

## 220741A Screw Terminal Adapter Kit

### INSTALLATION INSTRUCTIONS

### APPLICATION

The screw terminal adapter plugs onto the quick-connect terminals of a Modutrol IV motor.

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.

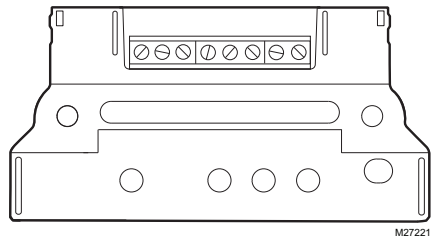
### WARNING

**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. If replacing an existing motor, note wire connections before disconnecting wires.
3. Position screw terminal adapter over quick connect terminals and push down into place. (Cover holds module in place; no screws required.)



**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.*

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



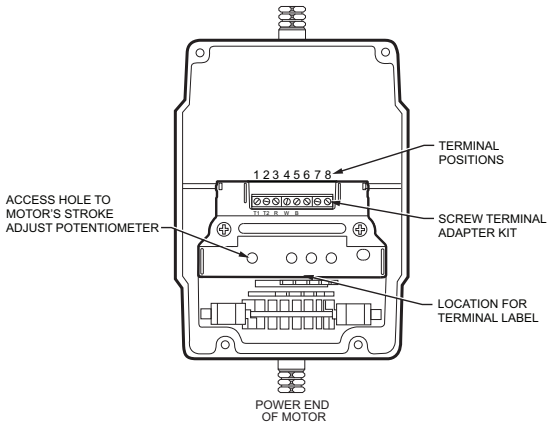


Fig. 2. Location of terminal positions.

Table 1. Terminal Label Selection Chart.

Adapter Number	Motor Models		Terminal Designation—by Location								
			1	2	3	4	5	6	7	8	
220741A2-TP	M4185	M8185	T <sub>1</sub>	T <sub>2</sub>							
220741A2-61	M6184	M6194	T <sub>1</sub>	T <sub>2</sub>	R	W	B				
220741A2-62	M6284 M6285	M6294	3	4	R <sup>1</sup>	1	2	T	G	Y	
220741A2-71	M7164		T <sub>1</sub>	T <sub>2</sub>		R(-)		C(+)	F		
220741A2-72	M7284	M7285	T <sub>1</sub>	T <sub>2</sub>	—				F	+	
220741A2-90	M9164 M9175 M9184 M9185	M9174 M9194 M9484 M9494	T <sub>1</sub>	T <sub>2</sub>	R			B			W

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

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