Operating and Maintenance Instructions

LightMaster Digital Multifunction Keypad

Amico

Contents

Introduction

Thank you for your purchase of the LightMaster Digital Multifunction Keypad. This installation manual gives you instructions on how to install the LightMaster Digital Multifunction Keypad. 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
C (UL) US LISTED	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 Amico Digital Multifunction Keypad represents the latest addition to our LightMaster Series control products. The intuitive and user-friendly system is equipped with a 4.3" Digital LCD Display. Engineered to maximize clinical workflow efficiencies and increase patient satisfaction, our Digital Keypad can control up to five lighting functions on one single-gang keypad. The LightMaster Control System is designed as a low voltage device with a sealed and gasketed faceplate, placing a priority on user safety and infection control.

User Profiles

No modifications can be carried out by the end user. Doing so will void warranty, UL 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.
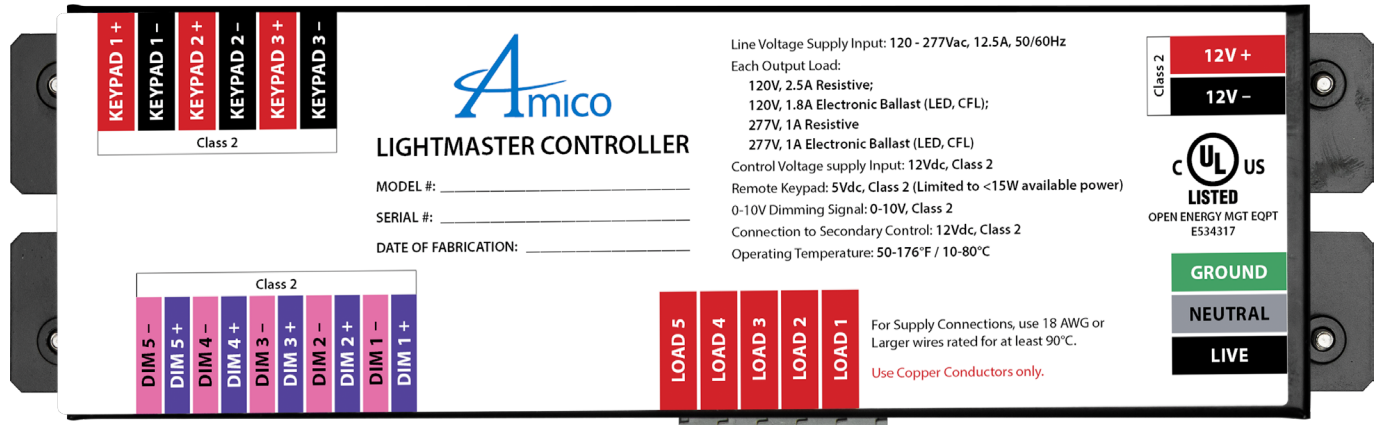
⚠ **ELECTRIC SHOCK**

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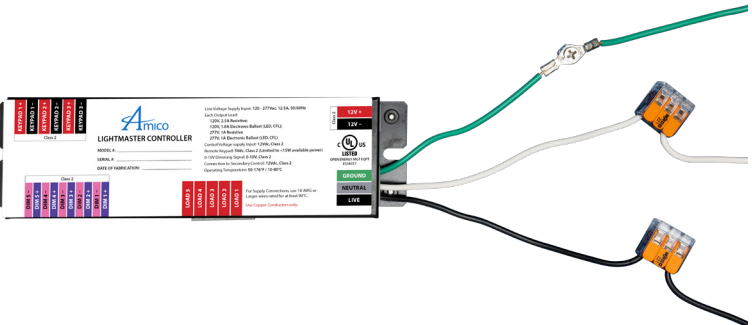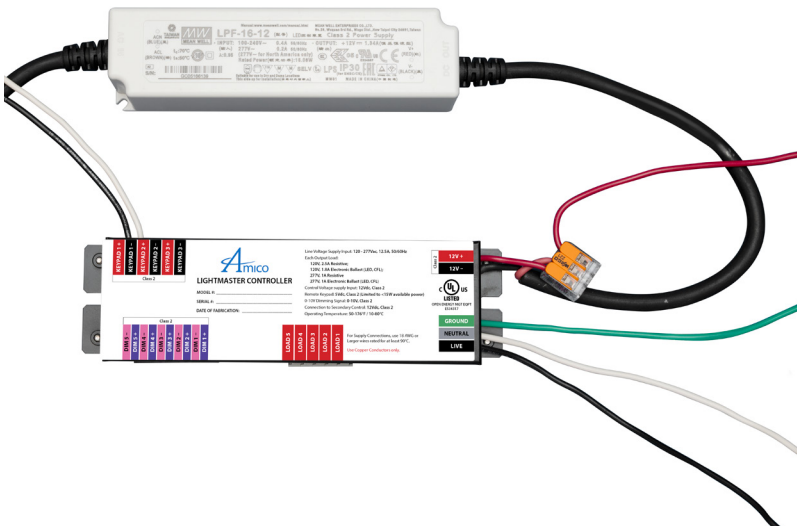
Tools/Materials Required

