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YIJIA YJ-F16Y/F/J-11/22/33BN/ZS

YIJIA 16mm Push Button Switch User Manual

Model: YJ-F16Y/F/J-11/22/33BN/ZS

PRODUCT OVERVIEW

The YIJIA 16mm Push Button Switch is a versatile electrical component designed for various industrial and control applications. Available in round, square, and rectangular shapes, these switches feature a 16mm installation hole diameter and are offered in multiple colors including red, green, yellow, blue, white, and black. They are equipped with silver contacts for reliable performance and are certified by CCC and CE standards, ensuring compliance with safety and quality regulations.

This manual provides essential information for the proper installation, operation, and maintenance of your YIJIA Push Button Switch.



Figure 1: Assortment of YIJIA 16mm push button switches, showcasing different shapes (round, square, rectangular) and colors (red, green, yellow).

SPECIFICATIONS

Attribute	Value
Model Number	YJ-F16Y/F/J-11/22/33BN/ZS
Installation Hole Diameter	16mm
Switch Type	Push Button Switch
Current Rating	5A
Contact Material	Silver Contact
Body Material	Plastic

Attribute	Value
Certifications	CCC, CE
Operation Mode	Momentary (as per product title, if applicable to all models)
Contact Configuration	1NO1NC (as per product title, if applicable to all models)

Note: Specific configurations (e.g., Momentary, 1NO1NC) may vary by individual product variant. Refer to product packaging for exact details.

INSTALLATION

Proper installation is crucial for the safe and reliable operation of the push button switch. Always ensure power is disconnected before beginning installation.

- 1. Prepare the Mounting Hole:** Ensure the panel has a 16mm diameter hole for mounting the switch. The panel thickness should be compatible with the switch's mounting mechanism.
- 2. Insert the Switch:** Carefully insert the switch body through the mounting hole from the front of the panel.
- 3. Secure with Nut:** Thread the retaining nut onto the switch body from the rear of the panel and tighten it securely to hold the switch in place. Do not overtighten.
- 4. Wire the Terminals:** Connect the appropriate wires to the switch terminals. These switches typically feature screw terminals or quick-connect terminals. Refer to the wiring diagram below for common configurations. Ensure all connections are firm and insulated.



Figure 2: Side view of the push button switch, illustrating the mounting nut and terminal connections.

Wiring Diagram (Example for 1NO1NC)

The YIJIA push button switches typically feature multiple terminals for Normally Open (NO) and Normally Closed (NC) contacts, along with common terminals. A common configuration is 1NO1NC.

- **NO (Normally Open):** Circuit is open when the button is not pressed, and closes when pressed.
- **NC (Normally Closed):** Circuit is closed when the button is not pressed, and opens when pressed.

Consult the specific markings on your switch for precise terminal identification.



Figure 3: Angled view of the switch, highlighting the terminal block and certification markings.

OPERATION

Operating the YIJIA push button switch is straightforward. The switch functions by changing the state of its electrical contacts when the button is pressed.

- **Momentary Action:** For momentary switches, the contacts change state only while the button is physically held down. Upon release, the button returns to its original position, and the contacts revert to their initial state.
- **Latching Action (if applicable):** Some variants may offer latching action, where pressing the button changes the contact state and it remains in that state until pressed again. *Verify your specific switch type.*

Ensure the switch is used within its specified current and voltage ratings (e.g., 5A current rating) to prevent damage and ensure safe operation.

MAINTENANCE

YIJIA push button switches are designed for durability and require minimal maintenance. However, periodic checks can extend their lifespan and ensure reliable performance.

- Cleaning:** If the switch surface becomes dirty, gently wipe it with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the plastic material.
- Connection Check:** Periodically inspect the wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to intermittent operation or overheating.
- Environmental Conditions:** Ensure the switch is operating within appropriate environmental conditions (temperature, humidity) as specified for industrial electrical components.

Always disconnect power before performing any maintenance or inspection.

TROUBLESHOOTING

If you encounter issues with your YIJIA push button switch, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch does not activate/deactivate circuit.	<ul style="list-style-type: none">No power to the circuit.Loose or incorrect wiring.Damaged switch contacts.	<ul style="list-style-type: none">Verify power supply.Check all wiring connections against the diagram. Re-secure any loose wires.Inspect switch for visible damage. Replace if necessary.
Button feels stuck or does not return.	<ul style="list-style-type: none">Debris lodged in mechanism.Mechanical damage.	<ul style="list-style-type: none">Carefully inspect for and remove any obstructions.If mechanically damaged, the switch may need replacement.
Intermittent operation.	<ul style="list-style-type: none">Loose wiring connections.Corroded terminals.	<ul style="list-style-type: none">Tighten all terminal screws.Clean terminals if corrosion is present.

If problems persist after attempting these steps, consider consulting a qualified electrician or contacting customer support.

WARRANTY AND SUPPORT

As the brand is listed as "Unknown" and specific warranty information is not provided, please refer to the retailer or point of purchase for details regarding warranty coverage and return policies. For technical support or further inquiries, please contact the seller directly through the platform where the product was purchased.

Always retain your proof of purchase for any warranty claims or support requests.