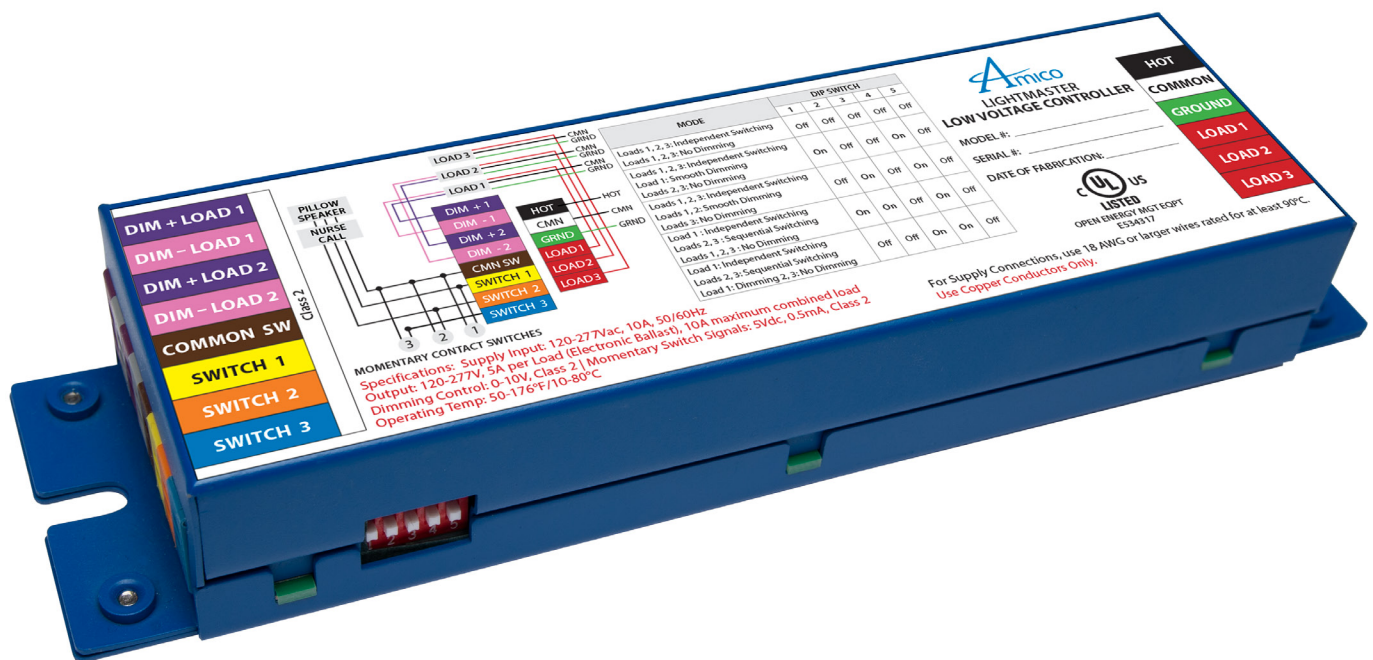


Operating and Maintenance Instructions

Low Voltage Controller with Dimming



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Introduction

Thank you for your purchase of the Low Voltage Controller with Dimming. This installation manual gives you instructions on the different functions and modes of the Low Voltage Controller with Dimming. Please read the following instructions carefully and adhere to the safety guidelines and standards.




If you need information for further instructions on operation, maintenance, and/or descriptions of the product please feel free to contact Amico's Customer Service at: alt-customerservice@amico.com

For technical support please contact: alt-techsupport@amico.com

To learn more about Amico's portfolio of healthcare lighting products, visit <https://www.amico.com/lights>

Symbols Used in This Manual

The warning symbols indicate all instructions that are important for safety. Failure to comply with them can lead to injury, damage to the luminaire or the equipment. In combination with the following signal words the warning symbols means:

 DANGER	Can lead to death or serious injury
 WARNING	Can lead to injury
	UL Listed certification mark

Trademarks: All trade names mentioned in these instructions are the exclusive property of the relevant manufacturers.

Safety Instructions

Intended Use

The Low Voltage Controller is designed to allow users to operate high voltage lights found in healthcare facilities using a low voltage device such as a keypad or pillow speaker. The Low Voltage Controller can be used and is compatible with all nurse call systems and low voltage momentary contact switches.

User Profiles

No modifications can be carried out by the end user. Doing so will void warranty, ETL approval, and may cause severe risks. Serviceable parts must be replaced with factory OEM parts. The user must comply with all building safety codes and disinfection requirements.

Warning Levels



DANGER

Indication of hazards that can lead to death or serious injury if measures are disregarded.



WARNING

Indication of hazards that can lead to injury if measures are disregarded.



CAUTION

Indication of hazards that can lead to damage to property if measures are disregarded.



