Manuals+ — User Manuals Simplified.

BD989 LightMaster
Multifunction
Keypad

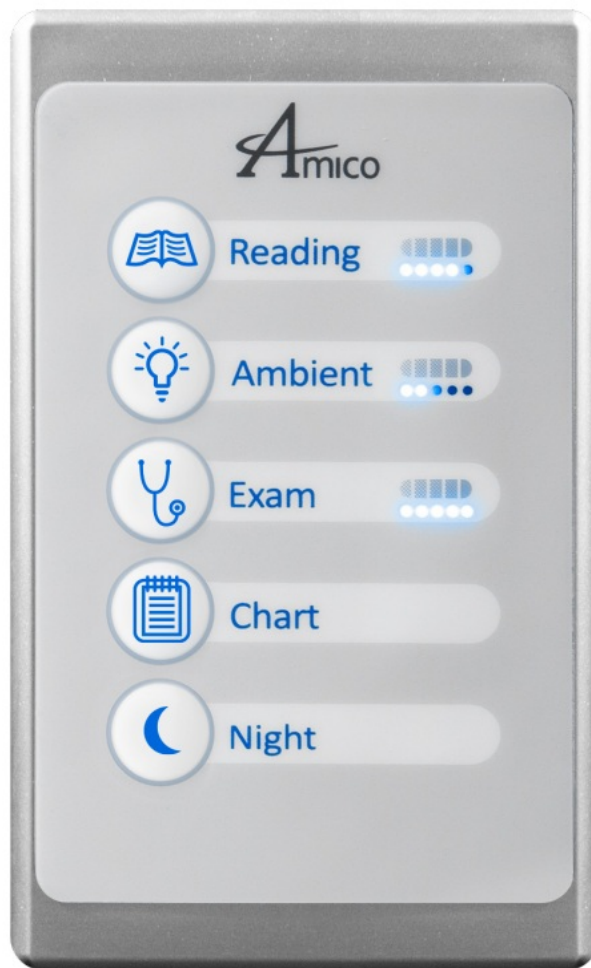# Amico BD989 LightMaster Multifunction Keypad Instruction Manual

Contents

Amico BD989 LightMaster Multifunction Keypad

Specifications

- Product: LightMaster Multifunction Keypad
- Manufacturer: Amico Lights Corporation
- Website: **www.amico.com**

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 or damage to the luminaire or the equipment. In combination with the following signal words, the warning symbols mean:

⚠ 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 LightMaster Multifunction Keypad is designed to improve the day-to-day operation of your room lighting. With advancements in room lighting, Amico has made it easy to operate each function of single or multiple light fixtures with one intuitive keypad. Incorporated in a single gang space, the LightMaster keypad can control the Reading, Ambient, Direct Light, and spotlights that may be in the room. With infection control in mind, Amico uses a Mylar Overlay on each keypad for ease of cleaning. The LightMaster keypad is also designed as a low-voltage device to ensure the highest levels of safety are met.

User Profiles

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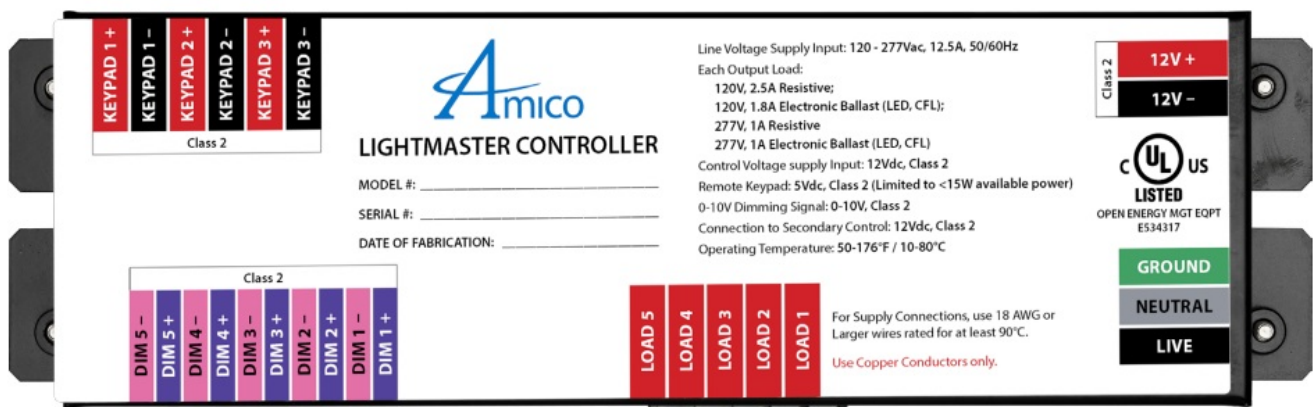
ELECTRIC SHOCK

