

DISCLAIMER

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INSTALLING THE MICRO DOOR SWITCH



[ELECTRIC SHOCK HAZARD]

YOSHIMASA highly recommends the unit be installed by a licensed electrician.

Follow all the steps and diagrams numbered 5 to 8 below:



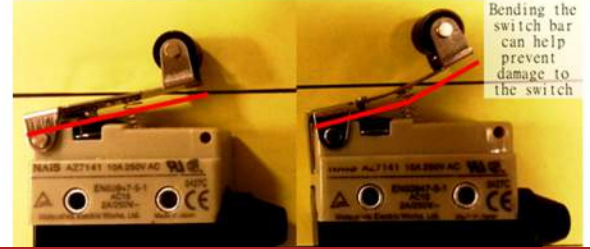
- Disconnect WHITE and BLUE wires by removing white wire connector.
- To attach the (Snap-Action) Micro Switch into the circuit, the WHITE wire should be on COMMON (or COM) screw-type terminal of the switch, and the BLUE wire goes to NORMALLY CLOSED (NC). This is a straightforward manner of how to connect the Micro Switch into the circuit, but you might need some length of wire extension to install the Micro Switch at a specific location of door frame.
- For your reference, a typical 110V AC power cord consists of 3 colored wires; a white, a black and a green wire. The white wire is considered as plus (or +), the black is common (or -) and the green is ground (or earth). Please be advised.
- Use the switch protective cover before install the Micro Switch on a door frame.
- Notice that the (Snap Action) Micro switch is NOT covered by factory warranty.

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Important!

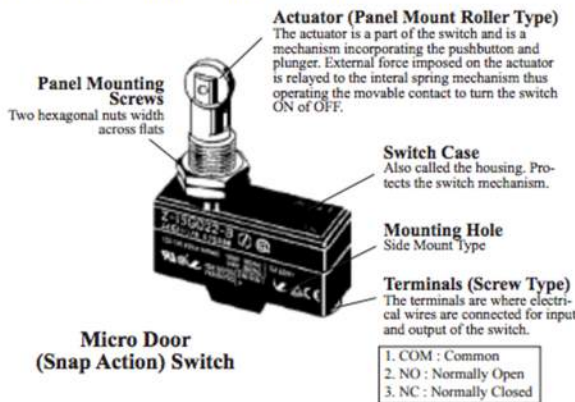
When the door is closed there should be clearance between the switch and switch bar. Not leaving a space will result in wear and damage to the switch. Bending the switch bar slightly can help increase the clearance area and prolong the life of the door switch



Bending the switch bar can help prevent damage to the switch

**Micro Door (Snap Action) Switch
INSTALLATION GUIDE**

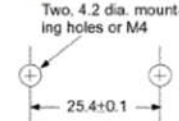
1. Terms for Configuration & Structure



Switch Contact Form

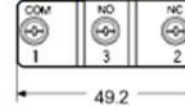


Mounting Holes



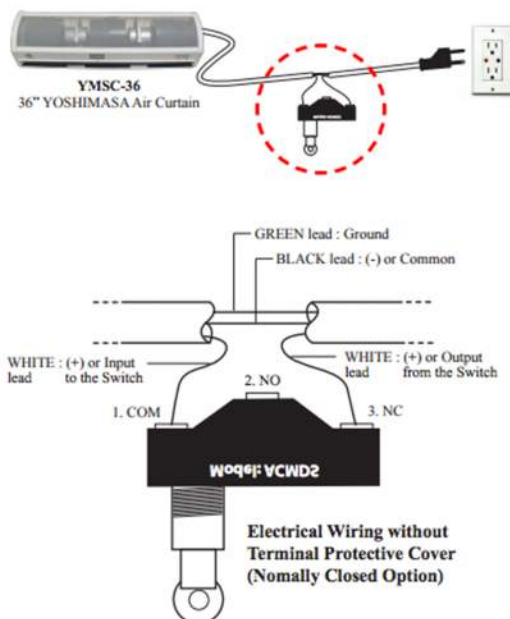
WARNING
Do not apply an excessive force to the mounting bracket with a screwdriver or a similar object when attaching or detaching the protective cover; otherwise, the cover will be deformed.

Screw Type Terminals



Three, M4 × 5.5 Terminal screws (with toothed washer)

2. Electrical Wiring Diagram



3. Wiring Instructions

WARNING

1. Must have a qualified electrician install the Air Curtain.
2. **ELECTRIC SHOCK HAZARD**
Please unplug the power cord before working.

1. Get the Micro Door (Snap Action) Switch and do a Ohm Test

Terminal Connection	Plunger State	
	Unpushed/OFF	Pushed/ON
COM-NC	beep	-
COM-NO	-	beep

2. Locate a proper place for Air Curtain Installation and Micro Door (Snap Action) Switch at the top of the door opening.

3. Do the electrical wiring as illustrated or the left.
*An extension might need

4. Apply the Terminal Protective Cover on the switch.

5. Use M4 screws on a side surface with plane washers and spring washers to mount the switch.

CAUTION

1. Be careful not to apply a large shock. Applying a shock exceeding 100G may damage the switch.
2. The switch can be panel mounted, provided that the hexagonal nuts of the actuator is tightened to a torque of 2.94 to 4.9 N•m.
3. When mounted with screws on a side surface, remove the hexagonal nuts from the actuator.

6. Plug the power cord to operate the Air Curtain.

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Micro Door Switch User Manual

■ Terms for Configuration & Structure

