

## Submittal Data Sheet



PX-PSM-24 shown above

Complete assembly of pressure/vacuum switch, 4" diameter pressure/vacuum gauge, and gas specific DISS union demand check valve. Entire assembly is cleaned for oxygen service.



PX-PSX-12 shown above

### PSM Assembly Features

Unique to Powerex, the PSM assembly consists of a Tee Assembly using the Powerex Genesys™ manifold high/low line pressure transducer and DISS union demand check valve – both of which are included with the manifold and eliminate the need to purchase an additional high/low source line pressure switch – with the 4" diameter pressure gauge.

### PST / PSX Pressure Switch Specifications

Pressure and vacuum switches for the medical gas alarm system shall incorporate a U.L. listed single pole double throw snap-action micro switch. Normally open or normally closed circuitry shall be field-selected to be compatible with the medical gas alarm system. Electrical rating shall be 10 amperes at 120 volt AC.

### PST / PSX Switch Adjustment

Low pressure gases such as oxygen, nitrous oxide and medical air are typically set to alarm at 40 psig (low line pressure) and 60 psig (high line pressure). High pressure nitrogen are typically set to alarm at 160 psig (low line pressure) and 200 psig (high line pressure). The vacuum switch is pre-set at the factory to alarm at 12 in/Hg. Switches are field adjustable (if necessary) by following instructions included.

### Ordering Information

Part #	Gas Service and Pressure Switch Used
PX-PST-04	N2O with High/Low 1-80 psig switch and 0-100 psi gauge
PX-PST-08	CO2 with High/Low 1-80 psig switch and 0-100 psi gauge
PX-PSX-12	N2 with two single setting pressure switches (high and low) and 0-300 psi gauge
PX-PST-16	MED AIR with High/Low 1-80 psig and 0-100 psi gauge
PX-PST-22	VAC with single setting 1-30" Hg switch and 0-30" Hg gauge
PX-PST-24	OXY with High/Low 1-80 psig switch and 0-100 psi gauge
PX-PST-HYP	Hyperbaric Oxygen with High (84)/Low (56) switch and 0-100 psi gauge
PX-PSX-2080	Instrument Air with High (200) and Low (160) switches and 0 – 300 psi gauge
PX-PST-32	WAGD with single setting 1-30" Hg switch and 0-30" Hg gauge
PX-PSM-04	N2O assembly with transducer and DISS union provided as part of Genesys™ manifold
PX-PSM-08	CO2 assembly with transducer and DISS union provided as part of Genesys™ manifold
PX-PSM-12	N2 assembly with transducer and DISS union provided as part of Genesys™ manifold
PX-PSM-16	MED AIR assembly with transducer and DISS union provided as part of Genesys™ manifold
PX-PSM-24	OXY assembly with transducer and DISS union provided as part of Genesys™ manifold
PX-PSM-2080	Instrument Air assembly with transducer and DISS union provided as part of Genesys™ manifold

**Pressure Switch Wiring in PST / PSX assemblies**

**Use this chart for United Electric (U. E.) Hi/Low Pressure Switches Only**

Circuit	Common	Normally Closed	Normally Open
Low line pressure	*		*
High line pressure	*	*	

\* Indicates the electrician should connect wires to these terminals.

**Use this chart for United Electric (U. E.) Vacuum Switch Only**

Circuit	Common	Normally Closed	Normally Open
Low vacuum	*		*

\* Indicates the electrician should connect wires to these terminals.

**Use this chart for Barksdale Hi/Low Pressure Switches Only**

Circuit	Common	Normally Closed	Normally Open
Low line pressure	*Purple		*Red
High line pressure	*Brown	*Orange	

\* Indicates the electrician should connect wires to these terminals.

**Use this chart for Barksdale Vacuum Switch Only**

Circuit	Common	Normally Closed	Normally Open
Low vacuum	*Purple	*Red	

\* Indicates the electrician should connect wires to these terminals.