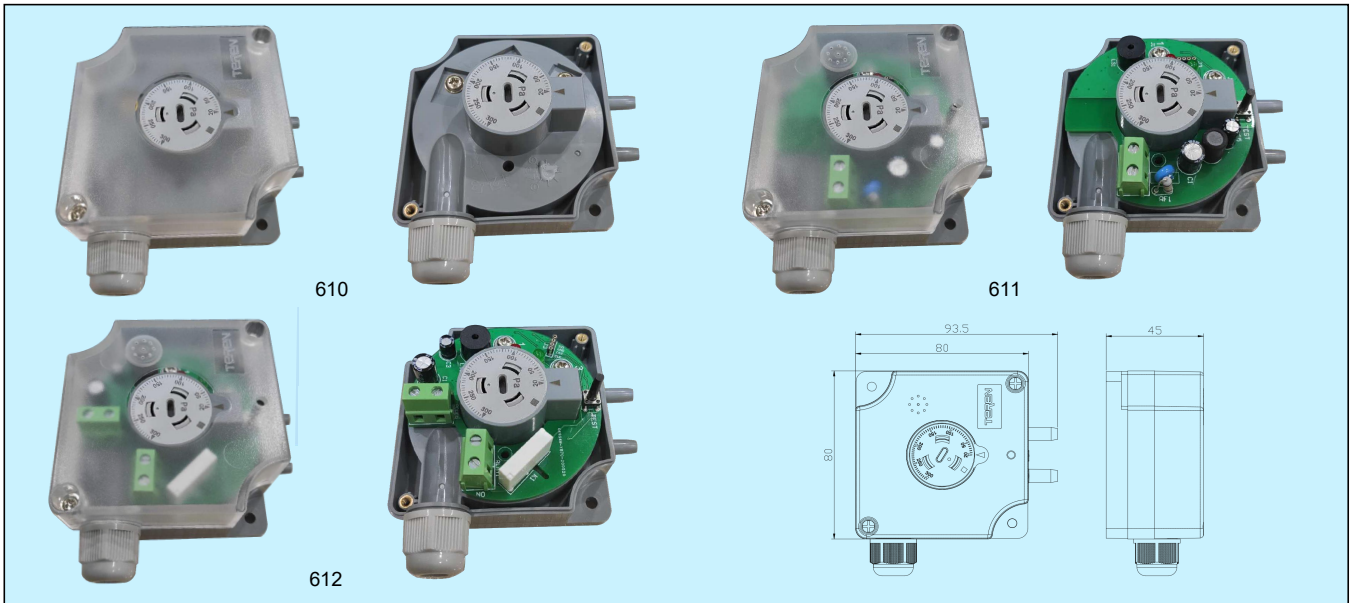


610/611/612 Adjustable Differential Pressure Switch/Alarm



Applications & Features

Monitor overpressure, vacuum and differential pressure of air and other non-combustible, non-aggressive gases. 610 has SPDT output only. 611 has local sound and light alarm only. 612 has SPST output and local sound and light alarm. And 611/612 have mute button to stop the sound alarm. 610 has high protection rate up to IP65 which can be used outside.

Specifications

- Adjustable range:** 4 ranges, see models
- Pressure limit:** 10kPa(0~50°C)
- Working temperature:** -30~70°C(610), -10~50°C(611/612) (medium and environment)
- Storage temperature:** -40~70°C
- Pressure connection:** ϕ 6.0mm plastic tube, "+" is high and "-" is low pressure port
- Service life:** over 10^6 switching cycles
- Max. switching frequency:** 6 switching cycles/min
- Repeatability:** $\pm 2\%$
- Electrical characteristics:**

Model	610	611	612
Power	-	85~250VAC	9~28VAC/DC
Sound and light alarm	-	Red/Green LED, Buzzer/Mute button	
Output	SPDT 2A/250VAC 1A/30VDC	-	SPST 3A,30VDC/AC
EMC	GB14536.1/GB14536.7, IEC60730-1/IEC60730-2-6		
Connection	Screw terminals		

Materials: housing fire retardant PC (UL94V-0), diaphragm silicone and contact silver alloy

Weight: 610: about 130g, 611/612: about 155g

Protection: 610: standard IP54, optional IP65, add suffix -S; 611/612: IP40

Certification: CE, RoHS

Installation: vertical, with the pressure ports P1 and P2 downward. This is the factory-calibrated position. If horizontally installation needed, the switching value should plus about 20pa (when cover is upward) and minus about 10pa (when cover is downward). See operation manual.

Models

Model	610	611	612	Description
				Adjustable Differential Pressure Switch
				Adjustable Differential Pressure Alarm
				Adjustable Differential Pressure Switch, with sound and light alarm
Adjustable range		0	1	20-300Pa
			2	50-500Pa
			3	100-1000Pa
				0.5-2.5kPa
Engineering unit			0	Pa
			7	mbar
			8	inch WC
			9	mm WC

Dead Band

Part No.	Range	DB
61x.0	20-300Pa	10 \pm 5Pa
61x.1	50-500Pa	20 \pm 8Pa
61x.2	100-1000Pa	50 \pm 15Pa
61x.3	0.5-2.5kPa	100 \pm 30Pa

Dead Band is factory set. Customers can not adjust.

Accessories (should be ordered separately)

Part No.	Description
1001	Individual accessory package: clear PVC tube 2M, connectors (1003) 2 pcs, screws 4 pcs
1002	plastic pipe 2m
1003	1 pc pressure connection part, straight type
1008	Individual accessory package: clear PVC tube 2M, connectors (1009) 2 pcs, screws 4 pcs
1009	1 pc pressure connection part, L type

