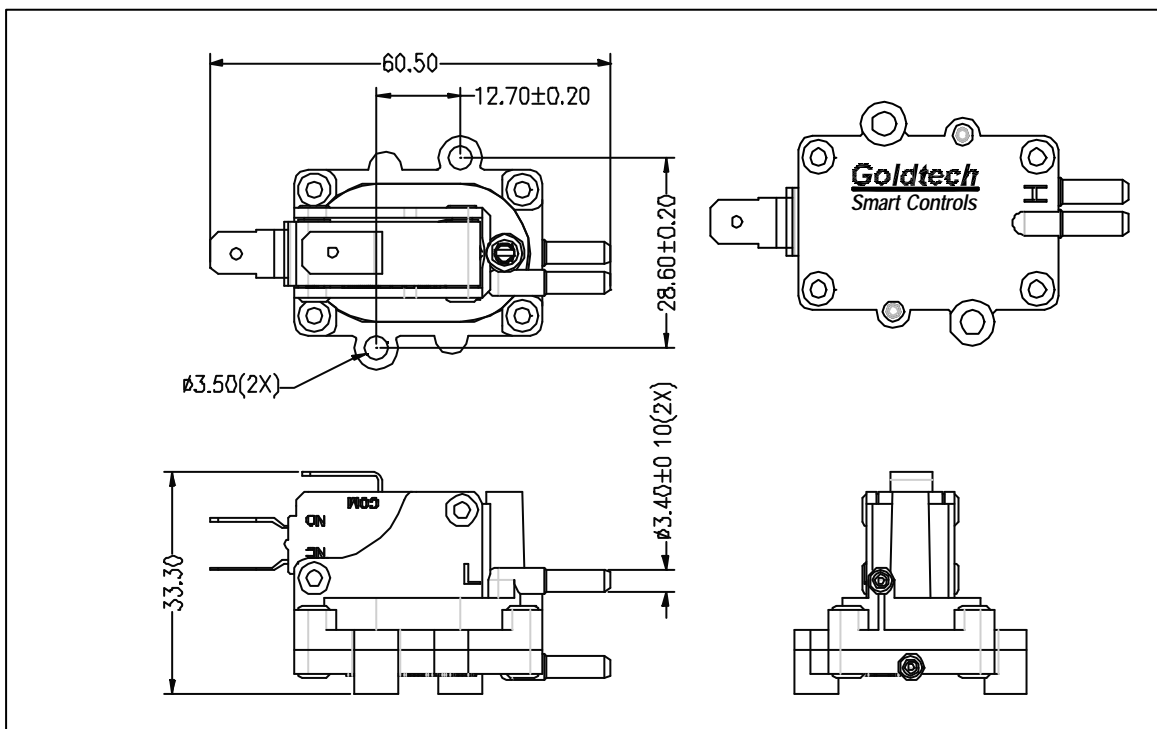
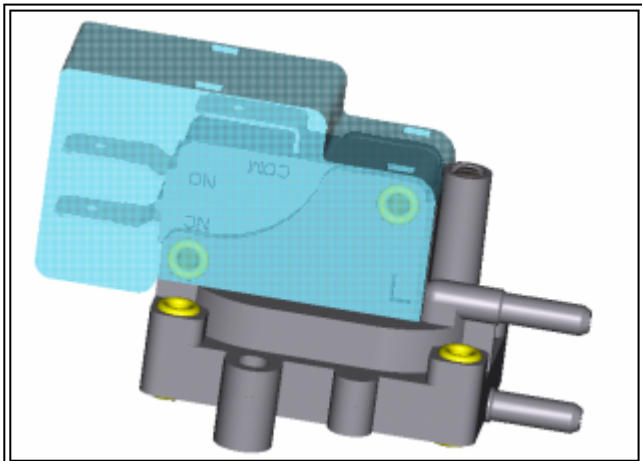
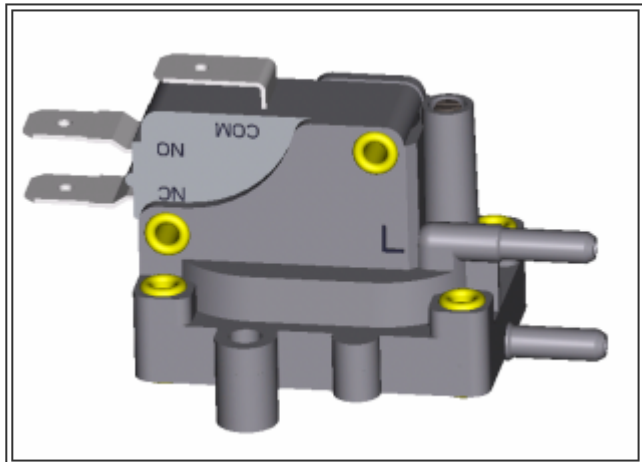