1. 1/8" Flat Head Screwdriver

2. Silicone Wire Nuts

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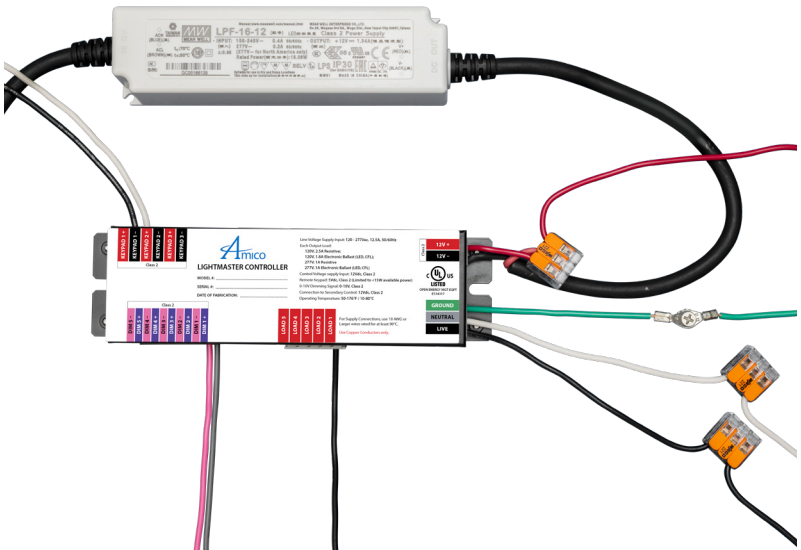

Note: Use 18/3 shielded cable to connect LightMaster with keypad.

Installing LightMaster Digital Multifunction Keypad

1	Connect the Master Controller input wires (Black = Line / White = Neutral) to the line voltage and use wago connectors. **NOTE:** Do not turn on the power during wiring work.	
2	Connect the ground wire from the main line power to the ground wire in the fixture.	

NOTE: Correct Polarity must be observed in order for the switch to operate. The Master Controller can be severely damaged by reverse polarity. Ensure that all electrical connections are secured properly and have proper connection.

3	Connect the 12V(+) wire from the power supply to the light master and bring one 12 V wire outside to connect it with the keypad terminal. Connect the (-) wire from the power supply to the LightMaster controller directly. Bring the 5V(+) wire and (-) wire from the LightMaster keypad input terminal.	

Installing LightMaster Digital Multifunction Keypad

4	Connect wires for loads and dimmings as per provided wiring diagram. **NOTE:** The neutral wires from all the drivers should be connected altogether with the input neutral of the LightMaster.
5	Connect the 12V(+), 5V(+) & (-) wires from the LightMaster to the keypad terminals. (The bottom terminal block is used for the nurse call pillow speaker connection only).
6	Connect three wires from the nurse call to the bottom terminal block in the keypad in order to operate two functions through the pillow speaker. (Optional). **NOTE:** The nurse call should be connected to only one keypad in the room.

Installing LightMaster Digital Multifunction Keypad

7	Attach the keypad with the aluminum plate mounted on the wall.	
8	Secure the keypad to the aluminum plate through the screw located on the bottom of the keypad.	

