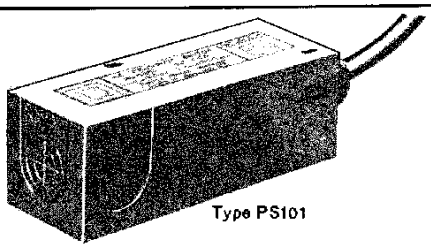
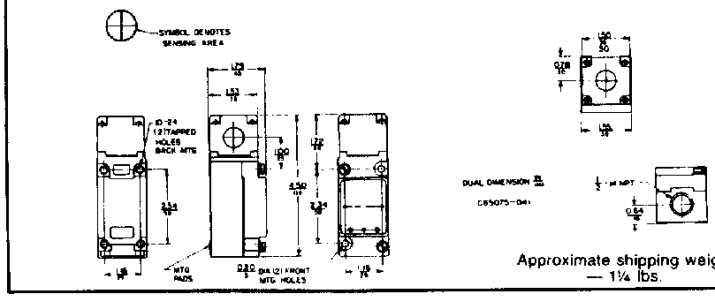
CLASS 9007

PROXIMITY LIMIT SWITCHES
SELF-CONTAINED — ALL METALS SENSITIVE

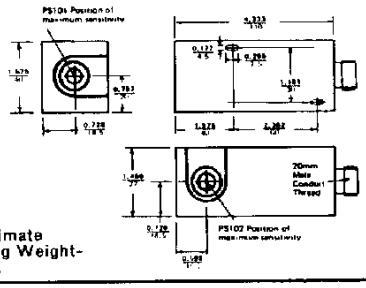

Type PSP 223A


Type PS101

Usage	AC N.O.		AC N.C.		AC N.O.		AC N.C.	
Type	**PSN223A†** (End Sensing)	**PSP223A†** (Side Sensing)	**PSN224A†** (End Sensing)	**PSP224A†** (Side Sensing)	**PS101** (Front Sensing)	**PS102** (Side Sensing)	**PS101 NC** (Front Sensing)	**PS102 NC** (Side Sensing)
Price					Order Quantity 1-24 / 25-49 / 50-99 / 100-Up		Quantities of PS101, PS101 NC PS102, and PS102 NC on a single order can be combined to determine proper list price.	
Sensitivity Data● Typical Sensitivity Data Based on 1" (25.4mm) Square of 16 Gauge Material	Fixed Sensitivity Nominal Values Shown				Fixed Sensitivity Nominal Values Shown			
	Sensitivity●	**Differential**			**Sensitivity●**	**Differential**		
Steel	.500" (13mm)	.03" (.8mm) +.03" (.8mm) −.01" (.25mm) Worst case mounting orientation and over entire temp. range			.59" (15mm)	.039" (1.0mm) Maximum		
Aluminum Sheet	.225" (5.7mm)				.197" (5mm)			
Aluminum Foil	.385" (9.7mm)				.59" (15mm)			
Copper	.170" (4.3mm)				.197" (5mm)			
Brass	.230" (5.8mm)				.197" (5mm)			
Input Requirements Voltage and Leakage Current (Without Load)	60 To 132 VAC 50/60 Hz 2.0 MA Maximum				110-120 V + 10% − 15%, 50/60 Hz 6.2 MA Maximum			
Output Type and Rating	Solid State 1 N.O. or 1 N.C.✱ with two LED indicators — one is on whenever power is applied to the device, one turns on when the output is conducting. Maximum Continuous Current: 1.2 amp. to 40° C, linearly derated to 0.9 amp. at 70° C. Maximum Inrush Current: 3.6 amps. Meets NEMA D150 Minimum Current: 15 ma (6ma without LED indication)				Solid State 1 N.O. or N.C. with LED On/Off Indicator✱. Maximum Continuous Current: .5 amp. Maximum Inrush Current: 10 amps. Minimum Current: 80 ma.			
Wiring	2 Wire Device Plug-in construction with self-lifting pressure wire connectors in receptacle. Connect either terminal to Line 1 and the other to Load.				2 Wire Cord — 2 Meters Long Connect Either Wire to Line 1 and the Other Wire to Load.			
Repeat Accuracy Based on Constant Temp., Voltage and Perpendicular Movement of Object With Respect to Head	± .0015" (.04mm)				±.002" (.05mm)			
Temperature Range	−20°C (−4°F) to 70°C (158°F)				−10°C to 70°C			
Rate of Operation	Up to 20 Oper. Per Sec.				Up to 25 Oper. Per Sec.			
Enclosure	NEMA 2, 4 and 13 Plug-in Zinc Diecast Body Solid State Components Are Completely Encapsulated				NEMA 2, 4 and 13 Completely Epoxy Encapsulated, A.B.S. Plastic Case			



Approximate shipping weight — 1¼ lbs.



Approximate Shipping Weight- 1⅛ lbs.

✱ When supply power is first applied to the Class 9007 Type PS2, it is possible for the output triac to conduct for up to 0.5 seconds. All other AC devices contain circuitry to hold output in the off state while the sensing field sets up at initial application of power.

▲ NORPAK is a registered trademark of Square D Company.

● Types PS-1, 2 and 3 are suitable for flush mounting in metal. Types PSP and PSN can be flush mounted but there will be an increase in sensing distance and differential — consult your local field office. All other versions are not suitable for flush mounting in metal. When adjacent devices are mounted too close together, it is possible for one to interfere with the operation of the other. Types PS101 and PS102 must be mounted a minimum of .24" (6mm) apart. For Types PSN and PSP — consult local Square D field office. The minimum recommended distance between all other devices is equal to the width of the larger switch being used.

★ The operating temperature of the 9007 PS2 is affected by the current that it is switching. It is necessary to add 20° C per ampere of load current to the ambient temperature.

† For replacement plug-in units — change the suffix "A" to "B"