Introduction:

- PS-200 series pressure switches feature with wide set point range from 5" w.c to 100" w.c.
- Electrical ratings from 0.1A to 22A; 100,000 min. electrical cycles, UL Approved.
- Fixed Setpoint or adjustable setpoint versions.
- Positive, negative or pressure differential control.
- Can be used as "Air Button Switch" for remote control applications, or used as safety switch in applications where water is used in conjunction with electricity.
- Dustproof construction allows the micro-switch operate smoothly even in a dusty environment.



Specifications:

<b>Switch type:</b> SPDT, SPST-NO, SPST-NC	<b>Pressure Set point:</b> 5~100" WC
<b>Switch Medium:</b> Air or compatible fluids	<b>Set point Tolerance:</b> +/- 10% typical
<b>Mechanical Life:</b> 1 million cycles, min. <b>Electrical Life:</b> 100,000 cycles min. at rated load (UL) 50,000 cycles min. at rated load (VDE)	<b>Max. Pressure Allowed:</b> 15PSI (100kPa)
<b>Operating Temperature:</b> -40 ~ +85 deg C (standard)	<b>Mounting Type:</b> Two 3.5mm dia. mounting holes
<b>Switch Ratings:</b> 0.1A 125/250VAC (100,000 cycles) 5A 125/250VAC (100,000 cycles) 15.1A 125/250VAC (100,000 cycles) 22A 125/250VAC (50,000 cycles) 1/2HP 125VAC 3/4HP 250VAC	<b>Connections:</b> Positive and Negative straight tubes for 1/8" or 3mm ID flexible tube. <b>Applications:</b> Positive only Negative only Differential Pressure Sensing
<b>Terminal Size:</b> 6.3X0.8 mm quick insertion 4.8X0.5 mm quick insertion (other QC standard terminals available)	<b>Construction:</b> Plastic Case, UL94-V0 Silicone Diaphragm Micro Switch
<b>Sensing Media:</b> Air and other compatible fluids	<b>Accessory:</b> Connection Adapter Restrictor

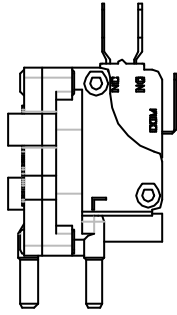
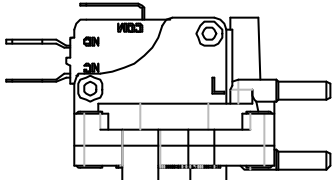
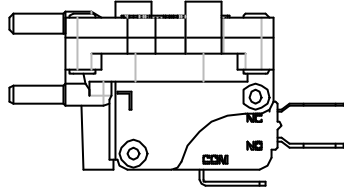
Set point ranges and electrical ratings:

Class	Set point range	Electrical ratings
Low range	5~12" WC	0.1A 125/250VAC 5A 125/250VAC 1/2HP 125VAC
Middle range	12~32" WC	0.1A 125/250VAC 5A 125/250VAC 15.1A 125/250VAC 1/2HP 125VAC 3/4HP 250VAC
High range	32~100" WC	0.1A 125/250VAC 5A 125/250VAC 15.1A 125/250VAC 22A 125/250VAC 1/2HP 125VAC 3/4HP 250VAC

### Mounting orientation and set point variation

The calibration orientation is to be “diaphragm in vertical plane” by default, the other orientations’ setpoint value can be converted by the table below:

Mounting orientation	Set point		Tolerance	Remarks
Diaphragm in vertical plane	X mbar	X “w.c.	± 6%	Default orientation
Horizontal, micorswitch up	X + 0.75 mb	X + 0.3” w.c.	± 8%	
Horizontal, micorswitch down	X - 0.75 mb	X - 0.3” w.c.	± 8%	
Other orientations	----	----	± 10% max.	

Diaphragm in vertical plane	Horizontal, micro switch up	Horizontal, micro switch down
		

**Remark:** For higher accuracy, please let us know the mounting orientation in your applications, we will calibrate the setpoint according to your mounting orientation. Consult our sales representatives for more information.

### Electrical Connection

Figure	Circuit
