

APPLICATION

The AT87A and AT140D Transformers are used in 24 Vac nominal control circuits. They meet the National Electrical Code Class 2 not wet and Class 3 wet requirements. AT87A is Underwriters Laboratories Inc. listed and AT140D

is UL Component Recognized under UL 1585. Both are mounted using a 4 x 4 inch mounting plate (provided). Other specifications are listed in Table 1.

TABLE 1—AT87A AND AT140D SPECIFICATION

MODEL NUMBER	PRIMARY		VOLTAGE OPEN CIRCUIT	SECONDARY		OUTPUT RATING AT 100 PERCENT POWER FACTOR
	INPUT VOLTAGE	WIRING CONNECTIONS		AT RATED POWER OUTPUT	WIRING CONNECTIONS	
AT87A	120/240 V, 50/60 Hz	9 inch leads [229 mm]	27 V	24 V	2 screw terminals	50 VA
AT140D	120/240 V, 60 Hz	9 inch leads [229 mm]	27 V	24 V	2 screw terminals	40 VA

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 these instructions and on the product to ensure the product is suitable for your application.
3. Ensure the installer is a trained, experienced service technician.
4. After completing installation, use these instructions to check product operation.

WIRING THE AT87A AND AT140D

All wiring must comply with local codes and ordinances. Disconnect power before making wiring connections to prevent electrical shock or equipment damage.

1. Connect primary leadwires to line voltage power supply. Use the correct leads for the available power supply. Refer to Fig. 1.
2. Insulate the ends of unused leads by taping or capping with a solderless connector.
3. Connect secondary screw terminals to 24 Vac control circuit.

CAUTION

Disconnect power supply before beginning installation to prevent shock or equipment damage.

MOUNTING

The mounting plate may be mounted on a 4 x 4 inch outlet box, 2 x 4 inch outlet box, or on a 4 inch octagonal box.

1. Align the mounting plate with the outlet box to determine the proper mounting holes. The secondary terminals will be outside the box.
2. Remove the mounting hole knockouts, if necessary.
3. Mount the plate on the outlet box using two screws.

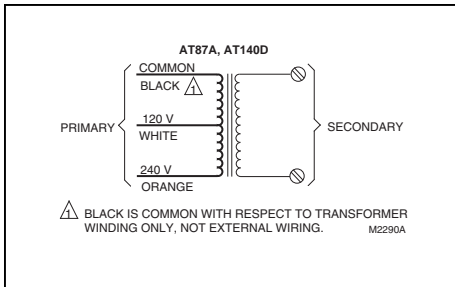


Fig. 1—AT87A and AT140D schematic drawing.

CHECKOUT

After installation is complete, turn on power supply. Place the controlled equipment in operation and observe through at least one complete cycle. Ensure controlled equipment operates as intended.