ELECTRIC SHOCK

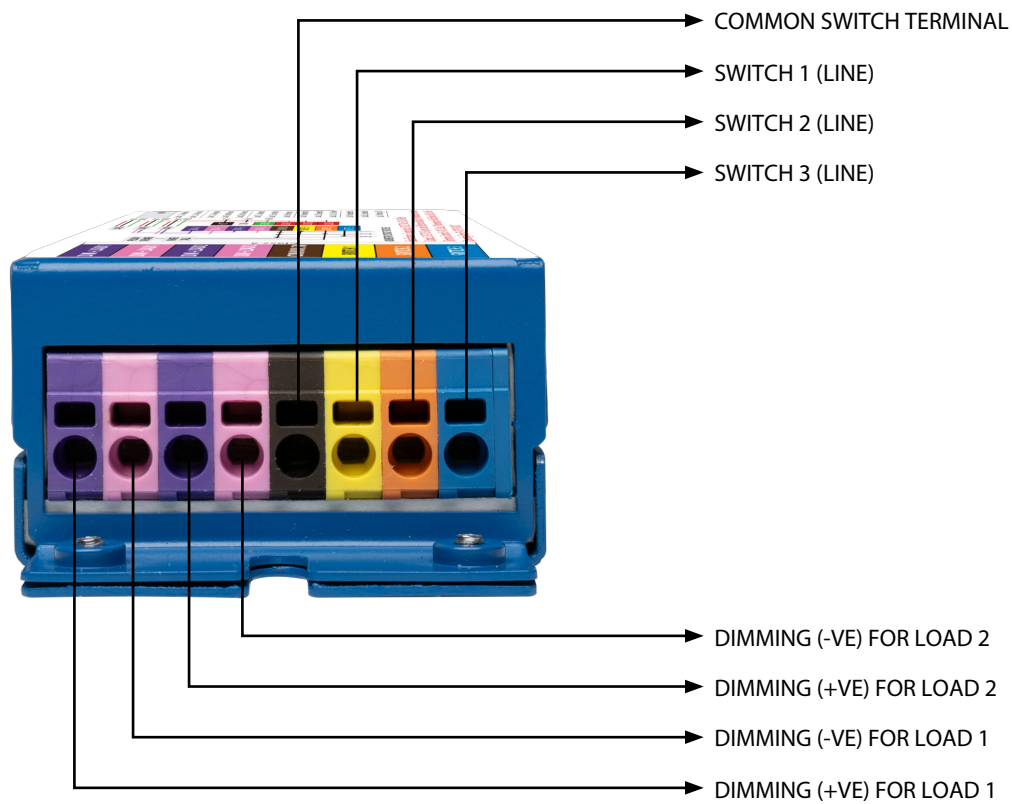
The above is an electric shock warning symbol. Non-compliance with this symbol may result in damages or injuries due to electric shock.

Tools/Materials Required

- 18-gauge wires.
- Wire stripper and wire cutter
- Silicone Wire Nuts

Note: Before proceeding with the installation, make sure to remove the power to the electrical power supply.

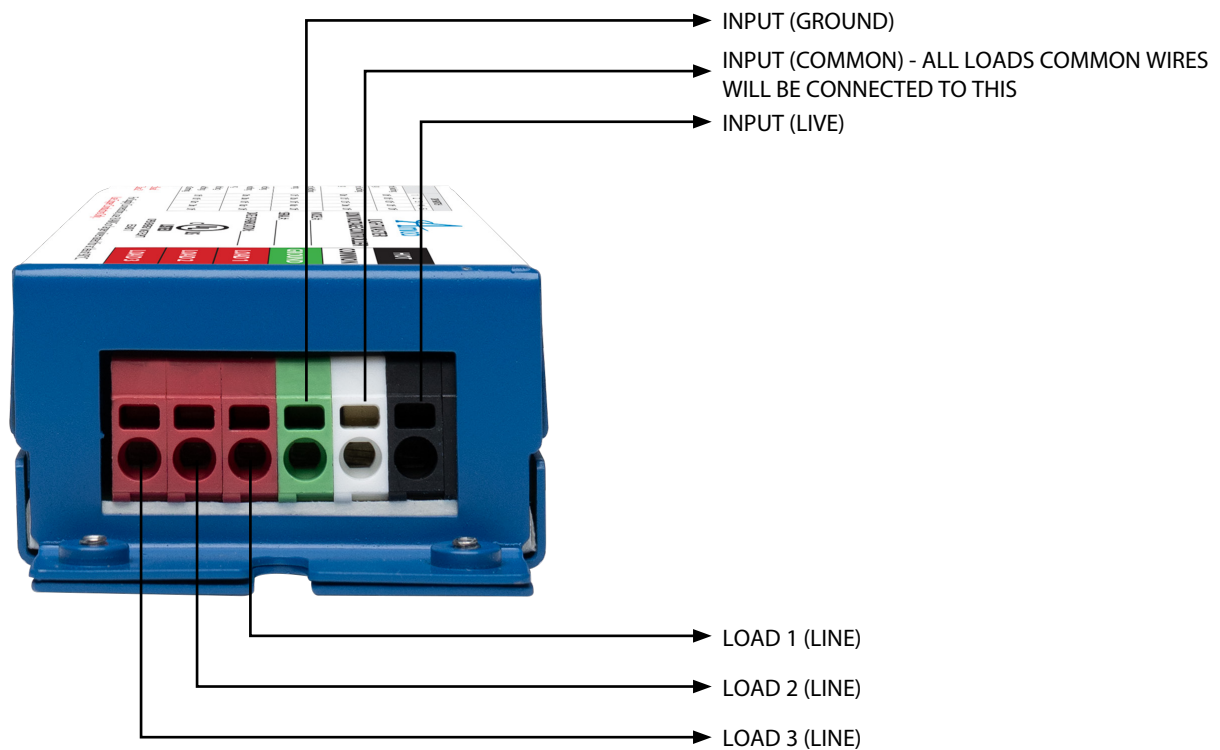
Functions of Low Voltage Controller with Dimming



Notes:

