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› Baomain AD16 Green Indicator Light User Manual

Baomain AD16-22D-220V

Baomain AD16 Green Indicator Light User Manual

Model: AD16-22D-220V

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Baomain AD16 series Green LED Indicator Light. This industrial signal light is designed for panel mounting and provides clear visual status signaling in various electrical and industrial applications. Please read this manual thoroughly before installation and operation to ensure safe and correct usage.

PRODUCT OVERVIEW

The Baomain AD16 Green Indicator Light is a robust and reliable component for visual signaling. It operates on 220V AC and features a standard 22mm panel mount design for easy integration into control panels and equipment.

Key Features:

- **Universal Voltage Rating:** Designed for 220V AC operation with a current consumption of $\leq 20\text{mA}$, compatible with standard control circuits.
- **Standard 22mm Panel Mount:** Facilitates easy through-hole installation in a 22mm (approximately 7/8") mounting hole.
- **Clear Green Indication:** Provides a distinct green light for visual status signaling.
- **Secure Screw Terminal Connection:** Equipped with reliable screw-type terminal blocks for safe and stable wire connections.
- **Durable Construction:** Made from plastic, ensuring longevity in industrial environments.

Product Images:



Figure 1: Front view of the Baomain AD16 Green Indicator Light, showing the green lens and black housing.



Figure 2: Side view of the indicator light, displaying "BAOMAIN SIGNAL LAMP AD16-22DS LED AC220V $\leq 20\text{mA}$ " and CE marking.



Figure 3: Angled view of the indicator light, highlighting the green lens and the textured grip for installation.



Figure 4: Rear view of the indicator light, showing the two screw terminals for electrical connection.



Figure 5: Dimensional diagram of the indicator light, showing a 22mm (0.86") panel mount diameter and 51mm (2.00") total length.

SPECIFICATIONS

Attribute	Value
Model Number	AD16-22D-220V
Brand	Baomain
Color	Green
Operating Voltage	220V AC
Current Consumption	≤20mA
Mounting Hole Diameter	22mm (approx. 7/8")

Attribute	Value
Light Source Type	LED (Light Emitting Diode)
Material	Plastic
Shape	Round
Product Dimensions	1.12"L x 0.79"W x 2"H
Item Weight	0.09 Kilograms (approx. 2.99 ounces)
UPC	711811415241

SETUP AND INSTALLATION

Proper installation is crucial for the safe and reliable operation of the indicator light. Always ensure power is disconnected before beginning any electrical work.

Required Tools:

- Panel hole punch or drill with 22mm (7/8") hole saw
- Screwdriver (flathead or Phillips, depending on terminal screws)
- Wire strippers
- Multimeter (for verifying voltage)

Installation Steps:

1. **Power Disconnection:** Ensure that the power supply to the circuit where the indicator light will be installed is completely disconnected and locked out. Verify with a multimeter.
2. **Panel Preparation:** Create a 22mm (approximately 7/8") diameter mounting hole in the desired location on your control panel. Ensure the panel thickness is suitable for the indicator light's mounting mechanism.
3. **Mounting the Light:** Insert the indicator light into the prepared hole from the front of the panel. Secure it in place using the provided locking nut or threaded collar on the rear side of the panel. Tighten firmly but do not overtighten.
4. **Wiring:**
 - Strip approximately 5-7mm of insulation from the ends of the 220V AC power wires.
 - Loosen the screw terminals on the rear of the indicator light.
 - Insert one stripped wire into each terminal. The AD16 indicator light is non-polarized for AC voltage, so either wire can go into either terminal.
 - Tighten the terminal screws securely to ensure a good electrical connection. Gently tug on the wires to confirm they are firmly held.
5. **Verification:** Double-check all connections for proper insulation and secure fastening. Ensure no bare wires are exposed.
6. **Power Restoration:** Once installation is complete and verified, restore power to the circuit. The indicator light should illuminate if the circuit is active.

Note: It is recommended that electrical installation be performed by a qualified electrician to ensure compliance with local electrical codes and safety standards.

OPERATION

The Baomain AD16 Green Indicator Light functions as a visual signal to indicate the status of an electrical circuit or equipment. When connected to a 220V AC power source, the internal LED will illuminate green.

- **On/Off Indication:** The light will be ON when power is supplied to its terminals and OFF when power is removed.
- **Status Monitoring:** Use the green light to signify various states such as "Power ON," "System Active," "Process Running," or other operational statuses as defined by your application.

The bright green LED ensures clear visibility, even in well-lit environments, allowing for quick and easy monitoring of equipment status.

MAINTENANCE

The Baomain AD16 Green Indicator Light is designed for low maintenance. However, periodic checks can help ensure its continued reliable operation.

- **Cleaning:** If the lens becomes dirty, gently wipe it with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the plastic.
- **Connection Check:** Periodically inspect the wiring connections to ensure they remain tight and free from corrosion. *Always disconnect power before checking connections.*
- **Environmental Conditions:** Ensure the operating environment remains within suitable parameters (e.g., temperature, humidity) to prevent premature failure.
- **Replacement:** If the LED fails to illuminate or flickers, the unit may need replacement. Due to its sealed design, individual LED replacement is not feasible.

TROUBLESHOOTING

If your Baomain AD16 Green Indicator Light is not functioning as expected, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not illuminate	<ul style="list-style-type: none">• No power to the circuit.• Loose or incorrect wiring.• Faulty indicator light.• Incorrect voltage applied.	<ul style="list-style-type: none">• Verify power supply to the circuit using a multimeter.• Check all wiring connections for tightness and correct polarity (though non-polarized for AC, ensure secure connection).• If power and wiring are correct, the light may be faulty and require replacement.• Ensure the applied voltage is 220V AC.
Light flickers or is dim	<ul style="list-style-type: none">• Unstable power supply.• Loose connection.• Approaching end of LED lifespan.	<ul style="list-style-type: none">• Check the stability of the 220V AC power source.• Inspect wiring connections for looseness and re-tighten if necessary.• Consider replacing the unit if it's been in service for a long time.

WARRANTY AND SUPPORT

Baomain products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Baomain website or contact your authorized dealer. Keep your purchase receipt for warranty claims.

For further assistance, you may visit the Baomain Store on Amazon: [Baomain Store](#)