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

1. 1/8" Flat Head Screwdriver

2. Silicone Wire Nuts

3. Single gang electrical box for wall installation (Box provided with headwall)

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

Installing LightMaster Multifunction Keypad

1. Connect the Master Controller input wires (Black = Line / White = Neutral) to the line voltage and use Wago connectors.
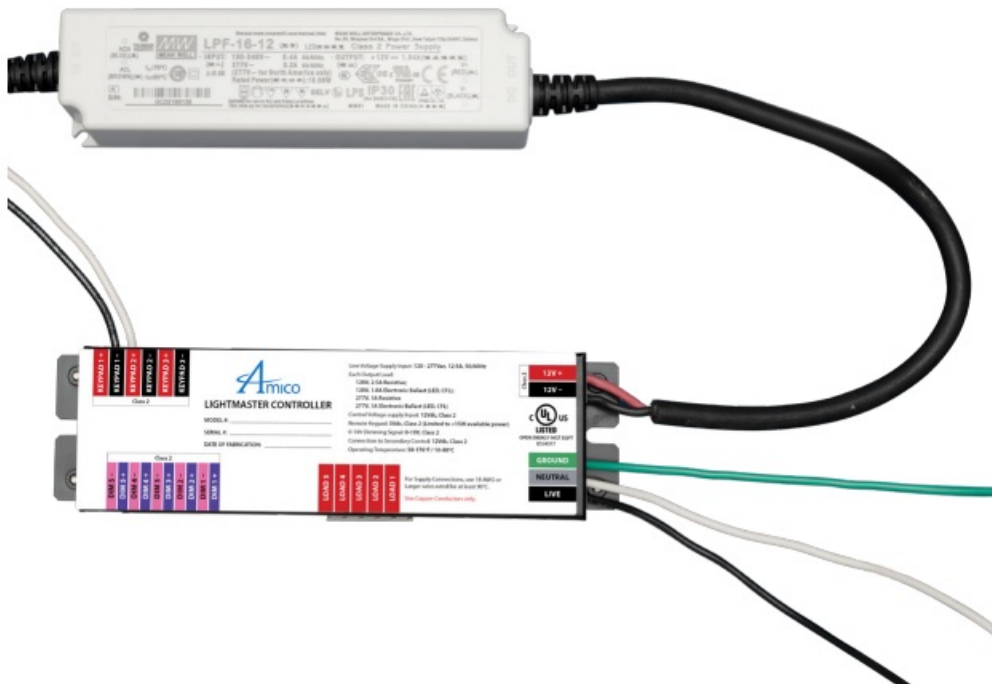   **NOTE**: Do not turn on the power during wiring work.

2. Connect the ground wire from the main line power to the ground wire in the fixture.
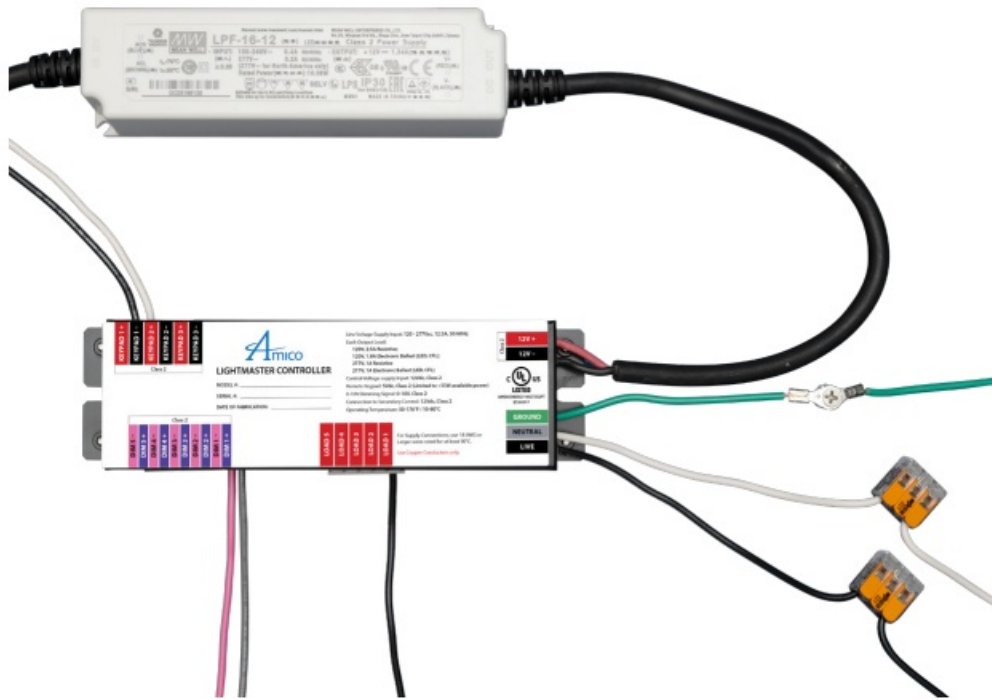

