

Modutrol IV Motor

M6184; M6194



Series 61 Modutrol IV™ Motors non-spring return floating control motors used with controllers that provide a switched SPDT or floating output to operate dampers or valves.

FEATURES

- Integral junction box provides NEMA 3 weather protection if motor is mounted in the upright position.
- Motor and circuitry operate from 24 Vac.
- Quick-connect terminals are standard--screw terminal adapter is available.
- Adapter bracket for matching shaft height of older motors is available.
- Motors have field adjustable stroke (90 to 160 degrees).
- Integral auxiliary switches are available factory mounted, or can be field added.
- All models have dual shafts (slotted and tapped on both ends).
- All models have auxiliary switch cams.
- Fixed torque throughout the entire voltage range.
- Motors are designed for either normally open or normally closed valves and dampers.

SPECIFICATIONS

Application Type	Damper; Valve
Fail Safe Mode	Non-Spring Return
Control Signal	Floating
Torque/Force	75 lb-in. (8.5 Nm) or 150 lb-in. (17 Nm) or 300 lb-in. (34 Nm)
External Auxiliary Switches Available ..	Yes
Auxiliary Switch Ratings	
AFL - 120 Vac	7.2A
Auxiliary Switch Ratings	
ALR - 120 Vac	43.2A
Auxiliary Switch Ratings	
AFL - 240 Vac	3.6A
Auxiliary Switch Ratings	
ALR - 240 Vac	21.6A
Feedback	No
Electrical Connections	Quick-connect terminals
Frequency	50 Hz, 60 Hz
Mounting	Foot-mounted
Motor Shafts	Dual-ended shaft
Shaft Shape	Square
Shaft Dimensions	0.375 in. (10 mm)
Deadweight Load on Shaft (Either End)	200 lb.
Deadweight Load (Combined on both Shafts)	300 lb.
Ambient Temperature Range	-40 F to 150 F (-40 C to 60 C)
Weight	6.5 lb

APPROVALS

Canadian Standards Association	Certified: File No. LR1620, Guide No. 400-E
CE	EN55011 (Emission) EN50082- 2 (Immunity) 73/23/EEC (LVD)
Underwriters Laboratories, Inc.	Listed File: E4436, Guide: XAPX2

ACCESSORIES

- Q7230A1005—Interface module, provides adjustable zero & span, voltage or current control
- 220736A—Internal Auxiliary Switch Assembly - 1 Switch
- 220736B—Internal Auxiliary Switch Assembly - 2 Switches
- 50017460-001—24/120/230 Vac Internal Transformers for Series 2 Motors
- 50017460-003—120 Vac Internal Transformers for Series 2 Motors
- 4074ERU—Weatherproofing kit. Protects motor from driving rain when mounted in any position
- 221455A—Infinitely adjustable Motor Crank Arm

DIMENSIONS DIAGRAM

