Walfront COB-61DR

Walfront COB-61DR Crane Push Button Switch User Manual

Model: COB-61DR | Brand: Walfront

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Walfront COB-61DR Crane Push Button Switch. Please read this manual thoroughly before use to ensure proper functionality and safety.

SAFETY INFORMATION

Adherence to safety guidelines is paramount when working with electrical equipment. Failure to follow these instructions may result in injury or equipment damage.

- Always ensure power is disconnected from the equipment before performing any installation, wiring, or maintenance procedures.
- The switch features a self-resetting mechanism and robust mechanical interlocking for secure operation. Do not attempt to bypass these safety features.
- This device is equipped with an emergency stop function. Familiarize yourself with its location and operation for immediate cessation of activity in critical situations.
- Ensure all wiring is performed by qualified personnel in accordance with local electrical codes and product specifications.
- This product is designed for industrial applications. Only trained and authorized personnel should install and service this equipment.

PRODUCT OVERVIEW

The Walfront COB-61DR is a durable and reliable push button switch specifically engineered for controlling crane and hoist movements. Its robust construction and thoughtful design ensure stable and safe performance in demanding industrial environments.

Key Features

- **Enhanced Safety:** Features self-resetting performance and a robust mechanical interlocking mechanism for secure operation.

- **Durable Design:** The hoist switch shell is crafted from high-quality ABS plastic, ensuring a sleek appearance and a sturdy structure that withstands daily industrial use.
- **Protection:** Equipped with a rubber cable sleeve and strip, this switch offers excellent sealing and performance for long-lasting durability, protecting against environmental factors.
- **Versatile Application:** Ideal for small cranes, electric hoists, and other lifting equipment, simplifying control circuits and enhancing mechanical strength.
- **Emergency Stop:** Includes an emergency stop switch for immediate and safe operation cessation, crucial for any industrial setting.

Components

Image 1: Front view of the Walfront COB-61DR Crane Push Button Switch, highlighting its yellow casing and the product specification label.

Image 2: Rear view of the switch, illustrating the cable entry point and overall ergonomic design.

01 Waterproof Joint

Made of nylon material, strong and durable, good corrosion resistance

02 Operation Button

Button switch, button head with obvious indication title, intuitive and convenient, not easy to wear.

Image 3: Detailed view of the waterproof joint made of nylon material and the clearly marked operation buttons (Up/Down arrows).

Image 4: Close-up of the intuitive Up and Down push buttons, designed for easy and clear operation.

SPECIFICATIONS

Specification	Value
Product Model	COB-61DR
Shell Material	ABS Plastic
Product Current	5A/2A
Product Voltage	DC200V/AC380V
Capacitance	30uF
Applicable Frequency	AC 50Hz/60Hz

Protection Class	IP65 (Rain-proof, water-proof, dust-proof)
Item Weight	13 ounces
Product Dimensions	0.39 x 0.39 x 0.39 inches (approximate)
Switch Style	Push Button Switch

Image 5: The switch demonstrating its IP65 protection class, indicating resistance to rain, water, and dust.

SETUP AND INSTALLATION

Installation of the Walfront COB-61DR switch must only be performed by qualified electricians or technicians. Ensure all local electrical codes and safety regulations are strictly followed.

Wiring Instructions

1. **Disconnect Power:** Before beginning any installation, ensure all power to the equipment and circuit is completely disconnected and locked out.
2. **Identify Wires:** Identify the control circuit wires for your crane or hoist system (e.g., Up, Down, Common,

Emergency Stop, etc.).

3. **Open Casing:** Carefully open the switch casing to access the internal terminals.

4. **Connect Wires:** Connect the corresponding control wires to the designated terminals inside the switch. Refer to the wiring diagram provided with your specific crane or hoist system for accurate terminal assignments.

5. **Secure Connections:** Ensure all electrical connections are tight, secure, and properly insulated to prevent short circuits or loose contacts.

6. **Close Casing:** Close the switch casing, ensuring the rubber cable sleeve is correctly seated to maintain the IP65 protection rating against dust and water ingress.

7. **Test Functionality:** Reconnect power and carefully test the switch functionality to confirm correct operation of all buttons.

Warning: Incorrect wiring can lead to equipment malfunction, electric shock, or serious injury. If you are unsure about any step, consult a professional electrician or technician.

OPERATING INSTRUCTIONS

The COB-61DR switch is designed for intuitive and straightforward control of crane and hoist movements.

Basic Operation

1. To initiate upward movement of the hoist/crane, press and hold the button marked with an **upward arrow**. Release the button to stop the movement.

2. To initiate downward movement of the hoist/crane, press and hold the button marked with a **downward arrow**. Release the button to stop the movement.

3. All operational buttons are self-resetting, meaning they automatically return to their neutral (off) position when released.

Emergency Stop

In the event of an emergency, unexpected equipment behavior, or any unsafe condition, immediately press the designated emergency stop button (if present and wired into your system). This action will cut power to the controlled equipment, bringing it to an immediate halt.

MAINTENANCE

Regular and proper maintenance will ensure the longevity, reliability, and safe operation of your Walfront COB-61DR switch.

- **Cleaning:** Periodically wipe the exterior of the switch with a clean, soft, damp cloth. Do not use abrasive cleaners, harsh chemicals, or solvents, as these can damage the ABS plastic casing.