   NOTE: Correct Polarity must be observed for the switch to operate. The Master Controller can be severely damaged by reverse polarity. Ensure that all electrical connections are secured properly and have a proper connection.

3. Connect low-voltage output wires from the Master Controller to the keypad using silicone wire nuts. Each keypad will connect to one Red one Blue wire provided and labeled in the light fixture. Wiring should be done as per the wiring diagram provided.

4. Connect wires for loads and dimming as per the provided wiring diagram.

   NOTE: The neutral wires from all the drivers should be connected with the input neutral of the LightMaster.

5. Connect two wires from the Master Controller's low-voltage output to the top terminal block on the keypad. (The bottom terminal block is used for the nurse call pillow speaker connection only).

6. Connect two wires from the nurse call to the bottom terminal block in the keypad to operate two functions through the pillow speaker. (Optional)
   NOTE: The nurse call should be connected to only one keypad in the room.
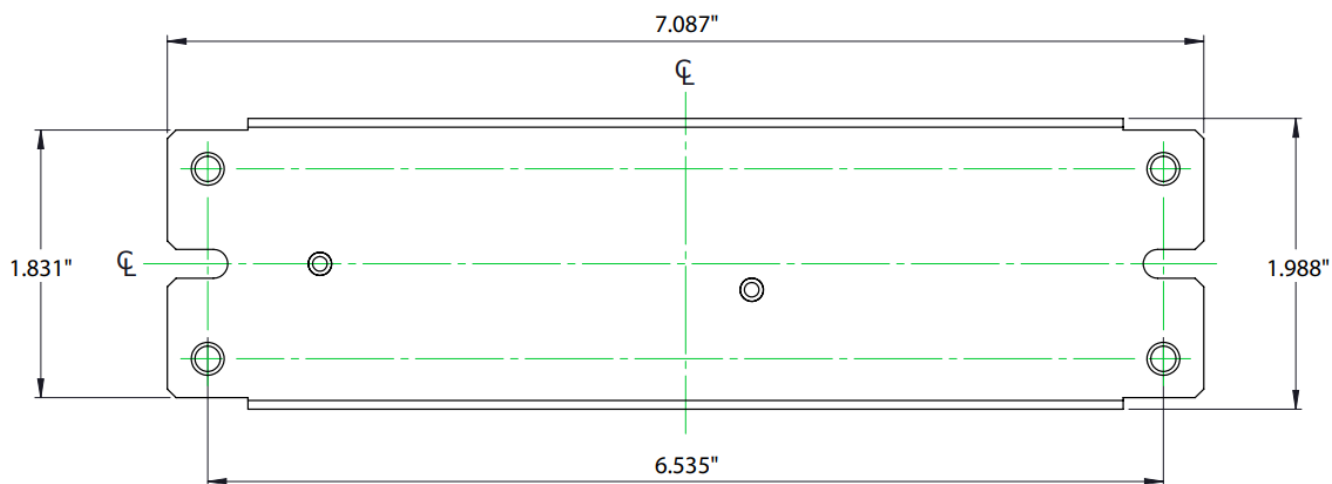
7. Once powered the keypads should communicate with each other as shown below. After installing the keypad, check all functions work properly.
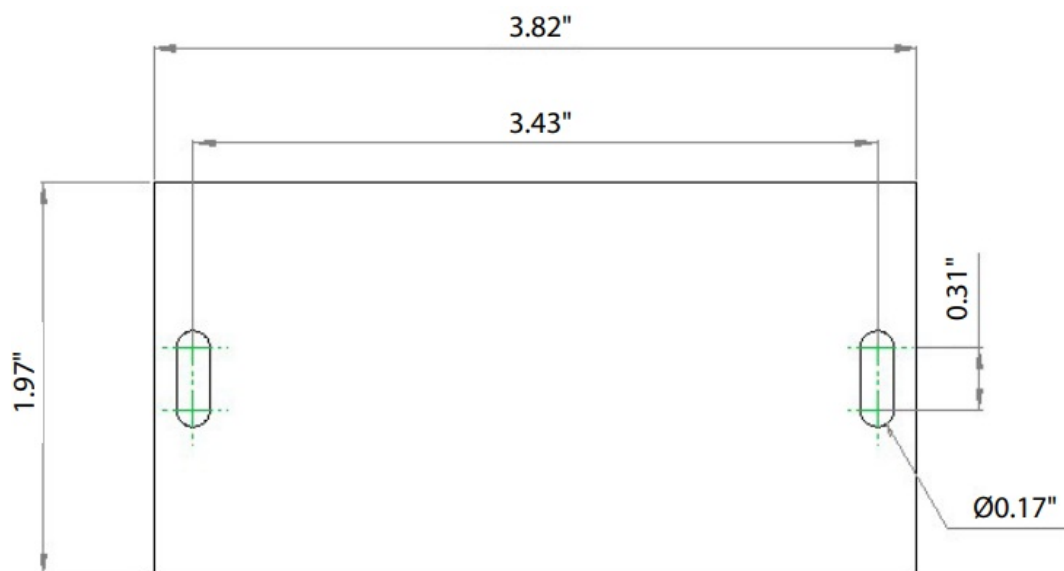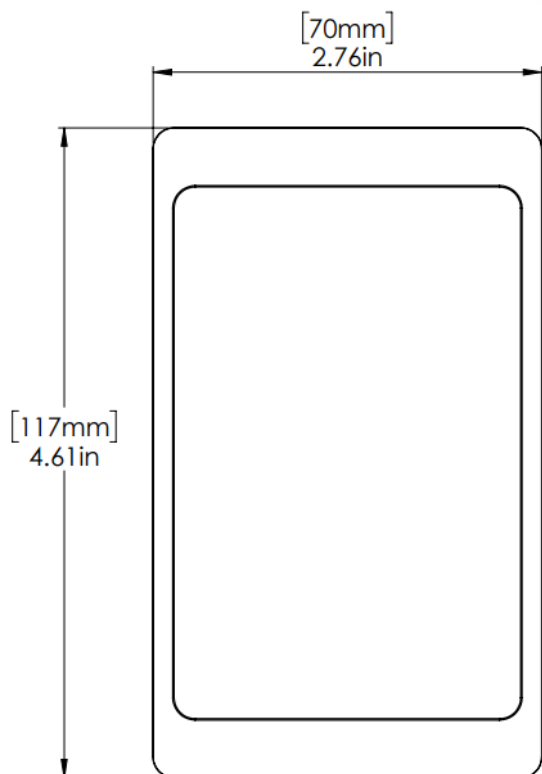

