

220741A Screw Terminal Adapter Kit

INSTALLATION INSTRUCTIONS

APPLICATION

The screw terminal adapter plugs onto the quick-connect terminals of a Modutrol IV motor. Different terminal labels accommodate the various Modutrol IV motors (see Table 1).

Before installing, adjust motor stroke and set auxiliary switches, if needed.

INSTALLATION

When Installing This Product...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.

⚠ WARNING

Electrical Shock Hazard.
Can cause severe injury, death or property damage.

Disconnect the power supply before making wiring connections to prevent electrical shock and equipment damage. All wiring must comply with applicable electrical codes, ordinances, and regulations.

To install the screw terminal adapter, refer to Fig. 1 and 2 and perform the following steps in sequence.

1. Remove 4 cover screws and remove top cover from the wiring box. Remove appropriate conduit plug from wiring box.
2. Select appropriate terminal label and attach to screw terminal adapter. See Table 1 and Fig. 2.
3. If replacing an existing motor, note wire connections before disconnecting wires.
4. Position screw terminal adapter over quick connect terminals and push down into place.

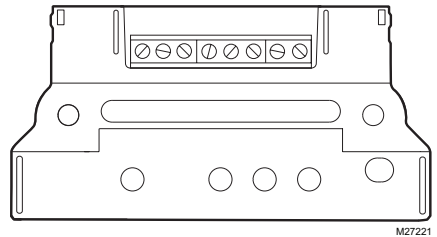


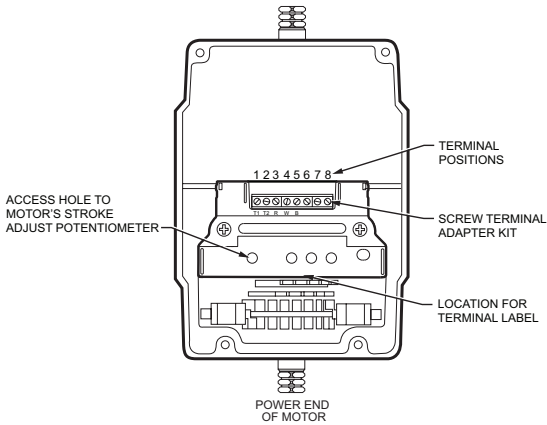
Fig. 1. Screw terminal adapter for Modutrol IV motors.

IMPORTANT

If motor has an internal transformer, quick-connect terminals need to be cut off from the ends of the transformer's 24V secondary lead wires (brown). These leadwire ends then need to be prepared for connection to screw terminals. Strip 1/4-in. insulation off ends and tin wire with solder or crimp on 1/4-in. lug.

5. Connect field wiring to appropriate screw terminals.
6. Replace cover and 4 cover screws.
7. Check operation of motor.





M27216

Fig. 2. Location of terminal positions.

Table 1. Terminal Label Selection Chart.

Label	Motor Models		Terminal Designation—by Location							
			1	2	3	4	5	6	7	8
A	M4185 M8185	M4186 M8186	T ₁	T ₂						
B	M6184	M6194	T ₁	T ₂	R	W	B			
C	M6284 M6285	M6294 M6286	3	4	R ¹	1	2	T	G	Y
D	M7164 M7185	M7184 M7186	T ₁	T ₂		R(-)		C(+)	F	
E	M7284 M7285		T ₁	T ₂	—				F	+
F	M7364 M7384 M7385		T ₁	T ₂	1	4		2		3
G	M7675 M7685		T ₁	T ₂	4	R(-)		C(+)	2	3
H	M9164 M9175 M9184 M9185 M9484	M9174 M9176 M9194 M9186 M9494	T ₁	T ₂	R			B		W
J	M9186G		T ₁	T ₂	R			W		B

¹ Terminal "R" included only on M6284, M6285, and M6294 models shipped with an internal transformer.

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