Installing LightMaster Digital Multifunction Keypad
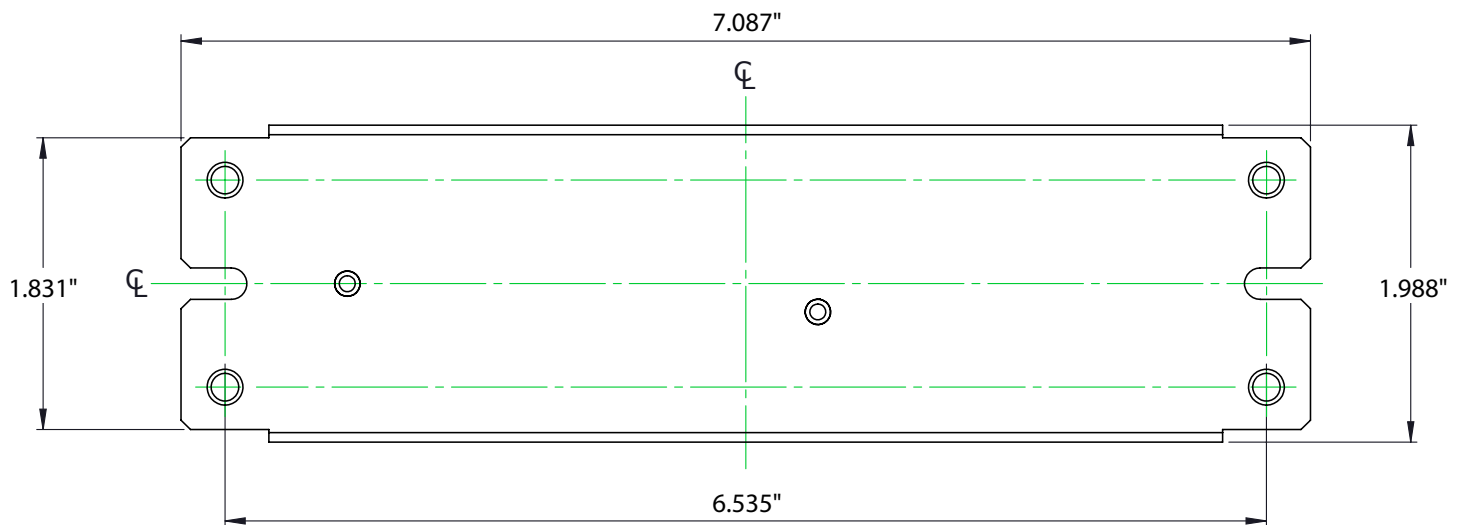
| 9 | Once powered the keypads should communicate with each other as shown below. After installing the keypad, check all functions work properly. | |

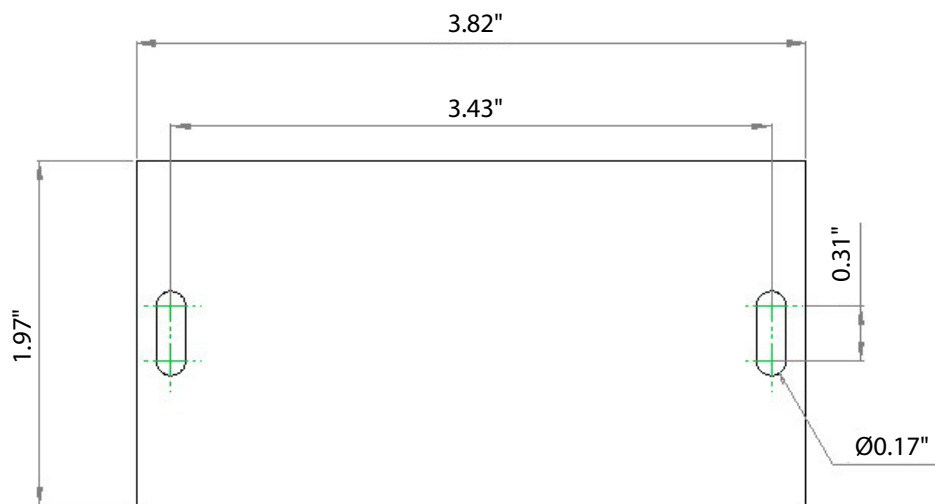**Note: Use 18/3 shielded cable to connect LightMaster with keypad.**

Mounting Drawings

6 screws can be used to mount the LightMaster controller and keypad.

LightMaster Controller

7.087"

1.831"

1.988"

6.535"

Security Power Unit

3.82"

3.43"

1.97"

0.31"

Ø0.17"

