

# Internally Mounted Module IV™ Motor Transformer Kits

SERIES 2—50017460-001, 50017460-003

## INSTALLATION INSTRUCTIONS



## APPLICATION

The 50017460-001, -003 transformer kits are used to convert line voltage to 24 Vac to power Honeywell Modutrol IV Series 2 motors. The 50017460-001 kit provides 24 Vac isolation, mainly for M734 and M934 replacement motors. See Table 1. Color-coded taps on the transformer primary leads permit selection of 24 Vac, 120 Vac, or 230 Vac to match the power supply. Table 2. Each assembly includes a transformer and 2 transformer mounting screws. The barrier strip in the motor's wiring box separates line voltage wiring from low voltage wiring.

Table 1.

Transformer	Primary Voltage
50017460-001	24/120/230 Vac
50017460-003	120 Vac

Table 2.

Primary 50017460-001 Color Code	
Lead Color	Primary Voltage
Brown	24 Vac
White	120 Vac
Blue	230 Vac
Black	Common

All transformers have brown secondary (24Vac) wires.

Table 3.

50017460-001/U Transformer Kit includes	
50004263-001	24/120/230 to 24VAC transformer
4074ERN	Bag Containing 2 Screws
62-0233	Instruction Sheet
32004710-022	Modification Label

50017460-003/U Transformer Kit includes	
50004263-003	120 to 24VAC Transformer
4074ERN	Bag Containing 2 Screws
62-0233	Instruction Sheet
32004710-023	Modification Label



# INSTALLATION

## When Installing this Product?

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



### CAUTION

**Disconnect power supply before making wiring connections to prevent electrical shock or equipment damage.**

To install transformer, refer to Fig. 1 and perform the following steps in sequence.

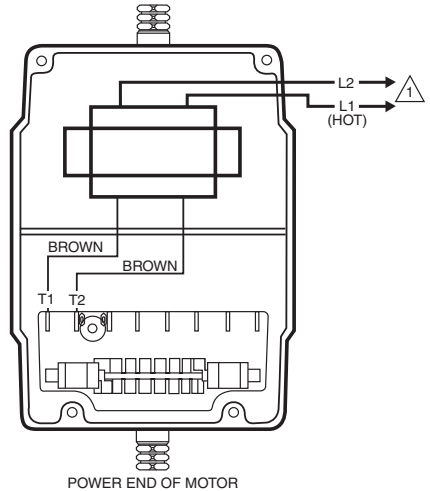
1. Disconnect power supply before making wiring connections to prevent electrical shock or equipment damage.

### IMPORTANT

*All wiring must comply with local electrical codes and ordinances.*

2. Remove wiring box cover screws and remove cover.
3. Place transformer in motor with plastic cover facing up and low voltage secondary (brown) leads toward motor terminals. Secure transformer with the 2 screws provided.
4. Connect brown transformer leads to T1 and T2 on motor terminal strip.
5. Connect power supply to proper primary leads on primary side of barrier, using wire nuts. See primary voltage color code in Tables 1 and 2.

6. Connect controller leads to proper motor terminals (see motor specifications for wiring diagrams).
7. Replace wiring box cover and secure with 4 cover screws.
8. Connect power supply and check that motor operates properly.



POWER SUPPLY. PROVIDE DISCONNECT MEANS AND OVERLOAD PROTECTION AS REQUIRED. M13701A

**Fig. 1. Mounting 50017460 transformer in Modutrol IV Series 2 Motor.**

If questions arise regarding installation, operation or checkout of this product, contact your local distributor or Honeywell representative.

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