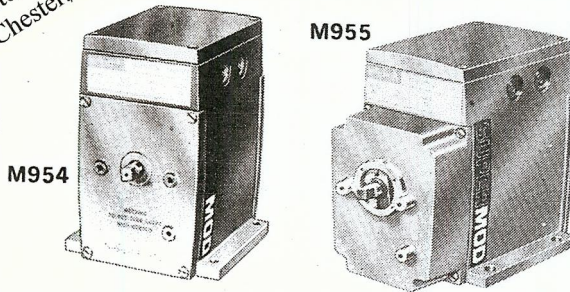


OBSOLETE
Your unit can be rebuilt.
Send to EPRI
207 Carter Drive Unit C
West Chester, PA 19382

motors and valves

M954A,D; M955A,C SUPER MODUTROL MOTORS



THESE SOLID STATE SUPER MOD MOTORS WITH HYBRID DRIVE CIRCUIT REPLACE MORE THAN 220 HONEYWELL AND COMPETITIVE MOTORS. THEY USE STANDARD MODUTROL MOTOR ACCESSORIES AND ARE IDENTICAL IN OUTPUT TO STANDARD MODUTROL MOTORS.

Refer to the order table for application. Hybrid drive circuit is insensitive to vibration. Each SUPER TRADELINE pack includes a 4074BYK Bag Assembly containing resistors that allow one series 90 Controller to drive up to 6 Super Mod motors. Mounting: Motor must be mounted with motor shaft in horizontal position.

ELECTRICAL RATINGS:

Power Consumption: M954A,D—18 watts, 23 VA;
M955A,C—27 watts, 32 VA.

Voltage and Frequency: 24V ac, 50/60 Hz.

Current Draw: M954A,D—0.95 amp; M955A,C—1.33 amp.

Auxiliary Switch Ratings (amperes):

	120V		240V		277V
	M954D ^a	M955C ^b	M954D ^a	M955C ^b	M954D ^a
Full Load	5.8	7.2	2.9	3.6	—
Locked Rotor	34.8	43.2	17.4	21.6	—
Resistive	11.0	—	11.0	—	11.0

^a Auxiliary switch ratings apply to either N.O. or N.C. contacts, providing the load is selective (one contact)—not simultaneous ratings. Both N.O. and N.C. contacts may be used, but then one contact must be limited to 50 VA.

^b One contact; 40 VA pilot duty, 120/240V ac on opposite contact.

ACCESSORIES:

See PARTS AND ACCESSORIES, pages 283-296.

●SUPER TRADELINE models.

ORDER NUMBER	APPLICATION	OPERATING TORQUE		BREAK-AWAY TORQUE		AUX. SWITCH	TIMING (SEC)	MOTOR ACTION ON POWER LOSS	DEAD WEIGHT LOAD ON SHAFT	AMBIENT TEMP. RATINGS	
		lb.-in.	N-m	lb.-in.	N-m					MIN.	MAX.
●M954A1035	Nonspring-return dual stroke motors. Field-selectable 90 or 160 degree stroke. Replaces most non-spring return, modulating series 90 or 2-position series 60 motors, or use with W973 Singlezone Logic Panel. Crankshaft tapped for 8-32 UNC screw.	150	17.0	300 ^b	34.0 ^b	—	35 or 60 ^c	None	200 lb. [90.7 kg] at power end; 100 lb. [45.4 kg] at auxiliary end.	-40 F [-40 C]	125 F [52 C]
●M954D1016						2					
●M955A1024	Spring-return adjustable stroke motors allow selection of motor stroke from 90 to 160 degrees. Replaces modulating series 90, or 2-position series 40 or series 80 motors; or use with W973 Singlezone Logic Panel.	50 ^a	5.7 ^a	200 ^b	22.6 ^b	—	35 to 60 ^d	Closes	200 lb. [90.7 kg] at power end; 10 lb. [4.5 kg] at auxiliary end.	15 F [-9 C]	125 F [52 C]
●M955C1014						1					

^a This torque may be divided between the two end shafts, provided that no more than 25 pound-inches [2.8 N-m] is applied to the auxiliary end.

^b Max. driving torque available to overcome occasional large loads such as a seized damper or valve, MUST NOT BE USED CONTINUOUSLY AT THIS RATING.

^c 35 seconds nominal for 90 degree stroke; 60 seconds nominal for 160 degree stroke.

^d Stroke is adjustable from 90 to 160 degrees. Timing is proportional to stroke, 60 seconds for 160 degree stroke.

TRADELINE