Mounting Drawings

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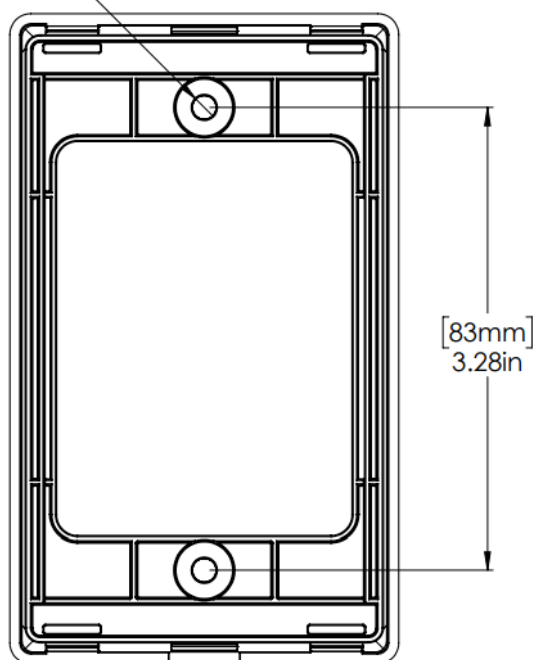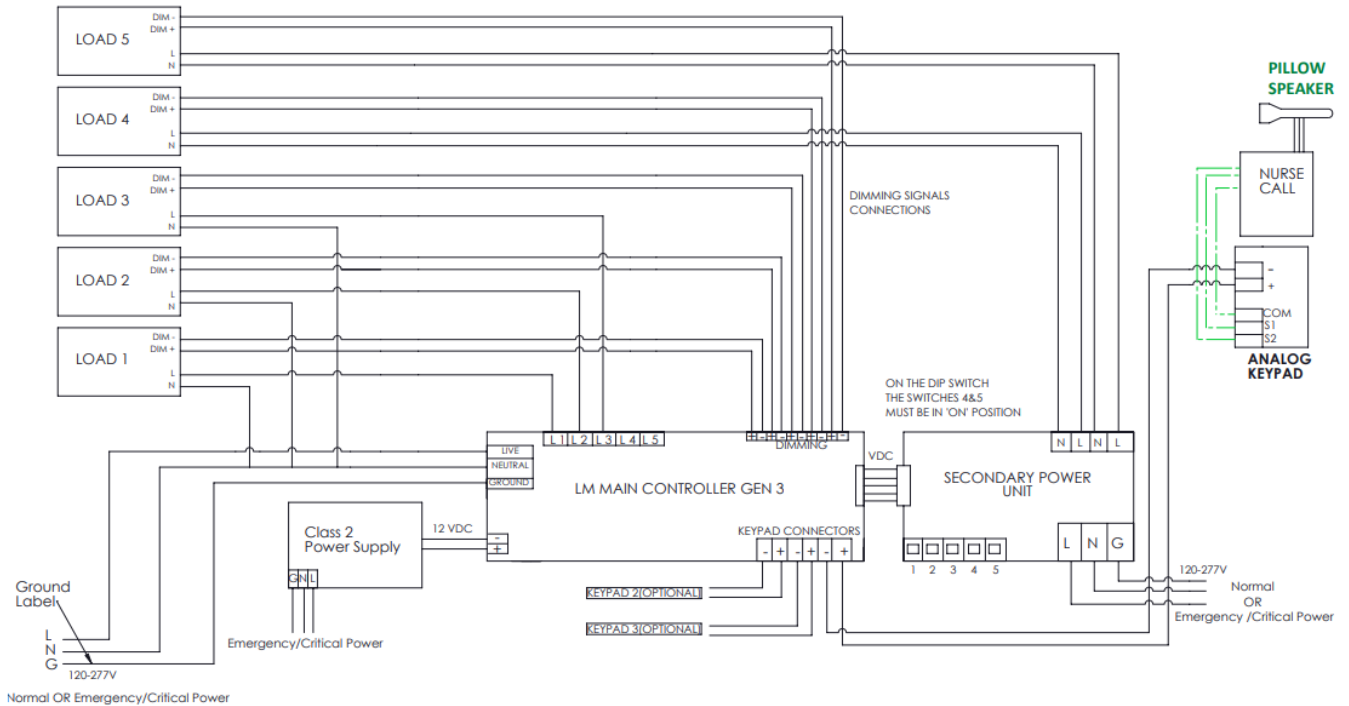
LightMaster Controller

7.087"

1.831"   1.988"

6.535"

3.82"

3.43"

1.97"

0.31"

Ø0.17"

