

COMPACT RECTANGULAR/SQUARE INDUCTIVE SENSORS IP67

3 Wire DC Inductive Sensors

Two DC Inductive Sensors									Inductive
									
NPN NO	PS17-5DN	PS17-8DN	PFI25-8DN	PSN25-5DN	PSN30-10DN	PSN30-15DN	PSN40-20DN	PS50-30DN	NO Output
PNP NO	PS17-5DP	PS17-8DP	PFI25-8DP	PSN25-5DP	PSN30-10DP	PSN30-15DP	PSN40-20DP	PS50-30DP	PST17-5DO
NPN NC	PS17-5DN2	PS17-8DN2	PFI25-8DN2	PSN25-5DN2	PSN30-10DN2	PSN30-15DN2	–	PS50-30DN2	NC Output
PNP NC	–	–	PFI25-8DP2	PSN25-5DP2	PSN30-10DP2	PSN30-15DP2	PSN40-20DP2	PS50-30DP2	PST17-5DC
Switching distance	5mm ±10%	8mm ±10%		5mm ±10%	10mm ±10%	15mm ±10%	20mm ±10%	30mm ±10%	5mm ±10%
Hysteresis	Max. 10% of switching distance								
Standard detecting target	18 x 18 x 1mm (Iron)	25 x 25 x 1mm (Iron)			30 x 30 x 1mm (Iron)	45 x 45 x 1mm (Iron)	60 x 60 x 1mm (Iron)	90 x 90 x 1mm (Iron)	18 x 18 x 1mm (Iron)
Response frequency	700Hz	200Hz		300Hz	250Hz	200Hz	100Hz	50Hz	
Dimensions	17 x 17 x 31		26 x 10 x 49	25 x 25 x 39	30 x 30 x 53		40 x 40 x 53	53 x 53 x 35	17 x 17 x 31
Protection circuit	Surge protection circuit. Reverse polarity protection			Surge protection circuit. Reverse polarity protection. Overload & short-circuit protection					Surge Protection Circuit
Power supply (Operation voltage)	12-24VDC (10-30VDC)								
Leakage current	Max. 10mA								
Residual voltage	Max. 1.5V								
Affection by Temp.	-25 – +70°C								
Control output	200mA								
Insulation resistance	Min. 50MΩ (at 500VDC)								
Indicator	Operation indicator (Red LED)								
Ambient temperature	-25 – +70°C (at non-freezing status)								

2 Wire AC Inductive Sensors



NO Output	PSN25-5AO	PSN30-10AO	PSN30-15AO	PSN40-20AO
NC Output	PSN25-5AC	PSN30-10AC	PSN30-15AC	PSN40-20AC
Switching distance	5mm ±10%	10mm ±10%	15mm ±10%	20mm ±10%
Hysteresis	Max. 10% of switching distance			
Standard detecting target	25 x 25 x 1mm (Iron)	30 x 30 x 1mm (Iron)	45 x 45 x 1mm (Iron)	60 x 60 x 1mm (Iron)
Dimensions	25 x 25 x 39	30 x 30 x 53	30 x 30 x 53	40 x 40 x 53
Power supply (Operation voltage)	100-240VAC (85-264VAC)			
Leakage current	Max. 2.5mA			
Response frequency	20Hz			
Residual voltage	Max. 10V			
Affection by Temp.	±10% Max. for detecting distance at +20°C within temperature range of -25 – +70°C			
Control output	5-200mA			
Insulation resistance	Min. 50MΩ (at 500VDC)			
Indicator	Operation indicator (Red LED)			
Ambient temperature	-25 – +70°C (at non-freezing status)			
Protection Circuit	Surge protection circuit			

AUTO DOOR SENSOR



Code

ADS-A

Supply Voltage:	24-240VAC
Relay Output:	0.1A @ 50VDC
Mounting Height:	2-2.7m (max. detecting distance: 3m)
Output Delay Time:	2/7/15 sec selectable by dip switch
Detection:	Four angles for front detection area, 7.5°, 14.5°, 21.5°, 28.5° Right/Left detection area elimination function