

T-Series Multi-Output Class 2 Installation Guide

120-300W Magnetic DC Drivers

BEFORE YOU BEGIN



General

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

Precautions Before Installing

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 (below).

Mounting

Select a suitable location capable of supporting the weight of the driver. Mount the unit using the two keyholes in the driver case. It is recommended that the driver be mounted vertically, with the wiring compartment pointing down. Keep a minimum space of 5" between each driver.

Quick Specs

Input Voltage	120V AC
Output Voltage	12V DC
Max. Ambient Temp.	-30°C - 45°C
Enclosure	Nema 3R - Outdoor Use
Min. Installation Space Between Drivers	5"

Dimming

Dimmable with any standard MLV TRIAC (Leading Edge) dimmer switch. Dimmer switch is to be installed on the input (120V AC) side of the driver.

INPUT CONNECTIONS/GROUNDING

Remove the wiring compartment knockouts and install strain reliefs. With power turned off, route the input wires through a strain relief and connect the wires as follows:

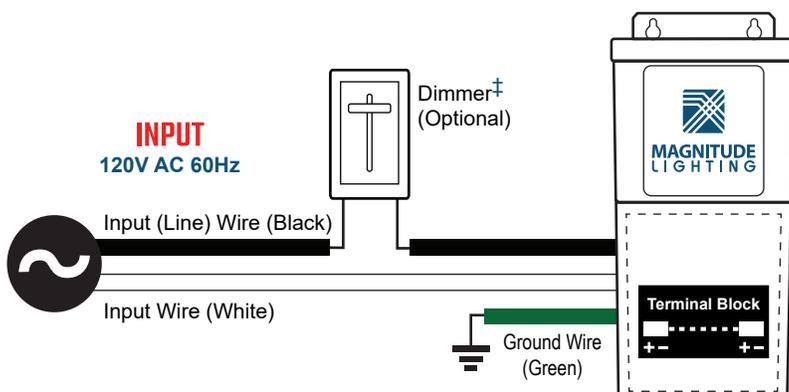
1. Line (Black) wire to the connector marked "L".
2. Neutral (White) wire to the connector marked "N".
3. Ground (Green) wire to the connector marked "G".

OUTPUT CONNECTIONS

Bring the wires of each light fixture through the other open knockout and connect them through the terminal block output. (Note that there are two, three or five terminal blocks, according to the model.) Connect the positive wire to the Positive (+) terminal and the negative wire to the Negative (-) terminal.

Important Note: For optimal driver and dimming performance, it is recommended that (1) each channel is loaded to a minimum of 50% load and (2) any one channel does not exceed 85% load.

If one channel is loaded with 92 watt or below, any other channel can have any load size below 92 watt -- or no load at all.



Each individual terminal block is protected with a manual/reset circuit breaker; therefore, each terminal must be independently operated and may not be used in series or parallel to each other.

DO NOT INSTALL PWM low-voltage controllers on the output without consulting with Magnitude Lighting.

†Please visit our website at www.magnitudeinc.com for a full dimmer compatibility list.