Mounting Drawings

6 screws can be used to mount the LightMaster controller and keypad.
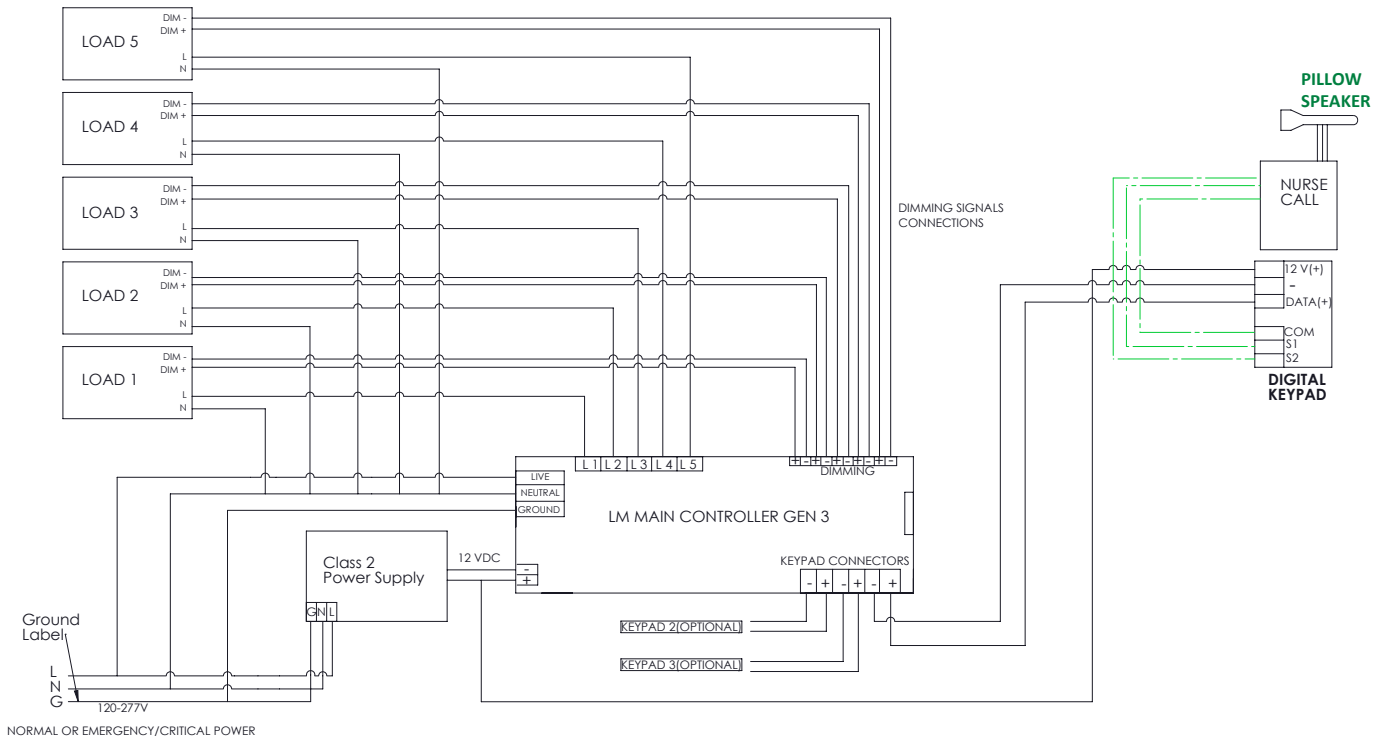
3.03"

4.64"

