

M-SERIES

120VAC / 12VAC Installation Guide

FOR MODELS
M20L12-AR | M40L12-AR
M60L12-AR | M100L12-AR

BEFORE YOU BEGIN

This transformer is to be installed in accordance with Article 450 of the National Electric Code (NEC). The transformer must be installed in a well-ventilated area free from explosive gases and vapors. Proper operation requires for free flow of air. Since this transformer is hardwired, it should only be installed by a qualified electrician.

Precautions Before Installation

Check the label and ensure the driver has the proper input voltage and wattage for the job. Check the wire markings to ensure they match the wiring diagram on this installation guide.

Mounting

Select a suitable location capable of supporting the weight of the driver. Use the two keyholes in the wire housing when mounting (see Figure 1). It is recommended that the driver be mounted vertically, with the wiring compartment pointing down (Figure 1). The recommended spacing between drivers is 5".

Input Connections/Grounding

With the power turned off, do the following:

1. Remove wire compartment cover plate (Figure 1).
2. Remove knockouts.
3. Insert wire strain reliefs into the knockouts.
4. Route the input wires (black, white and green through a strain relief and connect one wire to black and one wire to white. For all wire connections use only UL listed wire nuts and connectors of suitable size and type. Connect the ground wire to the transformer's green wire.

120 / 277VAC

12 / 24VAC

CLASS 2



RoHS Compliant

Quick Specs

Input Voltage	120V AC
Output Voltage	12V AC
Max. Ambient Temp.	-30° C to 45° C (-22°F - 113°F)
Enclosure	Dry & Damp
Min. Space Between Drivers	5"

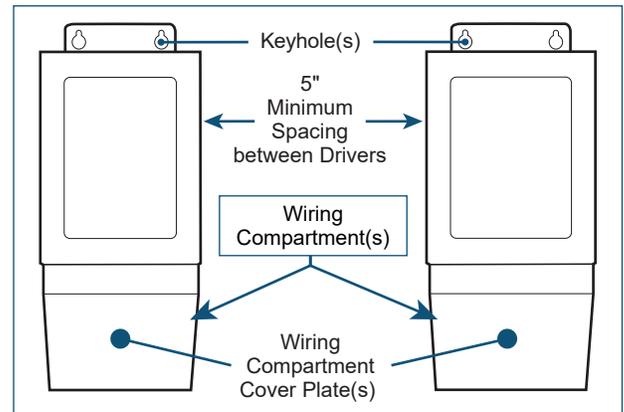


Figure 1

Output Connections

5. Bring the wires of the light fixture through the other clamp connector and connect them to the driver wires; positive (+) to the red wire and negative (-) to the blue wire. Measuring the output voltage without a load will result in readings greater than the nominal voltage.

Wiring Diagram

Dimming

Dimmable with any standard MLV/Incandescent TRIAC (Leading edge) dimmer switch. Dimmer switch is to be installed on the input (277VAC side) of the driver. For smooth dimming, 8W minimum load is required. Please visit our website at www.magnitudeinc.com for a full dimmer compatibility list.