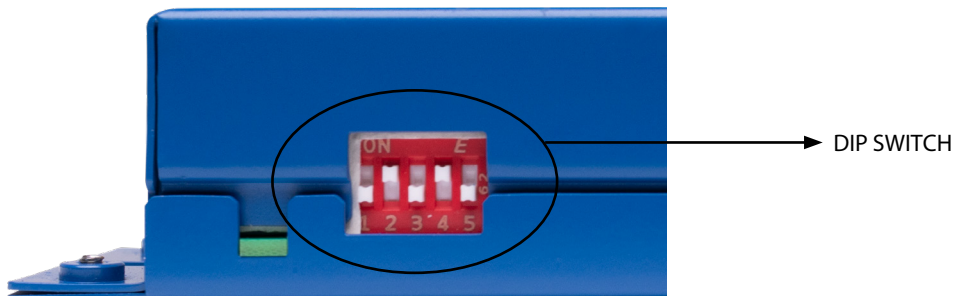
- The common switch terminal is the single terminal for all the Switch common wires.
- Please note that the dimming option is applicable only for load 1 and load 2. (Refer to page 6).
- Independent switching means all the loads are connected to the switches independently.
- Sequential switching means two loads can be connected to one switch and act as one switch for two loads.

Functions of Low Voltage Controller with Dimming



Notes:

- The input common terminal is the single terminal for all loads common wires.
- Carefully connect all the load connections according to the label information in the LVD.
- Only Load 1 and Load 2 can be connected to dimming (Refer to page 5).
- Connect the ground wire from the main line power to the ground wire in the fixture.



Note:

- Refer the Mode chart on Page 8 for changing the dip switch.

Modes of Low Voltage Controller with Dimming

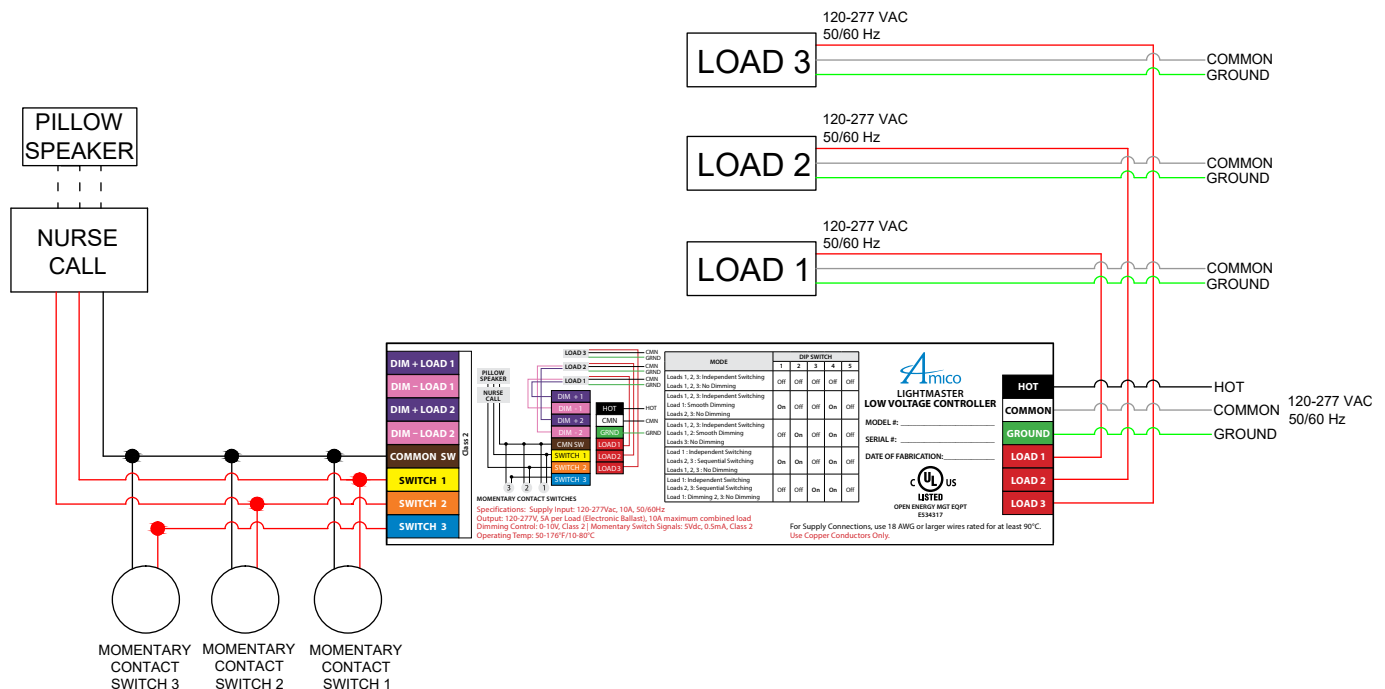
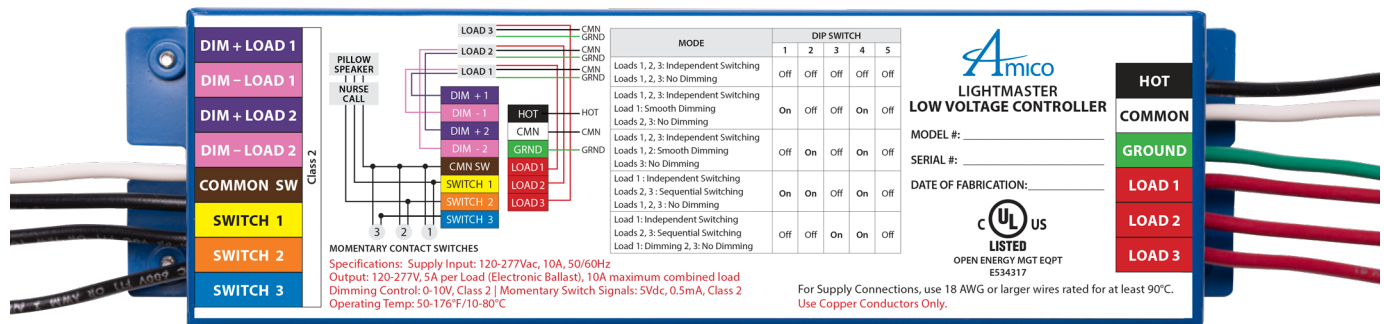
Mode Chart

