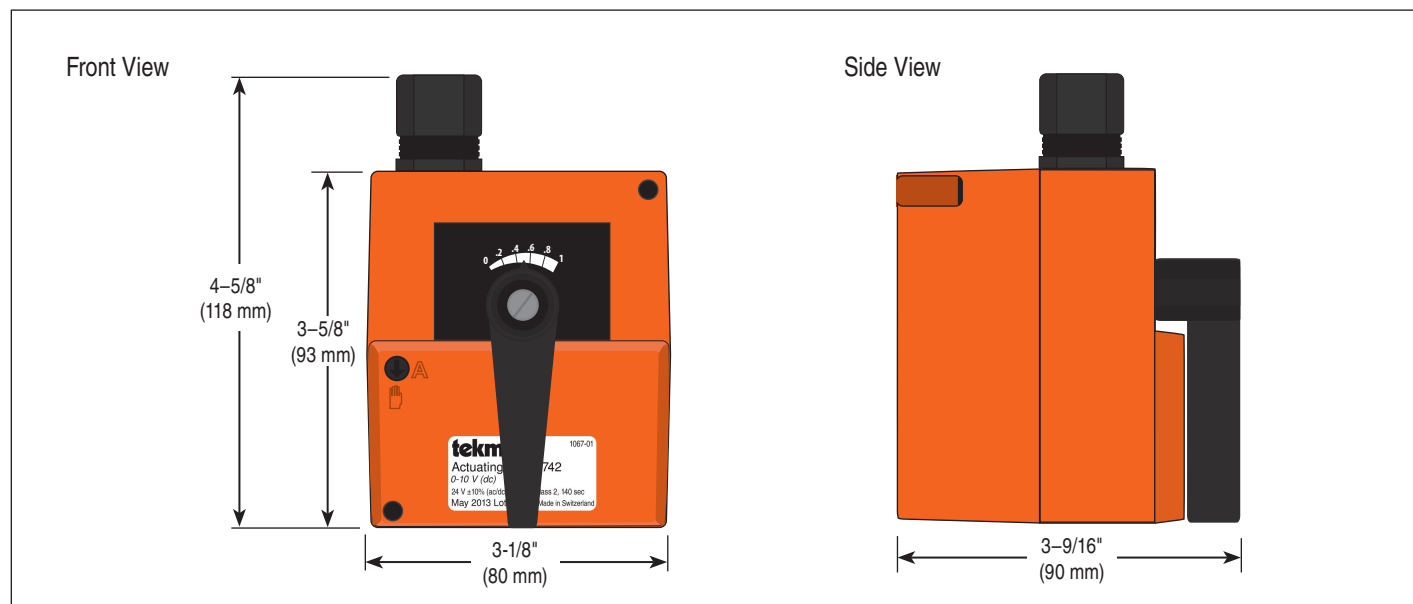
742_C

10/13

Replaces: 08/13

Job _____ Designer _____ Contact _____

The Actuating Motor 742 uses a 0-10 or 2-10 V (dc) signal to adjust the position of a mixing valve. It is compatible with tekmar brass mixing valves 710 to 724. It provides 88 in•lbs (10 N•m) of torque over a 90° rotation. The rotation direction is selected by a toggle switch.



Specifications

Actuating Motor 742 0-10 V (dc)	
Literature	742_C, 742_D
Packaged weight	1.1 lbs (500 g)
Dimensions	3-5/8" H x 3-1/8" W x 3-9/16" D (93 x 80 x 90 mm)
Enclosure	Polycarbonate plastic, NEMA type 1
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), 95% RH non-condensing
Power supply	24 V ± 10% (ac/dc), 2.5 VA, Class 2
Control signal input	0-10 V (dc) or 2-10 V (dc), selected by switch setting, 100 kΩ maximum input impedance
Position signal output	0-10 V (dc) or 2-10 V (dc), follows switch setting, 3 kΩ maximum load impedance
Angle of rotation	Electrically limited to 90° shaft rotation, clockwise or counterclockwise direction selected by switch setting
Motor speed	140 seconds
Rated torque	88 in•lbs (10 N•m)
Warranty	Limited 3 Year (See 742_D for full warranty)

Additional Features

- Manual override dial
- Reversible scale plate



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