RIDGID 12313

RIDGID 12313 Toggle Switch Instruction Manual

Model: 12313

1. Introduction

This manual provides comprehensive instructions for the proper installation, operation, and maintenance of the RIDGID 12313 Toggle Switch. This switch is designed for reliable ON-OFF control in various electrical applications, offering durability and ease of use. Please read this manual thoroughly before installation and operation to ensure safe and efficient use of the product.

Figure 1: The RIDGID 12313 Toggle Switch, a black switch with a metal lever, designed for ON-OFF operation.

2. Safety Information

Always adhere to the following safety guidelines to prevent injury or damage to the product:

- **Disconnect Power:** Always ensure that the power supply to the circuit is disconnected before attempting any installation, maintenance, or troubleshooting. Failure to do so can result in electric shock or severe injury.
- **Qualified Personnel:** Installation and wiring should only be performed by qualified electricians or technicians familiar with electrical systems and local electrical codes.
- **Proper Tools:** Use appropriate insulated tools for electrical work.
- **Environmental Conditions:** Do not install the switch in environments exceeding its specified IP67 rating for

water and dust resistance.

- **Inspect for Damage:** Before installation, inspect the switch for any visible damage. Do not install a damaged switch.

3. Setup and Installation

The RIDGID 12313 Toggle Switch is designed for surface mounting and features screw terminals for secure electrical connections.

3.1. Tools Required

- Screwdriver (appropriate size for screw terminals)
- Wire strippers
- Voltmeter or circuit tester
- Mounting screws (not included, suitable for surface material)

3.2. Installation Steps

1. **Power Disconnection:** Ensure all power to the circuit where the switch will be installed is turned OFF at the main breaker or fuse box. Verify with a voltmeter.
2. **Mounting Location:** Select a suitable surface for mounting the switch. Ensure it is clean, dry, and provides adequate support.
3. **Secure Mounting:** Position the switch on the desired surface. Use appropriate mounting screws through the designated mounting holes to firmly secure the switch.
4. **Wire Preparation:** Strip approximately 1/4 to 1/2 inch (6-12 mm) of insulation from the ends of the electrical wires that will connect to the switch.
5. **Terminal Connection:** Loosen the screw terminals on the switch. Insert the stripped wire ends into the appropriate terminals (typically marked for input and output, or line and load). Ensure no stray wire strands are exposed.
6. **Tighten Terminals:** Securely tighten the screw terminals to ensure a good electrical connection. Do not overtighten.
7. **Quick Connect (if applicable):** If using quick connect terminals, ensure the connectors are fully seated and secure.
8. **Verify Connections:** Double-check all wiring connections for tightness and correct polarity.
9. **Restore Power:** Once installation is complete and verified, restore power to the circuit.

4. Operating Instructions

The RIDGID 12313 Toggle Switch operates in a simple ON-OFF mode.

- **ON Position:** Push the toggle lever to one side (e.g., UP) to close the circuit and allow electrical current to flow, activating the connected device.
- **OFF Position:** Push the toggle lever to the opposite side (e.g., DOWN) to open the circuit and interrupt electrical current, deactivating the connected device.

The switch has 2 positions, clearly indicating its current state.

5. Maintenance

The RIDGID 12313 Toggle Switch requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the switch with a clean, dry cloth. Avoid using abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the switch and its wiring for any signs of wear, damage, or loose connections. Address any issues promptly.
- **Environmental Protection:** Ensure the switch remains within its specified operating environment to maintain its IP67 rating.

6. Troubleshooting

If you encounter issues with your RIDGID 12313 Toggle Switch, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Switch does not activate device	No power to circuit; Loose wiring; Faulty device	Check power supply; Inspect and tighten all connections; Test the connected device separately.
Switch feels loose or wobbly	Loose mounting screws	Tighten mounting screws.
Visible damage to switch	Physical impact; Environmental exposure	Replace the switch immediately. Do not use a damaged switch.

7. Specifications

Below are the technical specifications for the RIDGID 12313 Toggle Switch:

Feature	Detail
Model	12313
Brand	RIDGID
Switch Type	Toggle Switch
Operation Mode	ON-OFF
Number of Positions	2
Mounting Type	Surface Mount
Terminal Type	Screw, Quick Connect
Material	Plastic (Body), Brass (Contact Material)
Contact Type	Normally Open
Circuit Type	Series
Insulation Resistance	100 Megaohms
International Protection Rating	IP67
Compatible Devices	Any Electrical Device
Item Weight	0.06 Pounds

Feature	Detail
UPC	095691123138, 719918337527

8. Warranty and Support

RIDGID products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or visit the official RIDGID website. For technical support, replacement parts, or further assistance, please contact RIDGID customer service through their official channels.

This manual is subject to change without notice. The latest version can be found on the manufacturer's website.