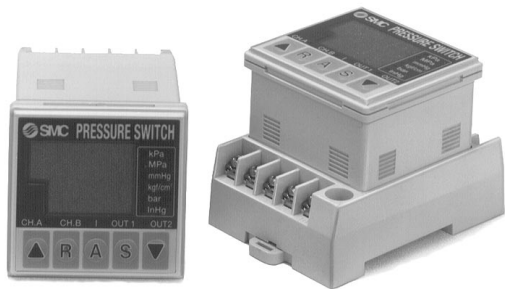
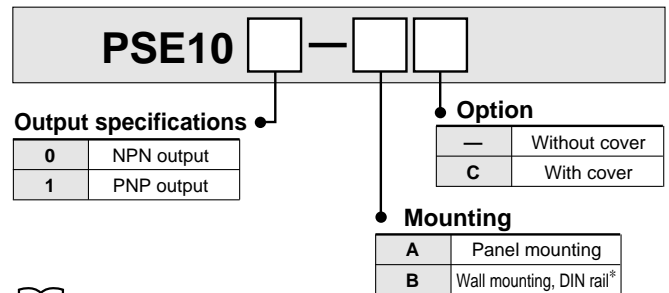




Controller Series *PSE100*



How to Order



*Refer to p.3.1-14 for DIN rail part number.

Controller Specifications

Model		PSE100-□	PSE101-□
Output specifications		NPN Open Collector 30V 80mA max.	PNP Open Collector 80mA max.
Number of outputs		2CH X 2 outputs	
Pressure display range		-101 to 10kPa (For vacuum), -10 to 100kPa (For low press.), -0.1 to 1MPa (For high press.)	
Display resolution		0.1kPa (For vacuum, low pressure), 1kPa (For high pressure)	
Display unit	For vacuum pressure and low pressure	kPa, mmHg, kgf/cm ² , bar, InHg	
	For high pressure	kPa, MPa, kgf/cm ² , bar	
Operating display		Light at ON. (Switch output 1: Green, Switch output 2: Red)	
Frequency response		100Hz (10ms)	
Hysteresis		Hysteresis mode: Variable, Window comparator mode: Fixed (2% F.S.)	
Temp characteristics (25°C standard)	25 ± 10°C	±0.3% F.S. or less	
	0 to 50°C	±0.5% F.S. or less	
Repeatability		±0.2% F.S. or less	
Supply voltage		12 to 24V DC (Ripple ±10% or less)	
Current consumption		250mA or less	
Error display		Error display at 7 segment LED	
Display specifications		4 figures X 2, 7 segment LED display, Sampling cycle 4 times/sec.	
Self diagnostic function		Excess pressure, Excess current, NO sensor connection, Data error (Pressure presence at zero clear)	
Additional function		Auto preset: Possible to set adsorption confirmation by pressing button only.	
		Auto shift: Possible to zero clear by input terminal	
Operating temperature range		0 to 50°C (No condensation)	
Noise resistance		500Vp-p, Pulse width 1μs, Standing 1ns	
Voltage resistance		Between external terminal and case 1000V AC, 50/60Hz for 1 min.	
Insulation resistance		Between external terminal and case 2MΩ (500V DC by megameter)	
Vibration resistance		10 to 500Hz Width: 1.5mm or acceleration 98m/s ² (at the smaller vibration) to X, Y, Z direction (2 hours)	
Shock resistance		980m/s ² to X, Y, Z direction (3 times for each direction)	
Protective construction		Panel mounting type: IP66 (Used gasket at panel mount part only), Wall mounting, DIN rail type: IP40	
Mounting		A: Panel mounting, B: Wall mounting, DIN rail	
Weight		A: Approx. 90g B: Approx. 110 g	
Sensor connection	Supply voltage	Same as power supply	
	Voltage input	1 to 5V (Input impedance 100KΩ)	
	Current input	4 to 20mA (Input impedance 250Ω)	