

INSTALLATION GUIDE

Model RM300/RM600 Remote Magnetic Transformer
(For use with Besa low voltage lighting systems only)

RM300-RM600, Rev.4 9-10



BESA LIGHTING

6695 Taylor Rd. Blacklick, OH 43004
www.besalighting.com

IMPORTANT SAFETY INSTRUCTIONS:

- A) Read all instructions.
- B) Do not conceal or extend exposed conductors through a building wall.
- C) Do not install this system in wet locations.
- D) For low voltage exposed insulated conductor systems required by 30.1(c) do not install any part of this system less than 7 feet (2.2m) above the floor.
- E) To reduce the risk of fire and burns, do not install this lighting system where the exposed bare conductors can be shorted or contact any conductive materials.
- F) To reduce the risk of fire and overheating, make sure all connections are tight.
- G) Do not install any luminaire closer than 6 inches (15.25 cm) from any curtain, or similar combustable materials.
- H) Turn off electrical power before modifying the lighting system in any way.

Transformer Operation:

The RM300 is a 300 watt magnetic transformer, designed to power multiple luminaires with a combined load of 300 watts or less. For example, if using 50 watt halogen pendants, do not connect more than six (6) total. The RM600 is simply dual 300W Output, so DO NOT exceed the 300 watts load per output.

For dimming, an magnetic low voltage dimmer is recommended.

TRANSFORMER INSTALLATION:

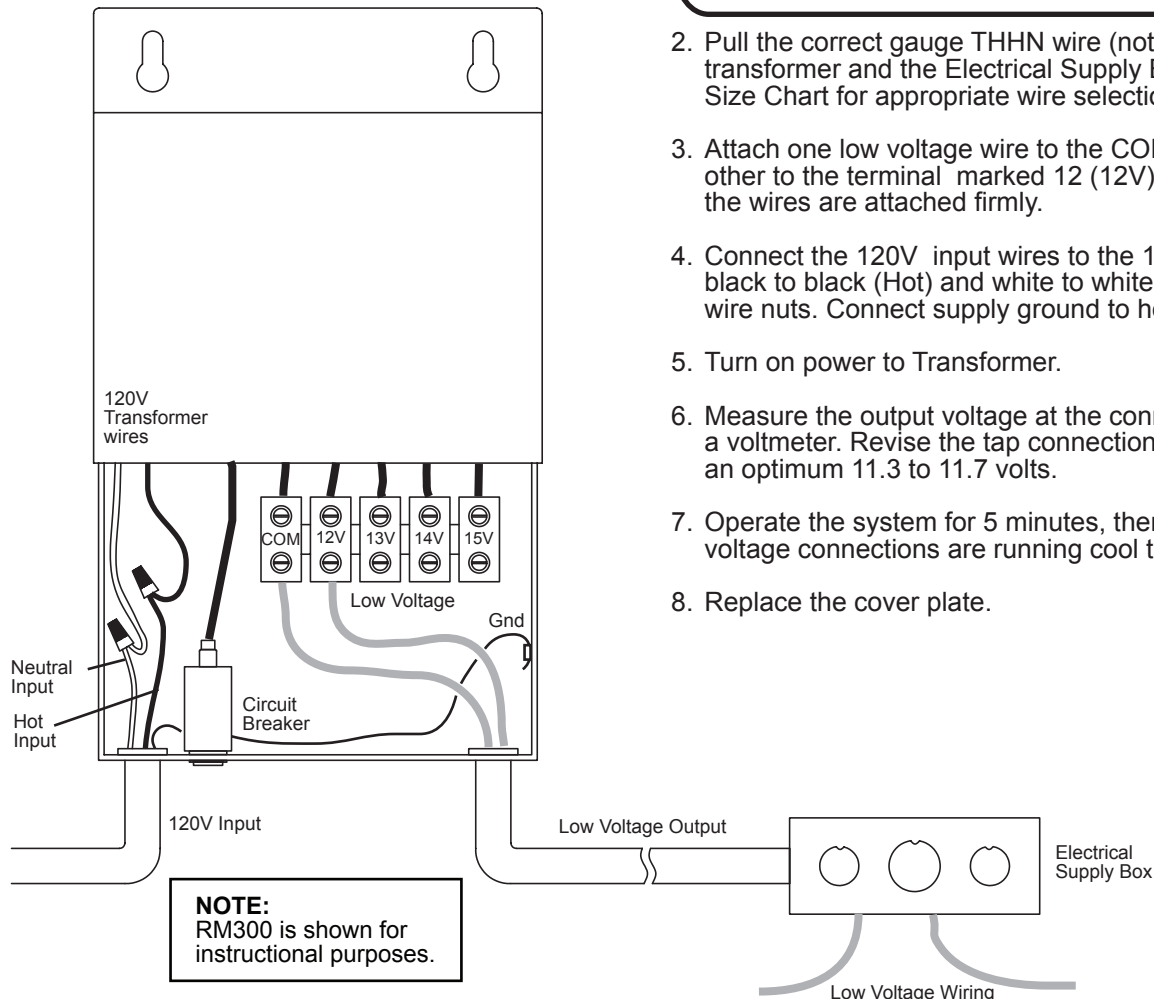
1. Remove cover plate at bottom to expose connections.

IMPORTANT:

For RM600, there will be 2 sets of 300W Outputs. So the steps below must be performed for each set.

For Step #3, each output must use a separate COM terminal. DO NOT SHARE ONE COM TERMINAL FOR BOTH OUTPUTS.

2. Pull the correct gauge THHN wire (not provided) between the transformer and the Electrical Supply Box. Refer to the Wire Size Chart for appropriate wire selection.
3. Attach one low voltage wire to the COM terminal and the other to the terminal marked 12 (12V). It is important that the wires are attached firmly.
4. Connect the 120V input wires to the 120V Transformer wires, black to black (Hot) and white to white (Neutral). Secure with wire nuts. Connect supply ground to housing ground nut.
5. Turn on power to Transformer.
6. Measure the output voltage at the connection to monorail with a voltmeter. Revise the tap connection as needed to achieve an optimum 11.3 to 11.7 volts.
7. Operate the system for 5 minutes, then verify that the low voltage connections are running cool to the touch.
8. Replace the cover plate.



*This Transformer is equipped with 4 different outputs: 12V, 13V, 14V and 15V.
The 13-15 volt taps should only be used if the voltage at the end of the system is 10.5 volts or less.
The ideal voltage is between 11.3 and 11.7 volts.

SAVE THESE INSTRUCTIONS