

V10

Features and Strengths

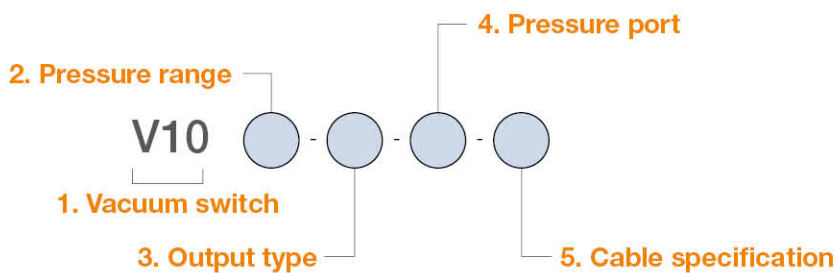
Converts an adjusted vacuum level to a digital output signal for pressure or vacuum
 NC in vacuum range 0 ~ -100 kPa
 NO in pressure range 0 ~ 300 kPa



Specifications

Model	V10	V10P
Setting pressure range	0.0 ~ -101.3 kPa	0 ~ 0.6 MPa
Withstand pressure	0.6 MPa	1.5 MPa
Fluid	Air, Non-corrosive / Non-flammable gas	
Power supply voltage	10.8 to 30V DC (include ripple voltage)	
Load current	80 mA max.	
Internal voltage drop	NPN / 0.8V, PNP / 0.8V	
Current consumption	10 mA max.	
Sensor type	NPN or PNP	
Output short circuit protection	Yes	
Setting method	Adjusting by VR	
Response time	Approx. 1 ms	
Repeatability	≤±1% F.S.	
Hysteresis	3% F.S. max.	
Indicator	Red LED turns ON	
Enclosure	IP 40	
Temperature characteristic	±3% F.S. of detected pressure (25°C) at temp. Range of 0 ~ 50°C (32 ~ 122°F)	
Ambient temp. range	Operation : 0 ~ 60°C (30 ~ 140°F), No condensation or freezing	
Ambient humidity. range	Operation / Storage : 35 ~ 85% RH (No condensation)	
Vibration	Total amplitude 1.5mm, 10Hz- 55Hz- 10Hz scan for 1minute, two hours each direction of X, Y and Z	
Piping method	Push-in tube or thread-in	
Lead wire	Oil-resistance cable, 3wires (0.18mm ²), 2.6mm, 3M	
Weight	Approx. *50g (with 3 meter lead wire)	

Build an Ordering No.



1. Vacuum switch	Description	Ordering No.
	Vacuum switch V10	V10
2. Pressure range	Description	Ordering No.
	Negative pressure (0 ~ -101.3 kPa)	Blank
	Positive pressure (0 ~ 0.6 MPa)	P
3. Output type	Description	Ordering No.
	NPN	01
	PNP	02
4. Pressure port	Description	Ordering No.
	1/8" PT, M5	F1
	1/8" NPT, M5	F2
	M5	F3
	Ø4mm tube	F4
	Ø6mm tube	F5
5. Cable specification	Description	Ordering No.
	Lead wire type (3m)	Blank
	M8-3pin male connector	C