

Modutrol IV Motors

M6184; M6194 Floating Modutrol IV™ Series 2 Motors



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

- Integral junction box provides NEMA 3 weather protection.
- 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° - 160°).
- 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.

Application Type: Electric

Fail Safe Mode: Non-Spring Return

Control Signal: Floating

External Auxiliary Switches Available: Yes

Auxiliary Switch Ratings AFL - 120 Vac: 7.2 A

Auxiliary Switch Ratings ALR - 120 Vac: 43.2A

Auxiliary Switch Ratings AFL - 240 Vac: 3.6 A

Auxiliary Switch Ratings ALR - 240 Vac: 21.6 A

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)

Shaft Rotation (upon control signal increase): Dependent on wiring (normally closed)

Deadweight Load on Shaft (Either End): 200 lbs.

Deadweight Load (Combined on both Shafts): 300 lbs.

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)

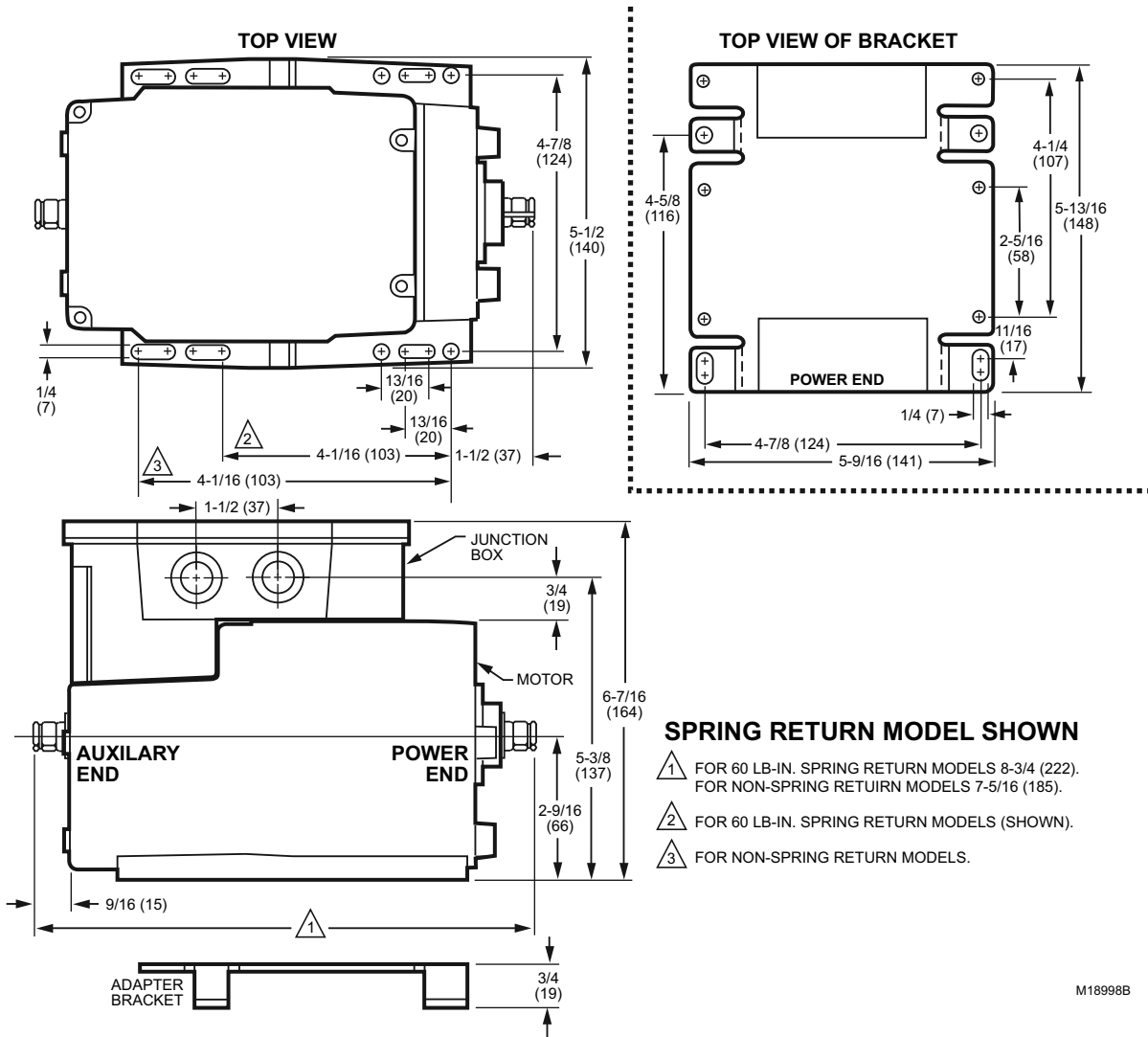
Underwriters Laboratories Inc. Listed File: E4436, Guide: XAPX2

Product Number	Torque/Force		Voltage	Timing (seconds)	Internal Auxiliary Switch	Stroke	Includes	Comments
	(lb-in., lb)	(Nm, N)		Nominal				
M6184A1015	150 lb-in.	17 Nm	24V	30-60 sec	0	Adjustable; 90° to 160°, Symmetrical	—	—
M6184A1023	75 lb-in.	8.5 Nm	120V	15-30 sec	0	Adjustable; 90° to 160°, Asymmetrical	Transformer	—
M6184D1001	75 lb-in.	8.5 Nm	24V	15-30 sec	0	Adjustable; 90° to 160°, Symmetrical	—	—
* M6184D1035	150 lb-in.	17 Nm	24V	30-60 sec	0	Adjustable; 90° to 160°, Symmetrical	—	—
M6184D1068	150 lb-in.	17 Nm	24V	120-240 sec	0	Adjustable; 90° to 160°, Symmetrical	—	Contains on-off pulsing circuitry to achieve timing.
M6184F1014	150 lb-in.	17 Nm	24V	30-60 sec	2	Adjustable; 90° to 160°, Symmetrical	—	—
M6194B1011	300 lb-in.	34 Nm	24V	60-120 sec	1	Adjustable; 90° to 160°, Symmetrical	—	—
* M6194D1017	300 lb-in.	34 Nm	24V	120-240 sec	0	Adjustable; 90° to 160°, Symmetrical	—	—
M6194E1006	300 lb-in.	34 Nm	24V	120-240 sec	1	Adjustable; 90° to 160°, Symmetrical	—	—

* TRADELINE models • SUPER TRADELINE models

Modutrol IV Motors

Dimensions in inches (millimeters)



SPRING RETURN MODEL SHOWN

- 1 FOR 60 LB-IN. SPRING RETURN MODELS 8-3/4 (222).
FOR NON-SPRING RETURN MODELS 7-5/16 (185).
- 2 FOR 60 LB-IN. SPRING RETURN MODELS (SHOWN).
- 3 FOR NON-SPRING RETURN MODELS.

M18998B