

Transformer Replacement

Note

The procedure for Ceiling mounted models begins on page 1. For Mobile models, go to page 3. For Wall mounted models, go to page 6.

Applies to:

354 Lights (ceiling / mobile / wall models) **355 Lights** (ceiling / mobile / wall models) **354 / 355 Combo Lights**

Special Tools:

multimeter

Language of origin: English

Ceiling models:

Note

In some installations, it may be necessary to remove the down tube in order to access the junction box.



TP200 Rev. A

WARNING

Disconnect power to the light before performing the following procedure. Failure to comply may result in electric shock.

Step 1: Remove Transformer.

- A) Loosen four screws / remove junction box cover.
- B) Tag / disconnect all transformer wiring.
- C) Remove two screws and transformer.

Step 2: Install Transformer.

- A) Position transformer, secure with two screws.
- B) Connect blue and brown transformer wires as shown.
- C) Feed remaining transformer wires thru bushing.
- D) Connect yellow, orange, and red wires to appropriately marked terminals on terminal block*.
- E) Connect black wire to fuse holder.
- *Note: Early models do not have a terminal block. The input wire being used will be connected to the neutral wire with a wire nut. The procedure is similar.



Ceiling models - continued:



WARNING

The following step requires power to be connected. Use caution when performing this step. Failure to comply may result in electric shock.

Step 3: Measure input voltage.

- A) Use a multimeter to measure the input voltage to the light.
- B) Record this reading.



TP200 Rev. A

WARNING

Disconnect power to the light before performing the following procedure. Failure to comply may result in electric shock.

Step 4: Select proper input terminal.

- A) Connect the WHITE "neutral" wire from the facility wiring to the appropriate terminal. Refer to the chart on this page.
- *Note: Early models do not have a terminal block. The input wire being used will be connected to the neutral wire with a wire nut. The procedure is similar.

Step 5: Install junction box cover.

N1 terminals MA8577i

120V Ceiling Mtd. Lights		
Input Voltage:	Single Lights Use Terminal Labeled:	Double / Combo Lights Use Terminal Labeled:
<u>≤</u> 117.0 VAC	N1 / 114V	N1 / 114V or N2 / 114V**
117.1 to 123.0 VAC	N1 / 120V	N1 / 120V or N2 / 120V**
<u>≥</u> 123.1 VAC	N1 / 126V	N1 / 126V or N2 / 126V**
** White jumper wire <u>must</u> be connected to both N1 & N2 terminals.		

220V Ceiling Mtd. Lights		
Input Voltage:	Single Lights Use Terminal Labeled:	Double / Combo Lights Use Terminal Labeled:
≤ 225 VAC	N1 / 220V	N1 / 220V <i>or</i> N2 / 220V**
225.1 to 235.0 VAC	N1 / 230V	N1 / 230V <i>or</i> N2 / 230V**
<u>></u> 235.1 VAC	N1 / 240V	N1 / 240V or N2 / 240V**
** White jumper wire <u>must</u> be connected to both N1 & N2 terminals.		



Mobile models:



Mobile models - continued:

WARNING

Disconnect power to the light before performing the following procedure. Failure to comply may result in electric shock.

Step 1: Install transformer.

- A) Install heat shrink tubing over blue and brown transformer wires. Slide tubing over entire length of wires.
- *B)* Connect blue and brown transformer wires to corresponding jumper wires. Install two wire nuts.
- *C)* Gather blue and brown wires with cable tie, then feed jumper wires thru mounting tube of housing. Secure cable tie with screw.
- D) Position transformer, then secure with two screws, lockwashers, washers.

Step 2: Connect transformer wiring.

- A) Measure the input voltage at <u>all</u> receptacles where the light may be used. Calculate the average voltage of the receptacles.
- *B)* Install quick connect terminals on the appropriate wires, then connect wires to AC inlet as shown.
- C) Align matchmarks, then secure bottom plate with four screws.



YELLOW

ORANGE

RED



<u>< 117.0 VAC</u>

117.1 to 123.0 VAC

≥ 123.1 VAC



Wall models:

WARNING

Disconnect power to the light before performing the following procedure. Failure to comply may result in electric shock.

Step 1: Remove transformer.

- A) Remove outer and inner bracket covers.
- B) Tag / disconnect all transformer wiring.
- C) Remove two screws and transformer.

Step 2: Install transformer.

- A) Position transformer / secure with two screws.
- B) Connect black wire to fuse holder.
- C) Connect red, orange, and yellow wires to appropriately marked terminals.



MA8575i

Wall models - continued:



WARNING

The following step requires power to be connected. Use caution when performing this step. Failure to comply may result in electric shock.

Step 3: Measure input voltage.

- A) Use a multimeter to measure the input voltage to the light.
- B) Record this reading.



WARNING

Disconnect power to the light before performing the following procedure. Failure to comply may result in electric shock.

Step 4: Select proper input terminal.

A) Connect the BLUE wire from the fuse holder to the appropriate terminal. Refer to the chart on this page.

Step 5: Install inner & outer covers.



Wall mounted models:		
Input Voltage:	Power Lead:	
<u><</u> 117.0 VAC	N1 / 114V	
117.1 to 123.0 VAC	N1 / 120V	
≥ 123.1 VAC	N1 / 126V	





MA8577i