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DEWIN ZJJAN0903

DEWIN Crane Hoist Push Button Switch Control

Model ZJJAN0903 Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective use of your DEWIN Crane Hoist Push Button Switch Control, Model ZJJAN0903. This device is designed for controlling hoists and cranes, offering reliable operation with an integrated emergency stop function. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. Safety Information

Important Safety Notes:

- This switch does not directly control the crane or hoist motor. It must be used in conjunction with a suitable contactor or control circuit.
- The emergency stop button is equipped with a normally closed contact, ensuring that the circuit is interrupted when activated.
- Installation and wiring should only be performed by qualified personnel in accordance with local electrical codes and safety regulations.
- Always disconnect power before performing any installation, maintenance, or inspection.
- Ensure the control unit is securely mounted or held during operation to prevent accidental drops or damage.
- Do not operate the control unit if it is damaged or malfunctioning.
- Regularly inspect the unit for signs of wear, damage, or loose connections.

3. Product Overview

The DEWIN Crane Hoist Push Button Switch Control is a robust pendant control unit designed for industrial lifting applications. It features durable ABS plastic construction and clearly marked buttons for intuitive operation.



Figure 3.1: Front view of the DEWIN Crane Hoist Push Button Switch Control. This image displays the main body, the cable entry point, and the three primary control buttons: Up, Down, and the red Emergency Stop button.



Figure 3.2: Angled view of the control unit, providing a clearer perspective of the button layout and the robust ABS plastic casing.



Figure 3.3: Close-up of the prominent red emergency stop button, designed for immediate cessation of operation in critical situations.



Figure 3.4: Front and back views of the control unit, showing the overall design and the smooth rear casing.

Key Features:

- Durable ABS plastic housing for industrial environments.
- Clearly marked Up and Down push buttons.
- Prominent red emergency stop button for immediate safety.
- IP54 protection rating, offering protection against dust and splashing water.

4. Specifications

Feature	Specification
Brand	DEWIN
Model Number	ZJJAN0903
Material	ABS Plastic
Contact Type	Normally Closed (Emergency Stop)
Button Colors	Black, White, Red (Emergency Stop)
Contact Rated Current	2A - 5A
Operating Voltage	250V - 500V
Protection Rating	IP54
Dimensions (L x W)	31.5 cm x 7.6 cm (12.4 in x 2.9 in)
Item Weight	478 g (approx.)
Country of Origin	China



Figure 4.1: Dimensional drawing of the control unit.

5. Setup and Installation

The DEWIN Crane Hoist Push Button Switch Control is designed for integration into an existing crane or hoist control system. It acts as a user interface and requires connection to a suitable contactor or motor control circuit.

1. **Professional Installation:** Due to the electrical nature and safety requirements of crane and hoist systems, installation and wiring must be performed by a qualified electrician or technician.
2. **Power Disconnection:** Ensure all power to the crane/hoist system is completely disconnected and locked out before beginning any installation work.
3. **Wiring:** Connect the control unit's wires to the appropriate terminals of your contactor or control panel. Refer to the wiring diagram of your specific crane/hoist system and the control unit's internal wiring (if provided, typically accessible upon opening the casing). Ensure correct polarity and secure connections.
4. **Mounting:** The control unit is typically suspended or held by the operator. Ensure the cable entry point is properly sealed to maintain the IP54 rating.
5. **Testing:** After installation, carefully test all functions (Up, Down, Emergency Stop) in a controlled environment before full operation. Verify that the emergency stop immediately cuts power to the hoist motor.

6. Operating Instructions

Once properly installed and tested, the DEWIN Crane Hoist Push Button Switch Control provides straightforward operation.

- **Power On:** Ensure the main power to the crane/hoist system is on and the control unit is connected.
- **Up Button:** Press and hold the button marked with an upward arrow (typically white or black) to raise the hoist. Release the button to stop the upward movement.
- **Down Button:** Press and hold the button marked with a downward arrow (typically black) to lower the hoist. Release the button to stop the downward movement.
- **Emergency Stop:** In case of an emergency or unexpected movement, firmly press the large red emergency stop button. This will immediately cut power to the hoist motor. To reset the emergency stop, twist the button clockwise until it pops out.

Always maintain a clear line of sight to the load and surrounding area during operation. Do not exceed the rated capacity of your hoist system.

7. Maintenance

Regular maintenance helps ensure the longevity and safe operation of your control unit.

- **Cleaning:** Wipe the exterior of the control unit with a damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the casing.
- **Inspection:** Periodically inspect the control unit for:
  - Cracks or damage to the ABS plastic housing.
  - Wear or damage to the control cable and its entry point.
  - Proper function of all buttons, especially the emergency stop.
  - Secureness of all connections (only to be checked by qualified personnel with power disconnected).
- **Storage:** When not in use, store the control unit in a clean, dry place, away from direct sunlight and extreme temperatures.

8. Troubleshooting

If you encounter issues with your DEWIN Crane Hoist Push Button Switch Control, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Hoist does not respond to button presses.	1. No power to the hoist system. 2. Emergency stop button is engaged. 3. Loose or incorrect wiring. 4. Faulty contactor or control circuit.	1. Check main power supply to the hoist. 2. Reset the emergency stop button by twisting it clockwise. 3. Inspect wiring connections (by qualified personnel). 4. Consult a qualified technician to inspect the contactor/control circuit.
Emergency stop button does not reset.	Button mechanism is jammed or damaged.	Do not force. Inspect for obstructions. If damaged, replace the control unit or consult a technician.
Intermittent operation.	Loose wiring connections or internal component issue.	Have a qualified technician inspect all wiring and internal components.

If the problem persists after attempting these solutions, contact a qualified technician or DEWIN customer support for further assistance.

9. Warranty and Support

Warranty Information: Specific warranty details for the DEWIN Crane Hoist Push Button Switch Control (Model ZJJAN0903) may vary by region and retailer. Please refer to your purchase documentation or contact your point of sale for precise warranty terms and conditions.

Customer Support: For technical assistance, troubleshooting beyond this manual, or inquiries regarding parts and service, please contact DEWIN customer support through the retailer where the product was purchased or visit the official DEWIN website for contact information.

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