

Submittal Data Sheet

Features

- Removable copper diaphragm capsule.
- Entire assembly is cleaned for oxygen service.
- UL and CSA listed.
- Instrument quality snap-action switch.
- Normally open or normally closed contacts.

Specification

Pressure and vacuum switches for the medical gas alarm system shall incorporate a UL 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.

Switch Adjustment

Pressure

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 140 psig (low line pressure) and 180 psig (high line pressure). Switches are field adjustable (if necessary) by following instructions included.

Vacuum

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



Model PX-LRA-1

Part #	Description	Typical Application
PX-PS-1-80	High/Low 1-80 psig	Abnormal line pressure – used with Oxygen, Air, Nitrous Oxide and Carbon Dioxide
PX-PS-1-30Hg	Single setting 1-30 Hg	Abnormal line pressure – used with vacuum and evacuation
PX-PS-10-250 (two needed)	Single setting 10-250 psig	Abnormal line pressure – used with Nitrogen (two needed)
PX-PS-2-150	Single setting 2-150 psig	Reserve in use – used with Oxygen, Air, Nitrous Oxide and Carbon Dioxide
PX-PS-160-3200	Single setting 160-3200 psig	Emergency reserve low – used with Oxygen, Air, Nitrous Oxide and Carbon Dioxide

Pressure Switch Wiring

Use this chart for Barksdale High/Low Pressure Switches only!

TTM Model #	Circuit	Common	Normally Closed	Normally Open
PX-PS-1-80	Low line pressure	Purple*	Blue	Red*
PX-PS-1-80	High line pressure	Brown*	Orange*	Yellow

*Indicates the electrician should use these wires.

Use this chart for United Electric High/Low Pressure Switches only!

TTM Model #	Circuit	Common	Normally Closed	Normally Open
PX-PS-1-80	Low line pressure	*		*
PX-PS-1-80	High line pressure	*	*	

*Indicates the electrician should connect wires to these terminals.

Use this chart for Barksdale Vacuum Switches only!

TTM Model #	Circuit	Common	Normally Closed	Normally Open
PX-PS-1-30Hg	Low vacuum	Purple*	Red	Blue

*Indicates the electrician should use these wires.

Use this chart for United Electric Vacuum Switches only!

TTM Model #	Circuit	Common	Normally Closed	Normally Open
PX-PS-1-30Hg	Low vacuum	*		*

*Indicates the electrician should connect wires to these terminals.

Accessories

Part #	Description	Typical Application
PX-PS-04	DISS union assembly with demand check valve for N2O	Attachment of PS-1-80 switch to pipe line
PX-PS-08	DISS union assembly with demand check valve for CO2	Attachment of PS-1-80 switch to pipe line
PX-PS-12	DISS union assembly with demand check valve for N2	Attachment of PS-10-250 switch to pipe line (two required)
PX-PS-16	DISS union assembly with demand check valve for AIR	Attachment of PS-1-80 switch to pipe line
PX-PS-22	DISS union assembly with demand check valve for VAC	Attachment of PS-1-30 Hg switch to pipe line
PX-PS-24	DISS union assembly with demand check valve for OXY	Attachment of PS-1-80 switch to pipe line
PX-PS-32	DISS union assembly with demand check valve for EVAC	Attachment of PS-1-30 Hg switch to pipe line
PX-FRA-1	½ NPT M x ¼ NPT M with orifice working pressure rated to 3,000 psig	For connection of pressure switch to the piping system. Typically used in emergency reserve in use application.