

Cross Reference Format

Information contained in individual rows refer to the motor listed in the OS # to be Replaced column unless otherwise noted in the Comments column. Following is an example of the format used in this section and explanations of each column.

OS # to be Replaced	Modutrol IV TRADELINE Replacement Specifications					Original Motor Specifications									Functional Replacement	TRADELINE Comments
	Model Number	Required Transformer	Required Aux. Switch	Required Accessories	Stroke Setting	Aux. Switch Setting	Voltage (Vac)	Torque (lb-in.)	Stroke (degrees)	Timing (sec)	Aux Sw	Motor Shafts	Adapt Brack	Control Signal		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

1. Lists the original motor to be replaced.
2. Lists the Modutrol IV TRADELINE Replacement Motor. This TRADELINE motor may require configuration with the accessories listed in columns 3 through 8.
3. Specifies which internal mount transformer, if any, is required to match the original motor voltage. The transformer choices are:
 - a. 198162AA – 120/208/240 Vac, 50/60 Hz (multi-tap).
 - b. 198162EA – 120 Vac, 50/60 Hz.
 - c. 198162GA – 220 Vac, 50/60 Hz.
 - d. 198162JA – 24 Vac, 50/60 Hz (isolation).
4. Specifies which field-addable auxiliary switch, if any, is required to match the original motor. The switch kit choices are:
 - a. 220736A – one spdt switch and mounting bracket.
 - b. 220736B – two spdt switches and mounting bracket.
5. Specifies which accessory parts or devices, if any, are required to complete the replacement. Items include Weatherproofing Kits, Minimum Position Potentiometers, and linkages. Check the original application to ensure that you account for all modifications of the original motor.
6. Specified stroke setting of the Modutrol IV TRADELINE Motor. 12 of the 14 TRADELINE models have adjustable stroke. The remaining two (M6285A) are fixed stroke. “ADJ” listed here indicates the original motor also had adjustable stroke. Check the application to duplicate the original stroke requirements.
7. Specifies the original motor auxiliary switch setting that was factory set. Check the application to make sure that the original factory stroke setting was not changed in the field. Motors shipped with specific stroke settings have adjustable auxiliary switches, and there is possibility that the original setting was changed.
8. Lists the voltage of the original motor.
9. Lists the torque rating of the original motor.
10. Lists the full stroke rotation of the original motor (closed to open) in angular degrees. Two values with a “-” indicate a range of adjustment available in the field.
11. Lists the timing of the original motor. If two or adjustable stroke is listed in column 10, the time refers to a 160 degree stroke.
12. Lists the number of auxiliary switches, if any in the original motor.
13. Lists number of motor shafts on the original motor. Choices are 1 or 2. All motors have the power end shaft, when listed as 1, the auxiliary end shaft of the original motor is not present.
14. Indicates that a 220738A Adapter Bracket is shipped with the Modutrol IV Motor. Reflects presence as of 1999 date codes. If the original motor used the adapter bracket, it may be reused with the replacement motor. If required for replacement of Modutrol I, II, III or competitive Motors, it must be ordered separately.
15. Lists the control signal of the motor. The listing can specify either an actual value of signal input, or a “Series” designation. Please refer to the Application Notes section in this manual.
16. Lists the functional Modutrol IV Motor replacement. In some cases, the replacement will have additional features not found in the original motor. This column may also specify “+” and an accessory. This indicates a minor addition to the functional replacement will provide the functionality required in the application.
17. Comments listed in this column provide additional information to consider when replacing the original motor. Consider differences carefully prior to installation of the Modutrol IV TRADELINE Motor.