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Othmro OTH190809D-0086

Othmro AD16 Series LED Indicator Light with Buzzer

Model: OTH190809D-0086

1. Introduction

The Othmro AD16 Series LED Indicator Lights are designed with high-brightness LED chips, offering a long service life and low energy consumption. These units are lightweight and serve as visual and audible indicators for various electrical and mechanical systems.

They are primarily used to monitor and alarm the operational status of equipment, indicate power status, or show specific operating conditions. Common applications include marine systems, machine tools, industrial machinery, switch cabinets, power distribution cabinets, electrical control panels (such as HVAC panels), and DIY projects like PLC training.

2. Safety Information

Before installation or operation, please read and understand all instructions. Ensure that all electrical work is performed by qualified personnel and complies with local electrical codes and regulations.

- **Voltage:** This product operates on AC/DC 24V. Verify that the power supply matches the specified voltage to prevent damage to the unit or electrical system.
- **Power Disconnection:** Always disconnect power to the circuit before installing, servicing, or removing the indicator light to avoid electrical shock.
- **Wiring:** Ensure all connections are secure and properly insulated to prevent short circuits.
- **Environment:** Do not expose the product to excessive moisture, extreme temperatures, or corrosive environments unless specifically rated for such conditions.

3. Product Features

- **Indicator Type:** Flashing RED LED with intermittent buzzer.
- **Mounting Diameter:** Industrial standard 22mm (7/8").
- **Visibility & Audibility:** High brightness LED and loud buzzer for clear recognition.
- **Panel Thickness:** Includes a panel locking nut, suitable for panel thickness up to 6mm.
- **Connection:** Screw-clamp terminals provide firm contact for reliable operation.
- **Durability:** Tested for over 30,000 hours of use, ensuring steady performance.

4. Package Contents

Each package typically contains:

- 10 x Othmro AD16 Series LED Indicator Lights with Buzzer (Red, AC/DC 24V, 22mm)



This image displays a set of ten Othmro AD16 Series LED indicator lights, each featuring a red lens and an integrated buzzer. The units are shown in a semi-circular arrangement, highlighting the quantity included in the package.



This image shows ten Othmro AD16 Series LED indicator lights with buzzers. Several units are standing vertically, while others are laid horizontally, providing a view of the product's form factor. The text '10pcs' is visible in the upper right corner, indicating the quantity.

5. Setup and Installation

Follow these steps for proper installation of the AD16 Series LED Indicator Light:

1. **Prepare Panel:** Drill a 22mm (7/8") diameter hole in the desired mounting location on your control panel. Ensure the panel thickness does not exceed 6mm.
2. **Insert Indicator:** Insert the indicator light through the drilled hole from the front of the panel.
3. **Secure with Nut:** From the back of the panel, thread and tighten the included panel locking nut onto the indicator light to secure it firmly in place.
4. **Wiring:** Connect the AC/DC 24V power supply to the screw-clamp terminals on the back of the indicator. Ensure correct polarity if applicable for DC circuits, though these units are typically non-polar for AC/DC. Tighten the screws to ensure a firm electrical connection.



A detailed view of a single Othmro AD16 Series LED indicator light. The red cap has been unscrewed, exposing the internal circuitry and the small black buzzer component located within the unit. This view helps in understanding the internal structure and connection points.



This image shows an Othmro AD16 Series LED indicator light securely installed on a dark-colored control panel. It is positioned directly adjacent to an electrical switch, demonstrating a typical application scenario for panel mounting.



A grey electrical control panel is shown with several Othmro AD16 Series LED indicator lights installed. The panel features green, red, blue, and yellow indicators, along with toggle switches and a digital display, illustrating a complex control system application.

Your browser does not support the video tag.

This video provides a visual guide to the installation process and demonstrates the operational characteristics of the Othmro AD16

Series LED Indicator Light. It shows how the unit can be flush-mounted onto a panel and its light output.

6. Operating Instructions

Once properly installed and connected to an AC/DC 24V power source, the Othmro AD16 Series LED Indicator Light will function as follows:

- **Visual Indication:** The red LED will flash intermittently when power is supplied to the unit, providing a clear visual signal of the monitored condition or equipment status.
- **Audible Alarm:** Simultaneously, the integrated buzzer will emit an intermittent sound, providing an audible alert in conjunction with the visual signal.
- **Purpose:** These indicators are designed to provide immediate feedback on critical states, such as power on/off, fault conditions, or specific operational phases in industrial, automotive, or DIY electrical systems.



An Othmro AD16 Series LED indicator light is shown fully illuminated in a dark setting. The bright red light emanates from the unit, reflecting on the surface below, illustrating its high visibility during operation.

7. Maintenance

The Othmro AD16 Series LED Indicator Lights are designed for low maintenance due to their long-life LED technology. However, periodic checks can ensure optimal performance:

- **Cleaning:** If necessary, gently wipe the surface of the indicator light with a soft, dry cloth to remove dust or debris. Avoid using abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect the screw-clamp connections to ensure they remain tight and free from corrosion. Loose connections can lead to intermittent operation or failure.
- **Environmental Inspection:** Ensure the operating environment remains within the product's specified conditions to prevent premature wear or damage.

8. Troubleshooting

If the indicator light or buzzer is not functioning as expected, consider the following:

- **No Light/Sound:**
  - Verify that the power supply (AC/DC 24V) is active and correctly connected to the indicator's terminals.
  - Check all wiring connections for tightness and proper contact.
  - Ensure the indicator light is not damaged.
- **Dim Light/Weak Sound:**
  - Confirm that the input voltage is stable and matches the specified 24V. Fluctuations or lower voltage can affect performance.
  - Inspect for any partial short circuits or high resistance in the wiring.
- **Intermittent Operation:**
  - Check for loose wiring connections or damaged insulation.
  - Ensure the panel mounting nut is securely fastened.

If issues persist after performing these checks, contact customer support for further assistance.

9. Specifications

Specification	Detail
Brand	Othmro
Model Number	OTH190809D-0086
Material	Copper
Finish Type	Powder Coated
Light Source Type	Light Emitting Diode (LED)
Power Source	Corded Electric
Voltage	AC/DC 24 Volts
Mounting Type	Panel Mount
Bulb Features	Flashing

Mounting Diameter	22mm (7/8")
Max Panel Thickness	6mm
Item Weight	6.5 ounces
Package Dimensions	7.36 x 4.53 x 2.24 inches

10. Warranty and Support

Warranty Information: Specific warranty details for the Othmro AD16 Series LED Indicator Light with Buzzer are not provided in this manual. Please refer to the product packaging, the official Othmro website, or your point of purchase for comprehensive warranty terms and conditions.

Customer Support: For technical assistance, troubleshooting beyond this guide, or inquiries regarding your product, please contact Othmro customer support through their official website or the contact information provided with your purchase.

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