Mode		Dip Switch				
		1	2	3	4	5
1	Loads 1, 2, 3: Independent Switching Loads 1, 2, 3: No Dimming	Off	Off	Off	Off	Off
2	Loads 1, 2, 3: Independent Switching Load 1: Smooth Dimming Loads 2, 3: No Dimming	On	Off	Off	On	Off
3	Loads 1, 2, 3: Independent Switching Loads 1, 2: Smooth Dimming Load 3: No Dimming	Off	On	Off	On	Off
4	Load 1: Independent Switching Loads 2, 3: Sequential switching Loads 1, 2, 3: No Dimming	On	On	Off	On	Off
5	Loads 1: Independent Switching Loads 2, 3: Sequential Switching Load 1: Dimming 2, 3: No Dimming	Off	Off	On	On	Off

- Wiring drawings and wire connections for each mode are explained further.
- Carefully read the instructions and follow the steps.

Modes of Low Voltage Controller with Dimming

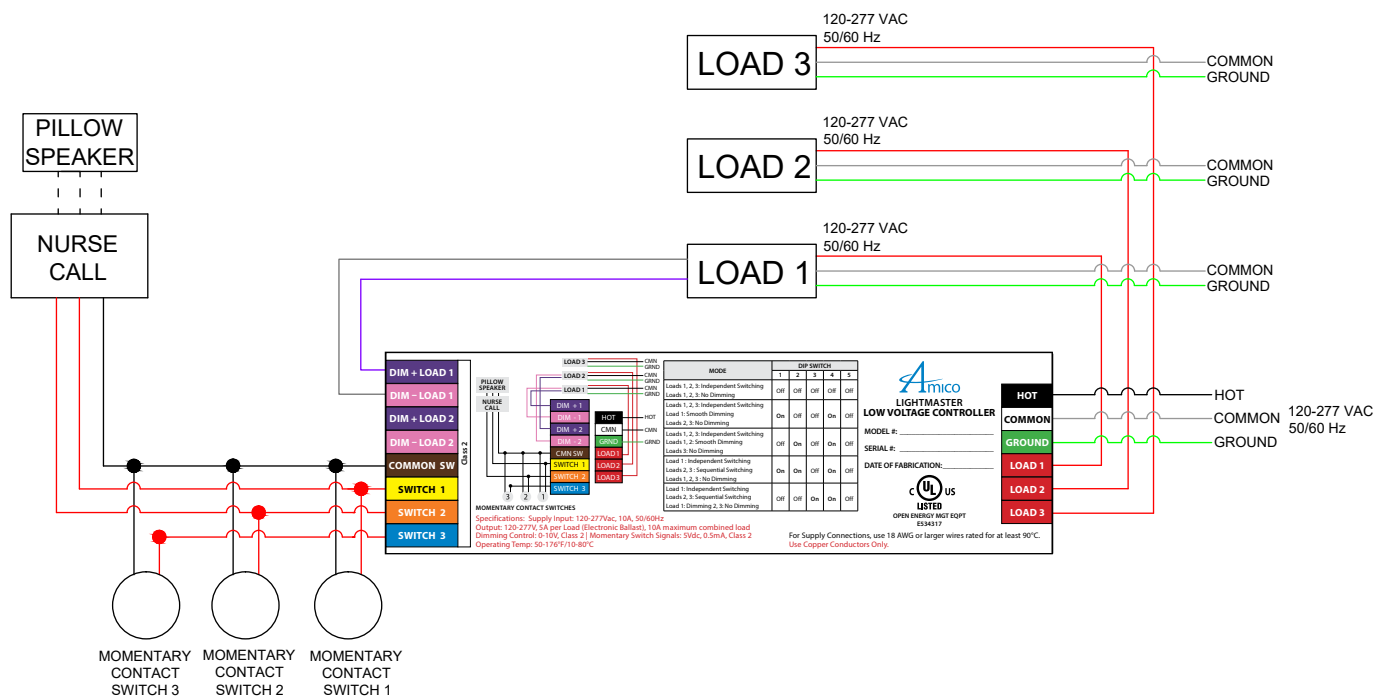
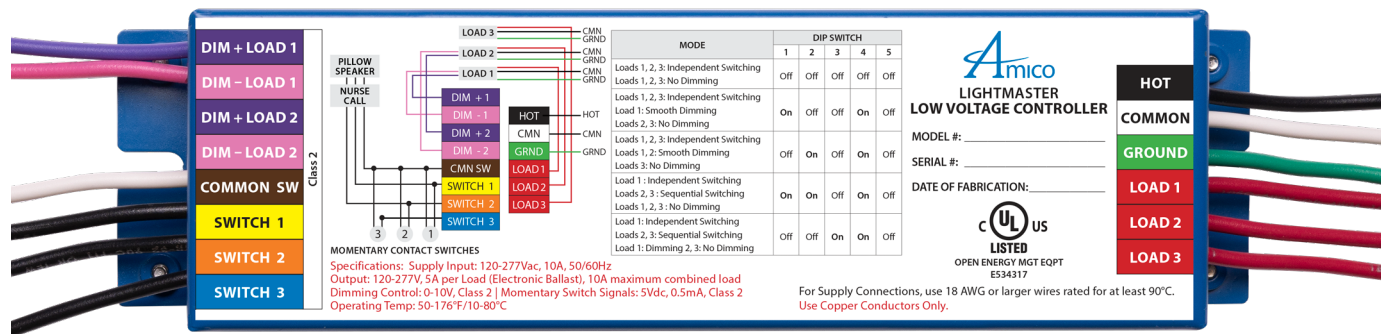
Mode 1



