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uxcell TBSN-330

uxcell ON OFF Power Push Button Control Switch Box

MODEL: TBSN-330

Instruction Manual

1. Product Overview

The uxcell ON OFF Power Push Button Control Switch Box is a robust electrical component designed for direct control of three-phase motors without the need for an additional magnetic switch. It features a self-locking 'ON' button and a reset 'OFF' button, ensuring reliable and safe operation.

This switch is characterized by its accurate on-off loaded current capability and high mechanical intensity, making it a suitable choice for various industrial applications.



Figure 1: Front view of the uxcell Push Button Control Switch Box. This image displays the front of the uxcell push button switch, highlighting the black 'ON' button and the red 'OFF' button, which are the primary controls for the device.

- **Product Name:** Push Button Switch
- **Voltage/Current:** 380VAC 30A
- **Type:** ON/OFF (ON: Self-Locking. OFF: the ON button will reset)
- **Application:** Widely used in machine tools, textile machinery, and other industrial equipment.

2. Setup and Installation

Proper installation is crucial for the safe and effective operation of the switch. Ensure all power is disconnected before beginning installation.

1. **Mounting:** Securely mount the switch box to a stable surface using appropriate fasteners. The mounting hole diameter is 4mm (0.16 inches).
2. **Wiring:** The switch features screw terminals for easy and secure wiring. Connect the three-phase motor wiring

directly to the designated terminals within the switch box. Refer to the internal wiring diagram if available on the unit.

3. **Enclosure Integrity:** Ensure the enclosure is properly sealed after wiring to protect internal components from dust and moisture.



Figure 2: Internal view of the switch box with wiring terminals. This image reveals the interior of the switch box, displaying the robust screw terminals designed for secure electrical wiring connections. The internal mechanism of the push buttons is also visible.

Important: Ensure all electrical connections comply with local electrical codes and safety standards. If you are unsure about the wiring process, consult a qualified electrician.

3. Operating Instructions

The uxcell Push Button Control Switch is designed for straightforward operation:

- **To Turn ON:** Press the black 'ON' button. This button is self-locking, meaning it will remain depressed and the circuit will stay closed until the 'OFF' button is pressed.
- **To Turn OFF:** Press the red 'OFF' button. Pressing the 'OFF' button will release the 'ON' button from its self-locked

state, opening the circuit and stopping the connected equipment.

4. Maintenance

Regular maintenance helps ensure the longevity and reliable performance of your switch box:

- **Cleaning:** Periodically clean the exterior of the switch box with a dry, soft cloth. Avoid using abrasive cleaners or solvents.
- **Inspection:** Routinely inspect the wiring connections to ensure they remain tight and free from corrosion. Check the integrity of the enclosure for any signs of damage or wear.
- **Environmental Conditions:** Ensure the switch is operating within its specified environmental conditions to prevent premature failure.

Always disconnect power to the switch and connected equipment before performing any maintenance or inspection.

5. Troubleshooting

If you encounter issues with your uxcell Push Button Control Switch, consider the following:

Problem	Possible Cause	Solution
Switch does not turn ON or stay ON	Loose wiring connection; Internal mechanism fault; Overload protection tripped (if applicable to connected system)	Check and tighten all screw terminals. If issue persists, the switch may require replacement. Verify the connected system is not overloaded.
No power transfer to connected equipment	Incorrect wiring; Faulty switch; Power supply issue	Verify wiring against the diagram. Test the power supply to the switch. If the switch is confirmed faulty, replace it.
Difficulty fitting conduit adapters	Conduit holes are too small for standard fittings	Carefully ream or hone the conduit entry holes to the required size, ensuring no damage to the enclosure.

If troubleshooting steps do not resolve the issue, contact customer support or a qualified technician.

6. Specifications

Feature	Detail
Product Name	Push Button Switch
Model	TBSN-330 (a18112500ux0003)
Type	ON/OFF
Voltage / Current	380VAC 30A
Operating Voltage	380 Volts
Current Rating	30 Amps
Operation Mode	ON-OFF

Feature	Detail
Contact Type	Normally Open
Connector Type	Screw
Terminal	Through Hole
Mounting Hole Diameter	4mm / 0.16"
Total Size (Approx.)	105 x 63 x 54mm / 4.13" x 2.48" x 2.12" (L*W*H)
Product Dimensions	4.72 x 2.76 x 2.36 inches; 8.11 ounces
Manufacturer	uxcell
Date First Available	January 2, 2019



Figure 3: Dimensions of the uxcell Push Button Control Switch Box. This image provides a side view of the switch box, illustrating its

physical dimensions: approximately 105mm (4.13 inches) in length, 63mm (2.48 inches) in width, and 54mm (2.12 inches) in height.

7. Warranty Information

Specific warranty details for this product are typically provided at the point of purchase or by the manufacturer. For information regarding warranty coverage, terms, and conditions, please refer to your purchase documentation or contact uxcell directly.

8. Customer Support

For further assistance, technical support, or inquiries regarding the uxcell ON OFF Power Push Button Control Switch Box, please contact uxcell customer service or visit their official store page:

[Visit the uxcell Store on Amazon](#)

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This manual is for informational purposes only. Specifications are subject to change without notice.