Keypad
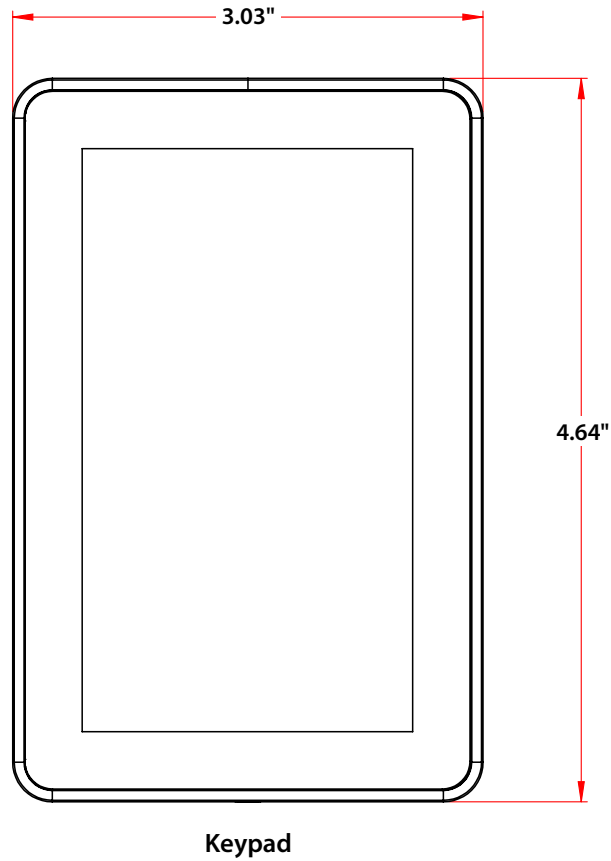
Wiring Drawings

NOTE: Standard Wiring Diagram is shown. Contact factory for custom requirement.
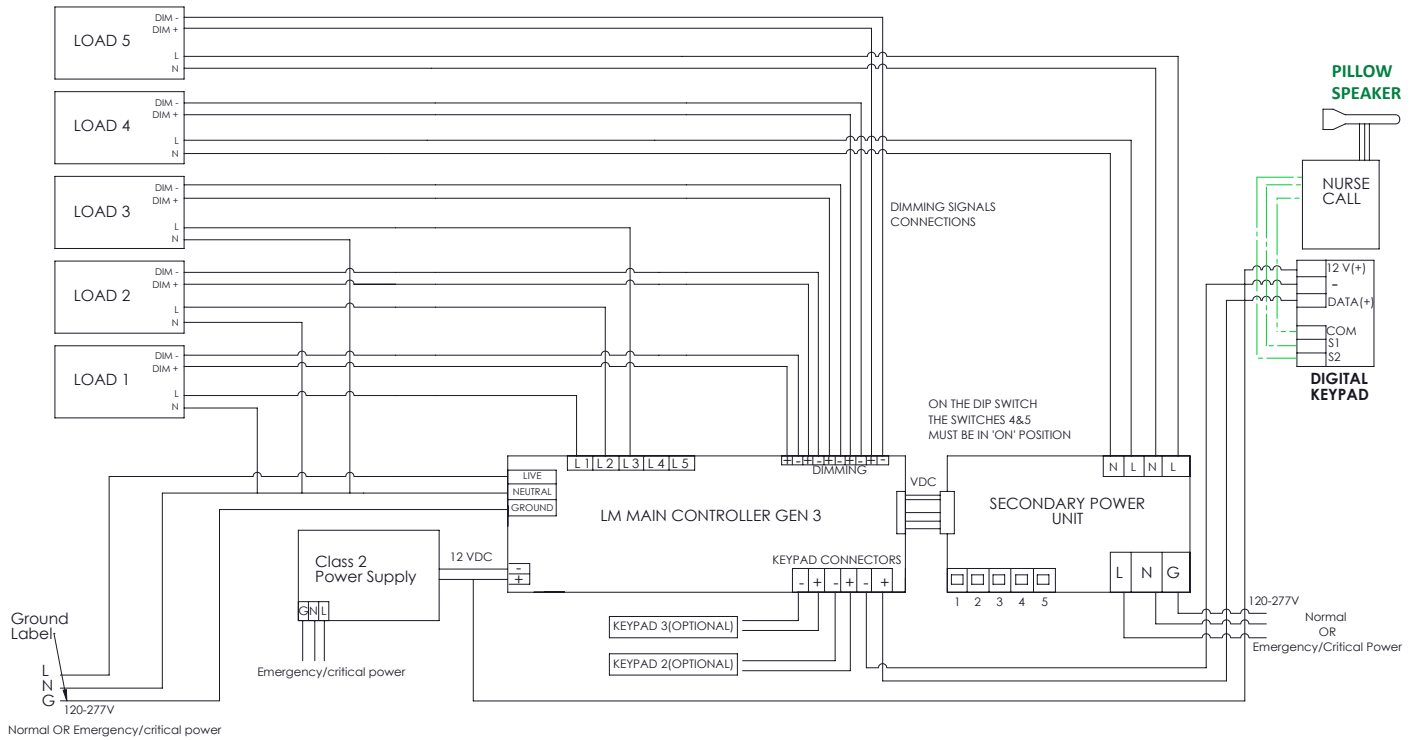
LightMaster System With Secondary Power Unit

LightMaster System Without Secondary Power Unit

Disinfecting, Cleaning, and Sterilization

NOTICE:

The keypad can only be disinfected with the following diluted products:

- Lysoformin
- Dismozon
- Hexaquart plus
- Sagrotan – fast disinfecting cleaner

NOTICE:

The local government regulations for disinfection must also be observed in addition to these instructions.

Technical Data of the LightMaster Digital Multifunction Keypad

Input Voltage	120-277 Volts, 50/60Hz
Output Voltage	120-277 Volts, 50/60Hz
Maximum Load	2.5 amps Resistive, 1.8 amps Ballast at 120 Volts, 0.975 amps Resistive, 1.0 amp Ballast at 277 Volts
Low Voltage Circuit	12VDC, 300 mA
Operating Temperature	32-176°F (0- 80°C)
Master Control Dimensions	7" (L) x 2" (W) x 1.1" (H)
Power Supply Dimensions	5.6" (L) x 1.6" (W) x 1.3" (H)
Keypad Dimensions	4.64" (L) x 3.03" (W), fits seamlessly in a single-gang electrical box
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, Leo Series, 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

c (UL) us
LISTED

5 YEAR
limited
warranty