Mode		Dip Switch				
		1	2	3	4	5
1	Loads 1, 2, 3: Independent Switching Loads 1, 2, 3: No Dimming	Off	Off	Off	Off	Off

Modes of Low Voltage Controller with Dimming

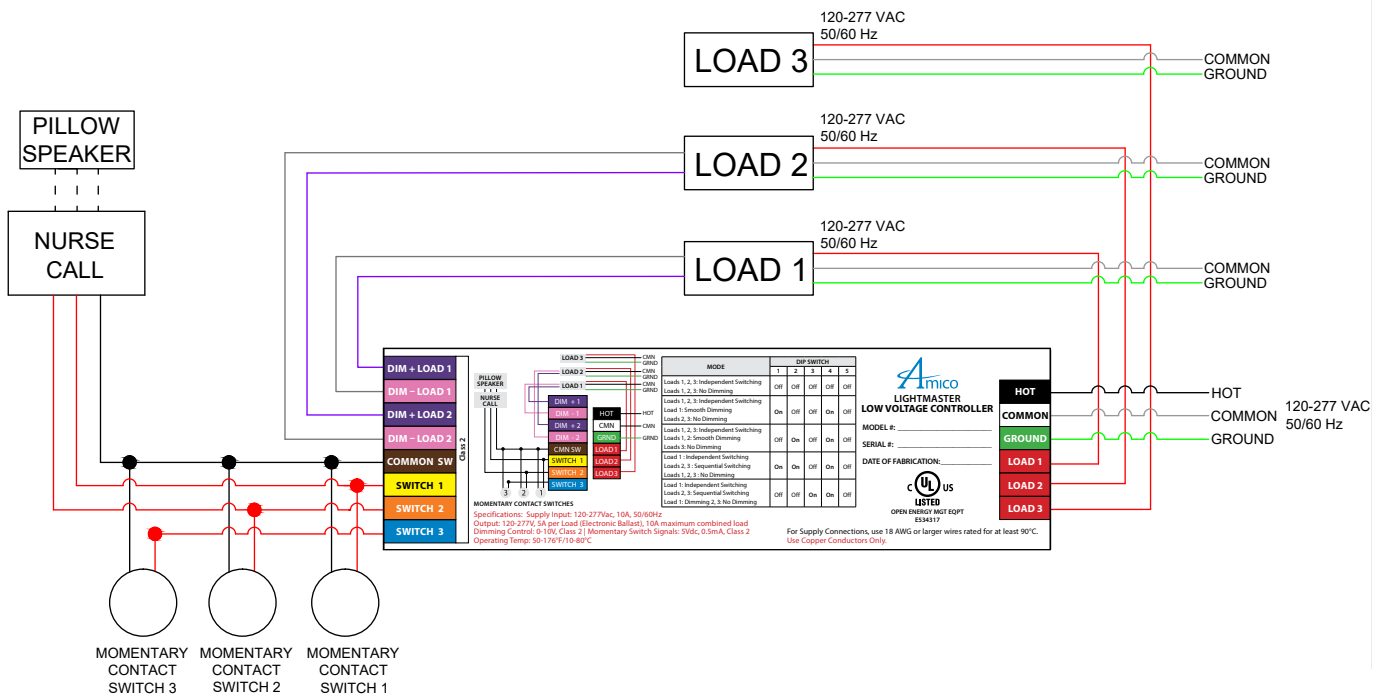
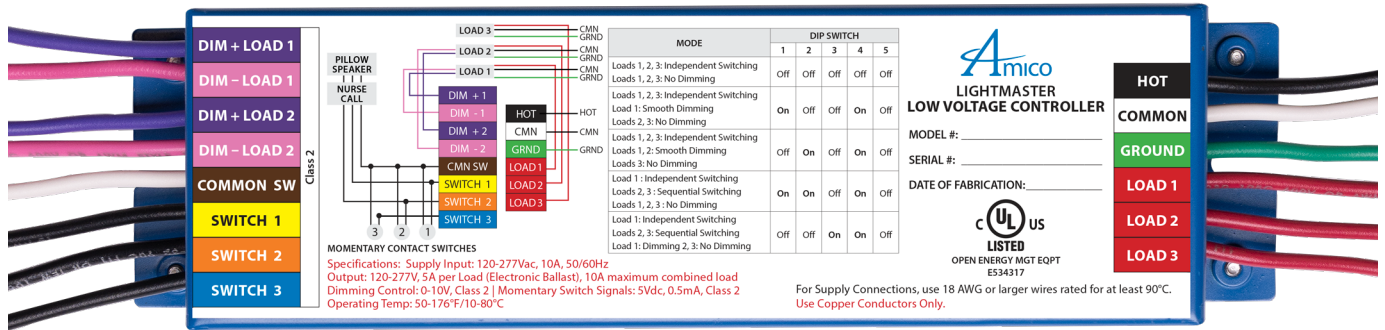
Mode 2



