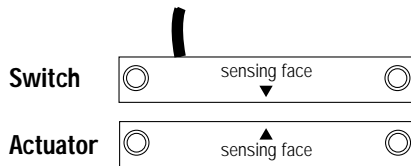
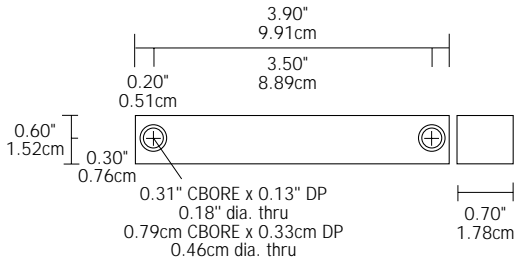


# 113 GuardSwitch

## Non-Contact Interlock/Position Switch



### APPLICATIONS

- Gaming Industry
  - Drop Doors
  - Player Tracking
  - Bill Validators
  - Access Doors
- Farm Equipment
- Emergency Vehicles
- Position Sensing

### General Specifications

Enclosure	ABS Plastic
Temperature Range	-40°F to 180°F (-40°C to 80°C)
Environmental	Hermetically Sealed Contact Switch Encapsulated in Polyurethane
NEMA Rating	1, 2, 3, 4, 4x, 5, 6, 12
Protection Class	IP 67
Response Time	1 msec; 10 msec (150VA)
Life Cycles	100,000 Under Full Load; Up to 200,000,000 Under Dry Circuit
Lead Types/O.D.	18/2 SJTOW (K) / 0.30" (0.76cm) 18/3 SJTOW (K) / 0.33" (0.84cm) 18/2 or 18/3 Jacketed (J) / 0.24" (0.62cm)
UL/CSA	All Models



File E 122942



LR89176

ORDER INFORMATION	ELECTRICAL SPECIFICATIONS										
	Part Number	Contact <sup>1</sup> Config.	Load Rating AC	Load Rating DC	Switching Voltage, Max.		Switching Current, Max.		Contact Resistance	Sense Range <sup>2</sup> Nominal	Break Range Nominal
113-3Y-06(K)OR(J)	N.C.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A(@34V) <sup>3</sup>	3.0A(@28V) <sup>3</sup>	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	6'(1.8m)
113-3Y-12(K)OR(J)	N.C.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A(@34V) <sup>3</sup>	3.0A(@28V) <sup>3</sup>	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	12'(3.6m)
113-4Y-06(K)OR(J)	SPDT	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A(@34V) <sup>3</sup>	3.0A(@28V) <sup>3</sup>	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	6'(1.8m)
113-4Y-12(K)OR(J)	SPDT	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A(@34V) <sup>3</sup>	3.0A(@28V) <sup>3</sup>	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	12'(3.6m)
113-6Y-06(K)OR(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)	6'(1.8m)
113-6Y-12(K)OR(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)	12'(3.6m)
113-7Y-06(K)OR(J)	N.O.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A(@34V) <sup>3</sup>	3.0A(@28V) <sup>3</sup>	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	6'(1.8m)
113-7Y-12(K)OR(J)	N.O.	100VA	84W	120V(@0.8A)	28V(@3.0A)	3.0A(@34V) <sup>3</sup>	3.0A(@28V) <sup>3</sup>	1.0 Ohms	0.7" (1.8cm)	1.2" (3.0cm)	12'(3.6m)
113-8Y-06(K)OR(J)-SER10 <sup>5</sup>	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) <sup>4</sup>	NA	NA	1.5" (3.8cm)	1.5" (3.8cm)	6'(1.8m)
113-8Y-12(K)OR(J)-SER10 <sup>5</sup>	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) <sup>4</sup>	NA	NA	1.5" (3.8cm)	1.5" (3.8cm)	12'(3.6m)
113-8Y-06(K)OR(J)-SER25 <sup>5</sup>	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) <sup>4</sup>	NA	NA	1.5" (3.8cm)	1.5" (3.8cm)	6'(1.8m)
113-8Y-12(K)OR(J)-SER25 <sup>5</sup>	N.O.	150VA	NA	120V(@1.25A)	NA	1.25A(@120V) <sup>4</sup>	NA	NA	1.5" (3.8cm)	1.5" (3.8cm)	12'(3.6m)
113-Y	Actuator Only										

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

<sup>1</sup> Configuration with actuator away from the switch

<sup>2</sup> 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.

<sup>3</sup> Rated at 3.0A for 6,000 cycles only. Other ratings are at 100,000 cycles.

<sup>4</sup> Can withstand inrush surge up to 4 Amps. Voltage Drop 1.5V, minimum switch current of 30mA.

<sup>5</sup> SER10- Maximum 10 switches in series; SER 25- Maximum 25 switches in series, triac output.

INTERLOCK SWITCH 100 SERIES