- **Visual Inspection:** Regularly inspect the switch casing for any signs of physical damage, cracks, excessive wear, or deformation. Check the cable entry point to ensure the rubber sleeve is intact and properly seated, maintaining IP65 protection.

- **Electrical Connections:** With the power disconnected, periodically inspect all electrical connections inside the switch to ensure they remain tight and free from corrosion. This task should only be performed by qualified personnel.

- **Functionality Test:** Periodically test the functionality of all push buttons, including the emergency stop, to confirm they operate smoothly and correctly.

Caution: Do not attempt to open or repair the sealed internal components of the switch unless you are a qualified technician. Tampering with the device may void the warranty and compromise its safety features and protection rating.

TROUBLESHOOTING

If you encounter any issues with your Walfront COB-61DR switch, refer to the following common problems and their potential solutions. Always ensure power is disconnected before inspecting wiring.

Problem	Possible Cause	Solution
Switch does not respond	No power to the control circuit; Loose or disconnected wiring; Emergency stop engaged; Internal component failure.	Check the main power supply and circuit breaker. Inspect all wiring connections (with power off). Ensure the emergency stop button is disengaged. If the problem persists, consult a qualified technician.
Buttons feel stiff or sticky	Accumulation of dirt, dust, or debris; Mechanical wear or damage.	Clean the exterior of the buttons and surrounding areas. If the issue persists, the internal mechanism may require professional inspection or replacement.
Intermittent operation	Loose or corroded wiring connections; Faulty internal contact.	With power off, inspect and secure all wiring connections. Check for any signs of corrosion. If the problem continues, professional diagnosis and repair are recommended.

APPLICATIONS

The Walfront COB-61DR Crane Push Button Switch is a versatile control device suitable for a wide range of industrial applications that require precise and reliable control of lifting mechanisms.

- Small Cranes
- Electric Hoists
- General Industrial Cranes
- Various Lifting Equipment and Machinery

Applications

Image 6: Examples of typical applications for the COB-61DR switch, including small cranes, electric hoists, and other lifting machinery.

Image 7: The Walfront COB-61DR switch positioned in front of a large crane, illustrating its intended use in heavy-duty industrial environments.
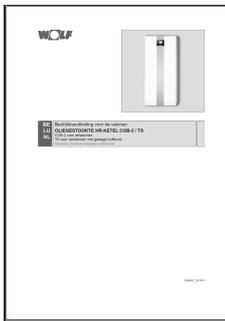
WARRANTY AND SUPPORT

Walfront products are manufactured to high-quality standards. For specific warranty information regarding your COB-61DR switch, please refer to the documentation included with your purchase or contact Walfront customer service directly.

For technical support, product inquiries, or to explore other Walfront products, please visit the official Walfront store:

Walfront Store on Amazon

Related Documents - COB-61DR

[WOLF COB-2 / TS: Bedrijfshandleiding voor Vakmensen | Installatie & Techniek](#)
Gedetailleerde bedrijfshandleiding voor de WOLF COB-2 oliegestookte HR-ketel en TS gelaagde boiler. Bevat installatie-, configuratie- en onderhoudsinstructies voor professionals.

[Supertech Lights Digital RGB COB LED Strip Light NS-COB-784-24-D - Technical Specifications](#)
Detailed specifications for the Supertech Lights Digital RGB COB LED Strip Light (Model NS-COB-784-24-D), including features, parameters, waterproof ratings, and installation guide. This high-density LED strip offers 784 chips/m, a 180° beam angle, and RGBW color capabilities.
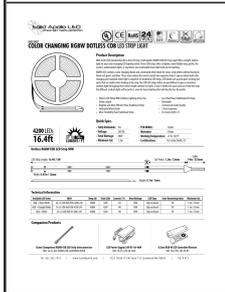

[V-TAC LED Spike Light VT-80070 Instruction Manual](#)
Comprehensive instruction manual for the V-TAC VT-80070 LED Spike Light, covering technical data, installation, warranty, and safety warnings. Learn how to properly install and use your V-TAC LED Spike Light.
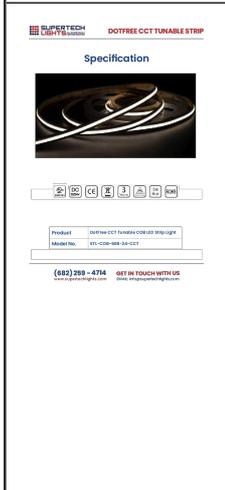

[Brightlink Advanced Spectrum COB LED Video Walls - Product Specification Datasheet](#)
Comprehensive datasheet for Brightlink's Advanced Spectrum COB LED Video Wall Systems (BL-AS-COB-LED series), detailing product features, module and cabinet specifications, and technical installation diagrams for professional display solutions.

[Solid Apollo LED RGBW Dotless COB LED Strip Light - Data Sheet & Installation Guide](#)
Comprehensive data sheet and installation guide for the Solid Apollo LED RGBW Dotless COB LED Strip Light. This 16.4ft (5m), 90W, 24V strip features 4200 LEDs for uniform, dotless illumination, dedicated white diodes, and is fully dimmable. Includes detailed specifications, companion product information, step-by-step installation instructions, safety precautions, and warranty details.

[Supertech Lights DotFree CCT Tunable LED Strip Light Specification](#)
Detailed specifications and features for the Supertech Lights DotFree CCT Tunable COB LED Strip Light (STL-COB-608-24-CCT). Learn about its CCT range, CRI, IP ratings, dimensions, and installation.