Security Power Unit

[70mm]
2.76in

[117mm]
4.61in

∅ 0.17 ⍌ 0.83
⌵ ∅ 0.28 X 82°

[83mm]
3.28in

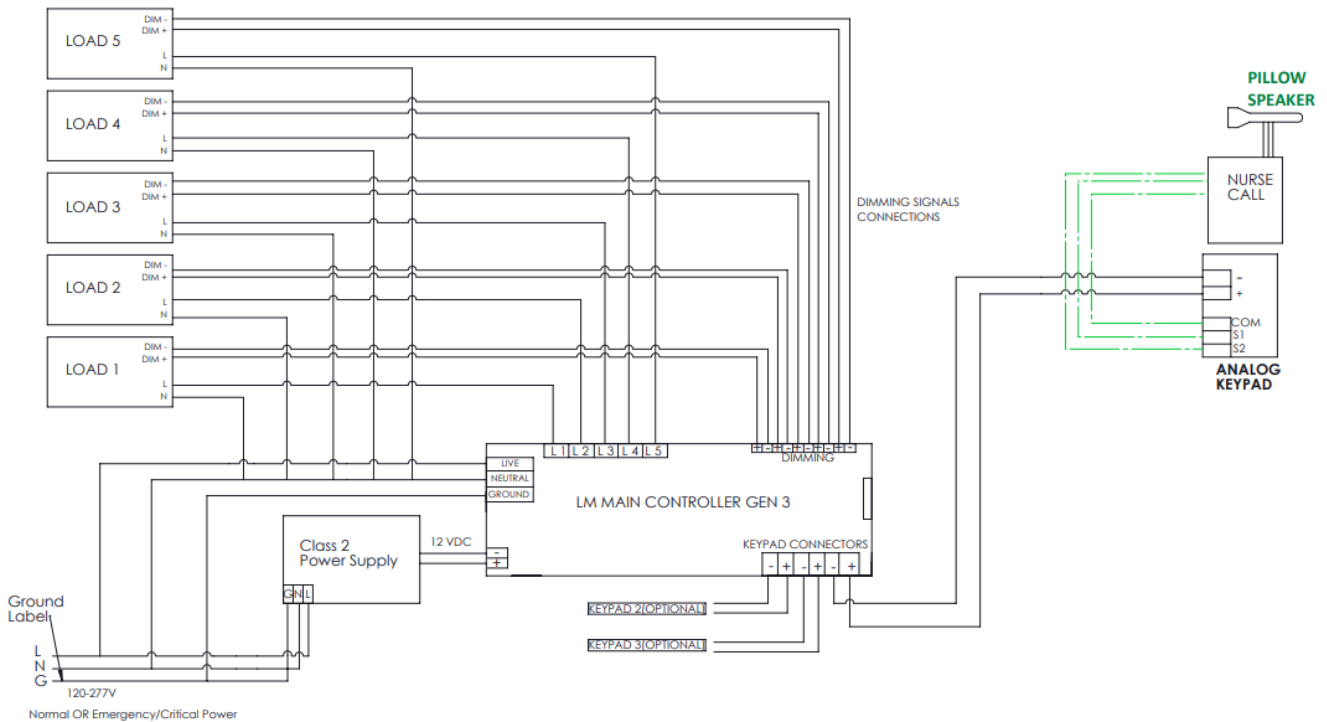**Keypad**

Wiring Drawings

NOTE: Standard Wiring Diagram is shown. Contact the factory for custom requirements.

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

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	5VDC, 200 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	One (1) Gang
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 that is proven to be defective at Amico Lights Corporation's cost. Furthermore, Amico Lights Corporation will warrant its material to be free from defects 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 warranty claims must first be approved by Amico Lights Corporation. A valid Return Goods Authorization (RGA) number must be obtained from Amico Lights Corporation before the commencement of any service work. Warranty work that has not been pre-authorized by Amico Lights Corporation will not be reimbursed.

Amico Lights Corporation
122-B East Beaver Creek Road, Richmond Hill, ON L4B 1G6, Canada
Toll-Free Phone: 1.877.462.6426
Toll Free Fax: 1.866.440.4986
Tel: 905.764.0800
Fax: 905.764.0862

FAQs

Q: What tools/materials are required for installation?
A: You will need a 1/8 Flat Head Screwdriver, Silicone Wire Nuts, and a Single gang electrical box for wall installation. Ensure to use an 18/2 shielded cable to connect LightMaster withthe keypad.

Q: How should I clean and disinfect the LightMaster Multifunction Keypad?
A: Use a damp cloth with mild detergent for cleaning. Do not use harsh chemicals or abrasive materials that may damage the keypad.

Q: What should I do if there is a reverse polarity issue during installation?
A: Correct polarity is crucial for proper operation. If reverse polarity occurs, disconnect the power immediately and rectify the wiring connections to avoid damaging the Master Controller.

Documents / Resources

Operating and Maintenance Instructions LightMaster Multifunction Keypad Amico	**Amico BD989 LightMaster Multifunction Keypad** [pdf] Instruction Manual BD989 LightMaster Multifunction Keypad, BD989, LightMaster Multifunction Keypad, Multifunction Keypad, Keypad

References

- ⒜ **Amico Group of Companies | Home Page**
- ⒜ **Lights**
- **User Manual**