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Leviton MS302-DS

Leviton MS302-DS Manual Motor Controller User Manual

30 Amp, 600 Volt, Double-Pole, Single Phase AC Manual Motor Controller

Product Overview

The Leviton MS302-DS is a robust, industrial-grade manual motor controller designed for safe and reliable control of various motor loads. It functions as a manual ON/OFF switch and is suitable for use as a motor disconnect. This device is engineered to meet high production standards, offering versatility and reliability for demanding applications.

Key Features

- Provides safe, reliable control of a variety of motor loads; suitable for use as motor disconnect.
- Fits in standard wall box.
- Accepts back or side wiring, terminal clamps or ring terminals.
- Oversized toggle provides clear actuation feedback and long-lasting durability.
- Nickel-plated #10 triple-combination terminal screws for corrosion resistance.

What's in the Box

- One (1) Leviton MS302-DS Manual Motor Controller.

Setup & Installation

Proper installation of the Leviton MS302-DS Manual Motor Controller is critical for safety and optimal performance. Always ensure power is disconnected before beginning any installation work.

Safety Precautions

- **WARNING:** Disconnect power at the circuit breaker or fuse before installing or servicing. Failure to do so may result in serious injury or death.
- Installation should be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the product's voltage and amperage ratings match your application requirements.

Wiring Instructions

The MS302-DS supports both back and side wiring. Use #10 triple-combination terminal screws for secure connections. The device is suitable as a motor disconnect.
Refer to the diagrams below for typical wiring connections. Note that this device may wire differently than a standard light

switch and requires careful attention to connections.



Figure 1: Back view of the MS302-DS, highlighting wiring terminals and important notice regarding use with a 30A time delay fuse.



Figure 2: Front view of the MS302-DS, showcasing the robust toggle switch and product ratings.

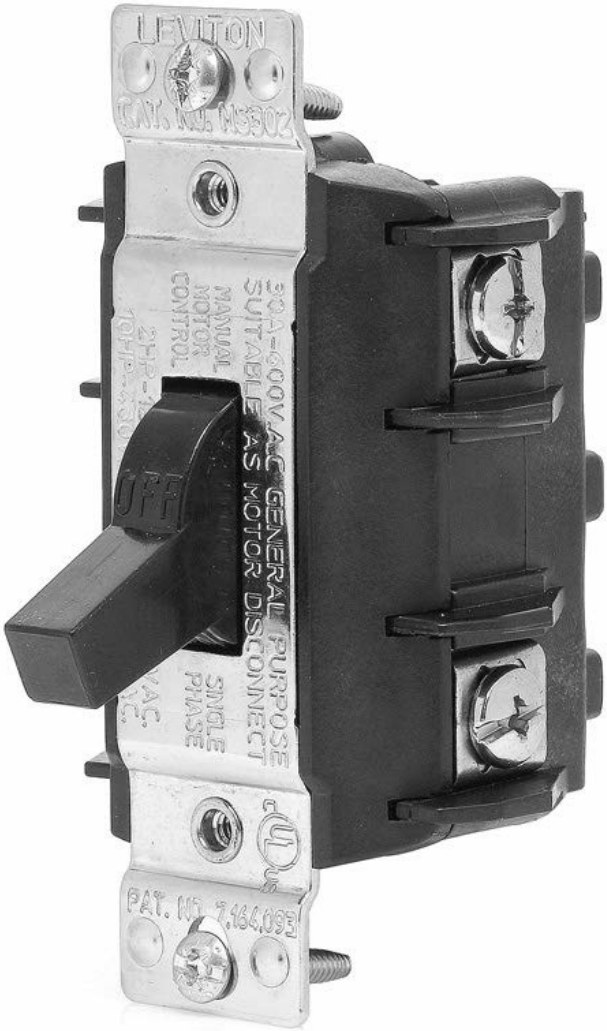

Figure 3: Side view of the MS302-DS, illustrating its dimensions and mounting tabs for installation in a standard wall box.

The device fits in a standard wall box, but ensure sufficient depth for wiring. The terminal clamps or ring terminals provide flexibility for connection methods.

Operating Instructions

The Leviton MS302-DS is a manual motor controller designed for simple ON/OFF switching control of various motor loads.

Basic Operation

1. To turn the connected motor load **ON**, firmly push the oversized toggle switch to the "ON" position.
2. To turn the connected motor load **OFF**, firmly push the oversized toggle switch to the "OFF" position.

The oversized toggle provides clear actuation feedback, indicating the switch's position.

Typical Applications

This motor controller is suitable for manual ON/OFF switching control of equipment such as:

- Bottling lines
- Pumping machines
- Air compressors
- Other heavy manufacturing equipment

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Video 1: An overview of Leviton Manual Motor Controllers, demonstrating their features and applications in various industrial settings.

Maintenance

The Leviton MS302-DS is designed for durability and reliability with minimal maintenance. However, periodic checks are recommended to ensure continued safe operation.

- **Power Disconnection:** Always disconnect power to the circuit before performing any maintenance or inspection.
- **Cleaning:** Clean the exterior of the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring connections to ensure they remain tight and free from corrosion. The nickel-plated hardware is designed to resist corrosion, but environmental factors can still affect it over time.
- **Toggle Operation:** Ensure the toggle switch moves freely and provides clear tactile feedback when switching between ON and OFF positions.

Troubleshooting

If you experience issues with your Leviton MS302-DS Manual Motor Controller, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not turn ON/OFF	No power to the circuit	Check the circuit breaker or fuse for the circuit. Ensure power is restored.
Motor does not operate	Incorrect wiring or loose connections	**WARNING:** Disconnect power. Verify all wiring connections are correct and secure. Refer to the "Wiring Instructions" section.
Toggle switch feels stiff or stuck	Debris or damage to the mechanism	**WARNING:** Disconnect power. Inspect for any obstructions. If damaged, the unit may need replacement.
Corrosion on terminals	Exposure to harsh environments	**WARNING:** Disconnect power. Clean terminals carefully. If severe, consider replacing the unit or consulting a professional.

If issues persist after attempting these steps, contact Leviton customer support or a qualified electrician.

Specifications

Attribute	Detail
Brand	Leviton
Model Number	MS302-DS
Amperage	30 Amp
Voltage	600 Volts AC Max

Attribute	Detail
Poles	Double-Pole
Phase	Single Phase
Material	Plastic
Mounting Type	Wall Mount
Dimensions	4 x 4 x 4 inches; 3.2 ounces
Suitable As	Motor Disconnect
Terminal Type	2p6t (Accepts back or side wiring, terminal clamps or ring terminals)
Date First Available	February 26, 2009

Warranty & Support

Leviton Power Switch Manual Motor Controllers are backed by an industry-leading limited 10-year warranty, ensuring long-term reliability and customer satisfaction.
For technical assistance, product inquiries, or warranty claims, please visit the official Leviton website or contact their customer support directly. You can find more information and support resources at the Leviton Store on Amazon.

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Question

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Details

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