Mode		Dip Switch				
		1	2	3	4	5
2	Loads 1, 2, 3: Independent Switching Load 1: Smooth Dimming Loads 2, 3: No Dimming	On	Off	Off	On	Off

Modes of Low Voltage Controller with Dimming

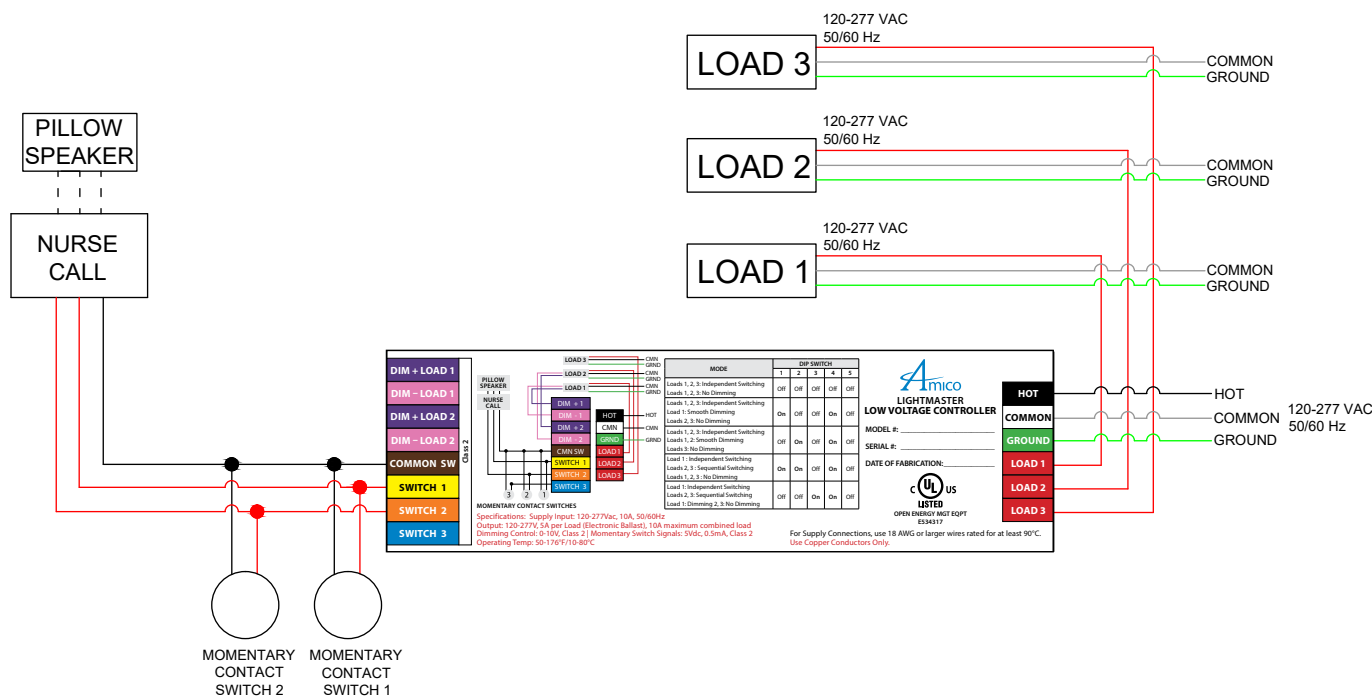
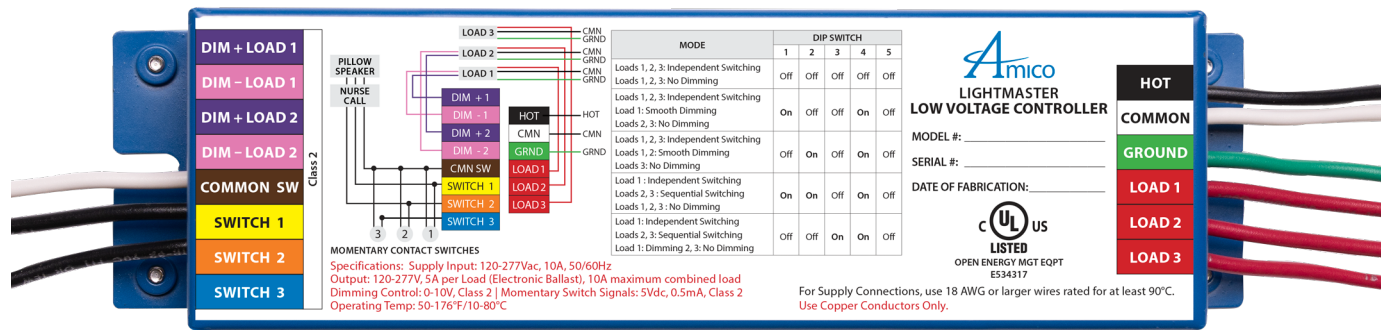
Mode 3



Mode		Dip Switch				
		1	2	3	4	5
3	Loads 1, 2, 3: Independent Switching Loads 1, 2: Smooth Dimming Load 3: No Dimming	Off	On	Off	On	Off

