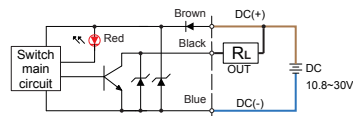


SPECIFICATION

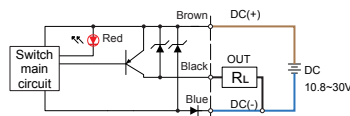
TYPE	AP10V-02/04	AP10P-02/04	AP10V-01	AP10P-01
1.0 MPa (145 psi) 0 -101.3 kPa (-29.9 inHg)				
Setting pressure range	-101.3 ~ 0 kPa (-29.9 ~ 0 inHg)	0 ~ 0.6 MPa (0 ~ 87 psi)	-101.3 ~ 0 kPa (-29.9 ~ 0 inHg)	0 ~ 1.0 MPa (0 ~ 145 psi)
Withstand pressure	0.6 MPa (87 psi)	1.5 MPa (217.5 psi)	0.2 MPa (29 psi)	1.5 MPa (217.5 psi)
Fluid	Filtered air, Non-corrosive/Non-flammable gas			
Power supply voltage	10.8 to 30V DC (include ripple voltage)		12 to 24V DC (5% ripple voltage)	
Load current	80mA max.		--	
Internal voltage drop	NPN ≤0.8V, PNP ≤0.8V		--	
Current consumption	10 mA max.			
Analog output	--		1~5 V ±1% F. S. / Linearity ±0.5% F. S.	
Switch type	NPN or PNP		--	
Output short circuit protection	Yes		--	
Setting method	Adjusting by VR		--	
Response time	Approx.1ms		--	
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		±2% F.S. of detected pressure (25°C) at temp. Range of 0~50°C	
Ambient temp. range	Operation: 0 ~ 60°C (32 ~ 140°F) storage: -20 ~ 70°C (-4 ~ 158°F) (No condensation or freezing)		Operation: 0 ~ 50°C (32 ~ 122°F) Storage: -20 ~ 70°C (-4 ~ 158°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 1 minute, two hours each direction of X, Y and Z			
Shock	980m/s ² (100G), 3 times each in direction of X, Y and Z			
Piping method	Push-in tube or thread-in			
Lead wire	Oil-resistance cable, 3 wires (0.18mm ²), Ø 2.6mm			
Weight	Approx. 50g (with 3-meter lead wire)			

CIRCUIT WIRING DIAGRAMS

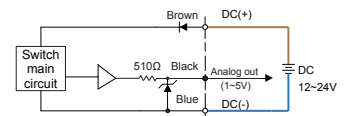
AP10□ - 02 - □ - □
NPN Output



AP10□ - 04 - □ - □
PNP Output



AP10□ - 01 - □ - □
Analog Output



INSTALLATION PRECAUTIONS

- When mounting, always use the wrench on the metallic fitting near the pressure port. Never apply a wrench to the plastic body, it will damage the sensor.
- Over tightening may cause damages to the port thread, mounting bracket and pressure sensor. Under tightening may result loosen or leakage.
- Apply pressure and power after installation and make necessary adjustments and inspect any possible signs of leakage to ensure proper installation.

