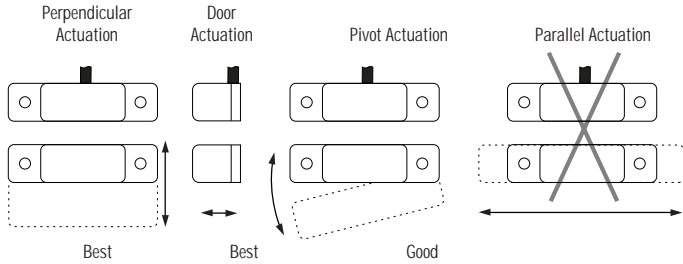


2. Mount the switch on the stationary frame of the machine and connect the electrical wiring. When mounting the switch on an ungrounded machine, connect the ground lead to one of the mounting screws.

3. Mount the actuator on the movable guard, door, or gate.

The interlock switch and actuator magnet should be mounted in only three configurations for actuation:

Figure 2



Three configurations are appropriate for interlock applications. The parallel actuation can result in on/off/on signal if the actuator passes by the switch rather than coming to rest in proximity to it. This is NOT a recommended configuration for interlock applications.

General Specifications

Enclosure	ABS Plastic
Temperature Range	-40°F to 180°F (-40°C to 80°C)
Environmental	Hermetically Sealed Contact Switch Sealed in Polyurethane
NEMA Rating	1, 2, 3, 4, 4X, 5, 6, 12
Protection Class	IP 67
Response Time	1 msec
Life Cycles	100,000 Under Full Load; 22/2 Jacketed (J)/0.24" (0.62cm) Up to 200,000,000 Under Dry Circuit
Lead Types/O.D.	18/2 or 18/3 Jacketed (J)/0.24" (0.62cm) 18/3 (K)/0.33" (0.84cm)
UL/CSA	All Models

Wire Color Code

Black	COM
White	N.O.
Red	N.C.



Ordering/Electrical Specifications

PART NUMBER	CONTACT ¹ CONFIG.	LOAD RATING AC/DC	SWITCHING VOLTAGE MAXIMUM, AC/DC		SWITCHING CURRENT MAXIMUM, AC/DC		CONTACT RESISTANCE	SENSE ² NOMINAL	BREAK RANGE NOMINAL	LEAD LENGTH NOMINAL	LEAD SIZE
111-3Y-06(J)	N.C.	100VA/84W	120V@0.8A	28V@3.0A ³	3.0A ³ @34V	3.0A ³ @28V	1.0 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	6'(1.8m)	18/2
111-3Y-12(J)	N.C.	100VA/84W	120V@0.8A	28V@3.0A ³	3.0A ³ @34V	3.0A ³ @28V	1.0 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	12'(3.6m)	18/2
111-4Y-06(K)	SPDT	100VA/84W	120V@0.8A	28V@3.0A ³	3.0A ³ @34V	3.0A ³ @28V	1.0 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	6'(1.8cm)	18/3
111-4Y-12(J)(K)	SPDT	100VA/84W	120V@0.8A	28V@3.0A ³	3.0A ³ @34V	3.0A ³ @28V	1.0 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	12'(3.6m)	18/3
111-5X-06(J)-G1 ⁴	N.O.	10VA/10W	120V@0.08A	20V@0.5A	0.5A@20V	0.5A@20V	NA	0.7"(1.8cm)	1.7"(4.3cm)	6'(1.8m)	22/2
111*-6Y-05(J)	N.O.	25VA/25W	120V@0.2A	120V@0.2A	0.7A@35V	1.0A@25V	0.2 Ohms	1.0"(2.5cm)	2.0"(5.1cm)	5'(1.5m)	22/2
111-6Y-06(J)(K)	N.O.	25VA/25W	120V@0.2A	120V@0.2A	0.7A@35V	1.0A@25V	0.2 Ohms	1.0"(2.5cm)	2.0"(5.1cm)	6'(1.8m)	22/2
111-6Y-12(J)(K)	N.O.	25VA/25W	120V@0.2A	120V@0.2A	0.7A@35V	1.0A@25V	0.2 Ohms	1.0"(2.5cm)	2.0"(5.1cm)	12'(3.6m)	22/2
111-7Y-06(J)(K)	N.O.	100VA/84W	120V@0.8A	28V@3.0A ³	3.0A ³ @34V	3.0A ³ @28V	1.0 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	6'(1.8m)	18/2
111-17Y-06(J)	N.O.	100VA/100W	250V@0.4A	250V@0.4A	3.0A@34V	3.0A@34V	0.5 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	6'(1.8m)	18/2
111-7Y-12(J)(K)	N.O.	100VA/84W	120V@0.8A	28V@3.0A ³	3.0A ³ @34V	3.0A ³ @28V	1.0 Ohms	0.7"(1.8cm)	1.2"(3.0cm)	12'(3.6m)	18/2
111-Y	Actuator Only	Included with all switches unless otherwise noted.									

Warning— Each electrical rating is an individual maximum and cannot be exceeded!

- Configuration with actuator away from the switch
- Proximity of ferrous materials usually reduces sense range — typically by 50%. The shape and type of material cause a wide diversity of effects. Testing is required to determine actual sense range for specific applications.
- Rated at 3.0A for 6,000 cycles only. Other ratings are at 100,000 cycles.
- Special cable exit (not UL)