Modes of Low Voltage Controller with Dimming

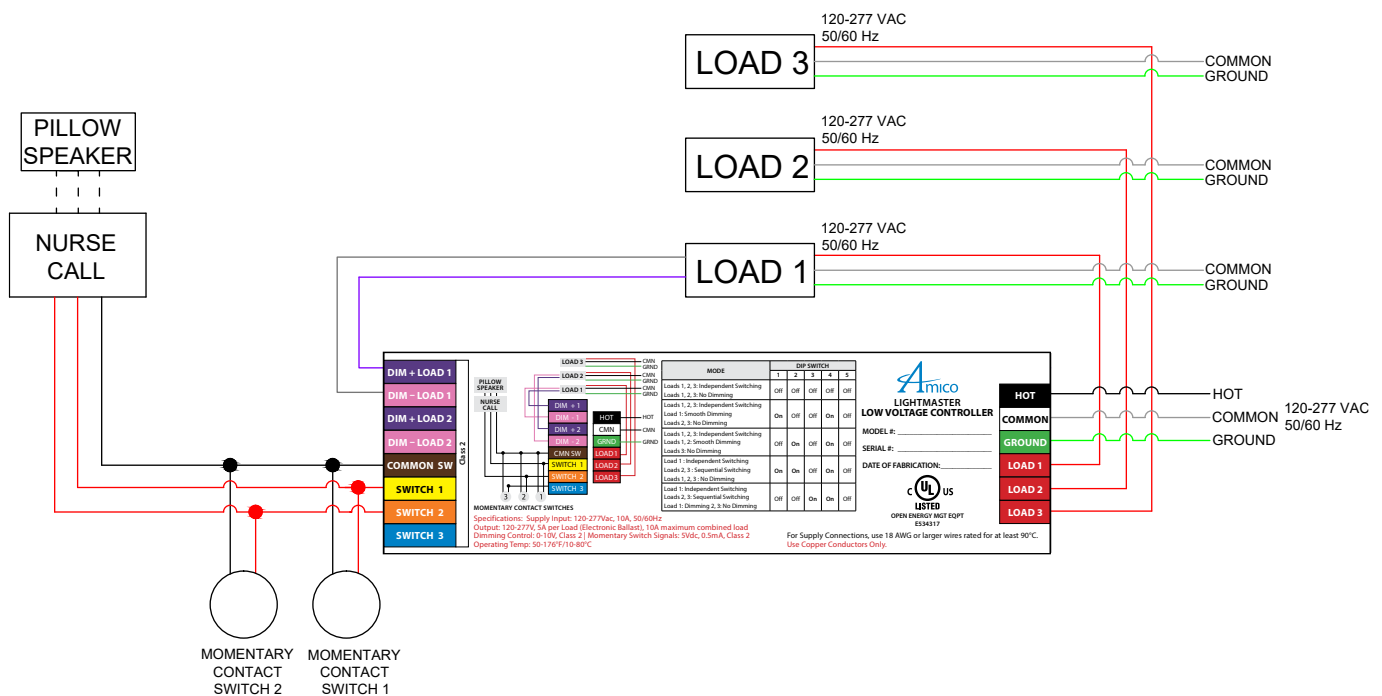
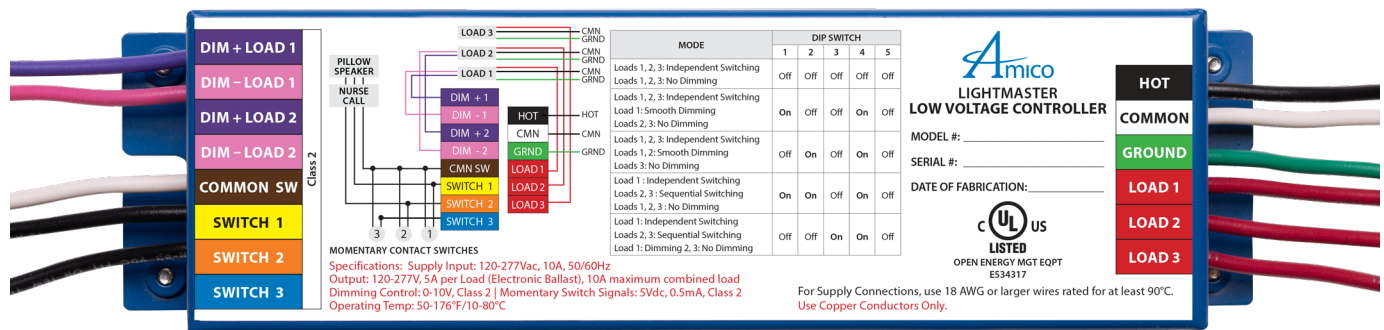
Mode 4



Mode		Dip Switch				
		1	2	3	4	5
4	Load 1: Independent Switching Loads 2, 3: Sequential switching Loads 1, 2, 3: No Dimming	On	On	Off	On	Off

