

Digital Pressure Switch SP Series

Parameter specification

type		SP-11
Rated pressure range		-100.0~100.0kPa
Set Pressure range		-105.0~105.0kPa
Pressure resistance		500kPa
Applicable gas		Air, non-corrosive gas, inert gas
Pressure unit set minimum	MPa	0.001
	kPa	0.1
	kgf/cm ²	0.001
	bar	0.001
	psi	0.01
	in Hg	0.1
	mmHg	1
Power supply voltage		DC 24V $\pm 10\%$, (p-p)10% or less
Consumption voltage		$\leq 40\text{mA}$ (Off load)
Switching output	Output mode	NPN/PNP
	Maximum load current	120mA
	Maximum supply voltage	24V DC
	Internal pressure drop	$\leq 15\text{V}$
repeatability		$\pm 0.2\%$ F.S. ± 1 digit
Switching reaction time		$\leq 2.5\text{ms}$ (Prevent misoperation function:20ms, 100ms,500ms,1000ms,2000ms)
Switch short-circuit protection function		have
Display mode		3 1/2 7 LED Color Indication (Blue)
Display accuracy		$\pm 2\%$ F.S. ± 1 digit
Action light		Switch ON light OUT1: red OUT2: blue
Environmental proof	Protection class	IP40
	Service temperature range	5-50°C
	Withstand voltage	AC1000V 1 min (between the charging part and the housing)
	Insulation resistance	Above 50M Ω (DC500V megohm meter)
Temperature characteristic		$\pm 2\%$ F.S.(Service temperature range 5—50°C, 25°C时)
The intake type has no Port		90 degree intake Port&Not Port
attachments		Oil resistant PVC wire(0.15mm ²)
weight		$\approx 58\text{g}$ (including wire)

Output wiring diagram

