Honeywell

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.)

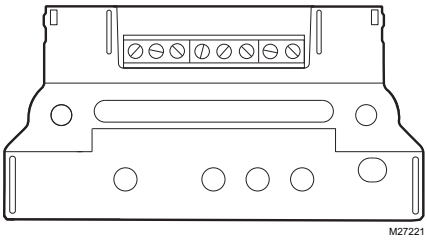

Fig. 1. Screw terminal adapter for Modutrol IV motors.

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.

63-2234-02

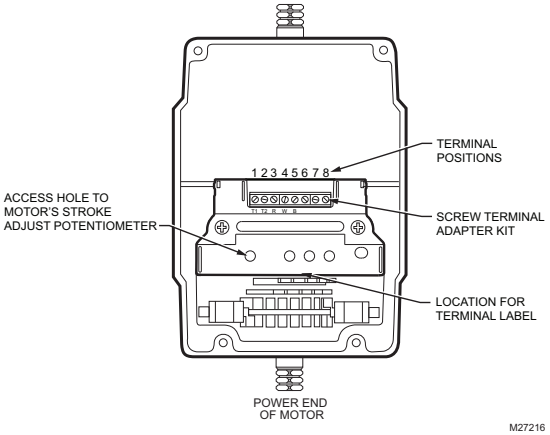

Fig. 2. Location of terminal positions.

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_1	T_2						
220741A2-61	M6184 M6194	T_1	T_2	R	W	B			
220741A2-62	M6284 M6294 M6285	3	4	R[1]	1	2	T	G	Y
220741A2-71	M7164	T_1	T_2		R(-)		C(+)	F	
220741A2-72	M7284 M7285	T_1	T_2	—				F	+
220741A2-90	M9164 M9174 M9175 M9194 M9184 M9484 M9185 M9494	T_1	T_2	R			B		W

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

By using this Honeywell literature, you agree that Honeywell will have no liability for any damages arising out of your use or modification to, the literature. You will defend and indemnify Honeywell, its affiliates and subsidiaries, from and against any liability, cost, or damages, including attorneys' fees, arising out of, or resulting from, any modification to the literature by you.

Automation and Control Solutions

Honeywell International Inc.
1985 Douglas Drive North
Golden Valley, MN 55422
customer.honeywell.com

Honeywell Limited-Honeywell Limitée
35 Dynamic Drive
Toronto, Ontario M1V 4Z9

Honeywell

® U.S. Registered Trademark
© 2009 Honeywell International Inc.
63-2234—02 M.S. Rev. 03-09

Printed in U.S.A. on recycled paper containing at least 10% post-consumer paper fibers.