Modes of Low Voltage Controller with Dimming

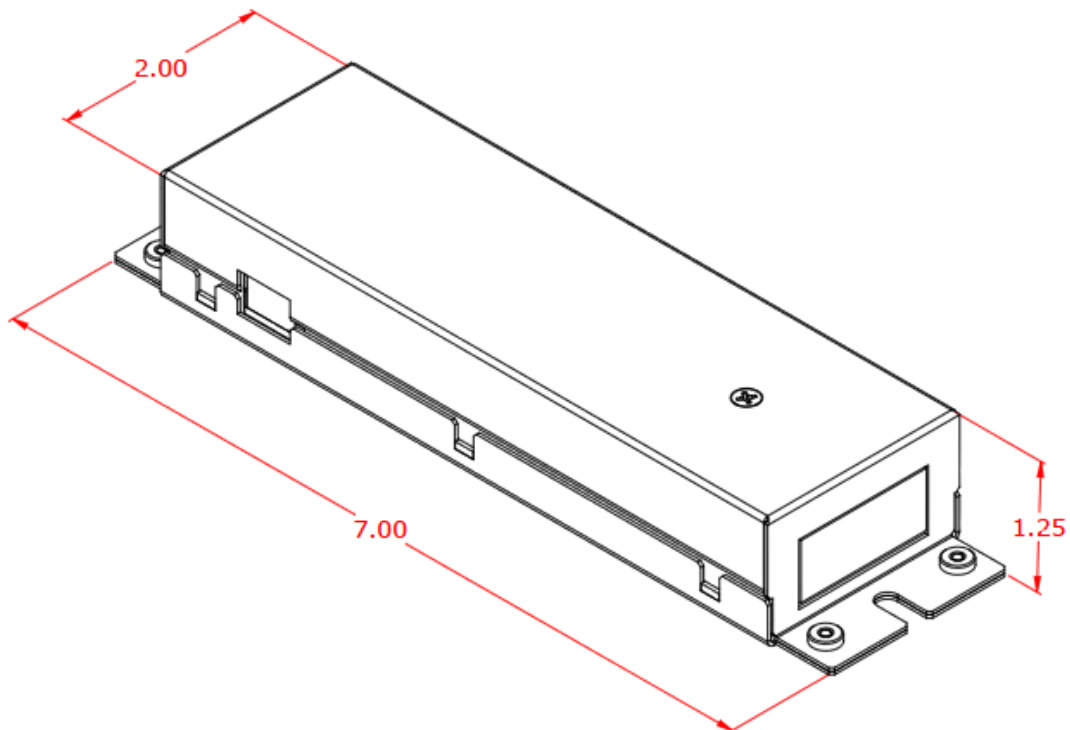
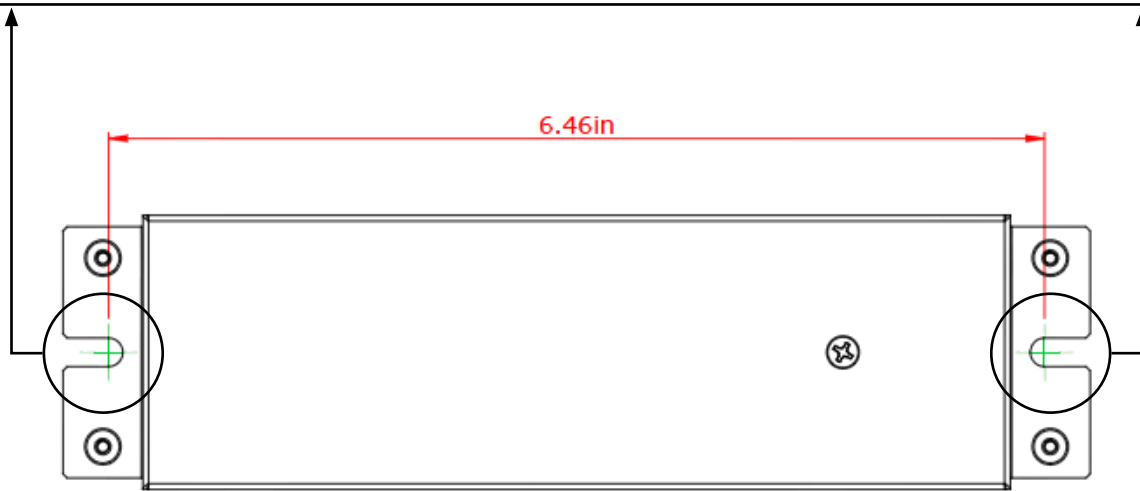
Mode 5



Mode		Dip Switch				
		1	2	3	4	5
5	Loads 1: Independent Switching Loads 2, 3: Sequential Switching Load 1: Dimming 2, 3: No Dimming	Off	Off	On	On	Off

Mounting Drawings

Use 6-32 (or) 8-32 screw and nut along with the washer for mounting it with the driver plate



Technical Data

Standard Specifications

- **Voltage:** 120 - 277 Vac, 10A, 50/60Hz
- **Output:** 120 - 277 Vac, 5A per load, 10A Max Combined Load
- **Dimming Control:** 0-10V, Class 2
- **Operating Temperature:** 50°F to 176°F (10°C to 80°C)
- **Momentary Switch Signals:** 5vdc, 0.5mA, Class 2
- **Dimensions:** (L) 7" x (W) 2" x (H) 1 ¼"
- **Modes:** Five (5) modes of operation
- **Listing:** UL Listed
- **Warranty:** Limited five (5) year warranty

Warranty Policy

Architectural Lighting Solutions

(LightMaster, Lunar Series, Skyline Series, Solar Series, Solar Eclipse Series, Solar Duo Med Series, Solar Surgical, Behavioral Series)

Amico Lights Corporation warrants its products against defective materials and workmanship for twelve (12) months from the date of shipment. Within this period, Amico Lights Corporation will repair or replace any part on site or at the factory which is proven to be defective at Amico Lights Corporation's cost.

Furthermore, Amico Lights Corporation will warrant its material to be free from defect for an additional period of four (4) years (five [5] years from the date of shipment). Within this period, Amico Lights Corporation will replace any part at no charge, which is proven to be defective. Shipping and installation costs after the first twelve (12) months will be borne by the customer.

The warranty applies to normal usage and does not apply to any product that has been subject to alteration, abuse, negligence, or use (including voltage and/or current) other than that for which the product was designed.

Amico Lights Corporation shall not be liable for incidental or consequential damages resulting from the use of the equipment.

All claims for warranty must first be approved by Amico Lights Corporation. A valid Return Goods Authorization (RGA) number must be obtained from Amico Lights Corporation prior to commencement of any service work. Warranty work which has not been pre-authorized by Amico Lights Corporation will not be reimbursed.

Notes

www.amico.com

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