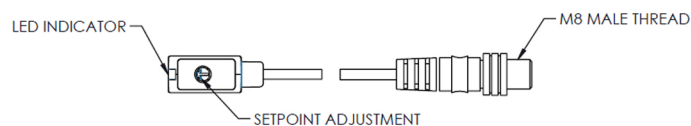## TECHNICAL SPECIFICATIONS

For your safety, please read the following before using.

① Do not use corrosive or flammable gas or liquid with this product.
② Please use within the setting pressure range. Do not apply pressure beyond recommended maximum pressure, permanent damage to the pressure sensor may occur.
③ Do not drop, hit or allow excessive shock. Even if switch body appears undamaged, internal components may be broken and can cause malfunction.
④ Turn power off before connecting wiring. Wrong wiring or short circuit will damage and / or cause malfunction.
⑤ Do not use in environment containing steam or oil vapor.
⑥ This product is not explosion-proof rated. Do not use in atmosphere containing flammable or explosive gases.
⑦ Wiring for pressure sensor should avoid power source line and high voltage line. If use in the same circuit, noise may cause malfunction.
⑧ ESD protection ±4KV.

SPECIFICATIONS	AP10
Setting pressure range	0 ~ - 101.3 kPa (0 ~ -29.9"Hg)
Withstand pressure	0.6 MPa (87 PSI)
Fluid	Air, Non-corrosive / Non-flammable gas
Power supply voltage	10.8 to 30V DC (include ripple voltage)
Load current	80mA max.
Internal voltage drop	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.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
Ambient temp. range	Operation: 0 ~ 60°C, Storage: -20 ~ 70°C (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	M5 Male
Lead wire	Oil-resistance cable, 3 wires (0.18mm^2), ϕ 2.6mm
Electrical Connection	Male, M8, 3 Pin
Weight	Approx. 50g

LED INDICATOR — M8 MALE THREAD

SETPOINT ADJUSTMENT

M8 3 CONDUCTOR PIN OUT

PIN 1 - BLACK (+)
PIN 3 - BLUE (-)
PIN 4 - OUTPUT

PIN 4
PIN 3
PIN 1