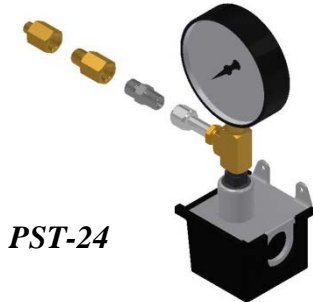


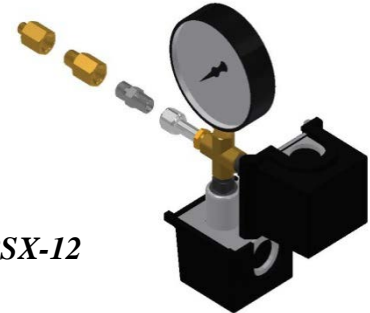
**Pressure/Vacuum Switch, Gauge, and DISS Union Demand Check
Assemblies for Medical Gas Alarm Systems**



PST-24

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

Part numbers shown



PSX-12

Features:

- Removable copper diaphragm capsule
- U.L. and C.S.A. listed.
- Instrument quality snap-action switch
- Normally open or normally closed contacts

PST / PSX Pressure Switch Specifications:

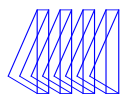
Pressure and vacuum switches for the medical gas alarm system shall incorporate a U.L. listed single pole double throw snap-action micro switch. Normally open or normally closed circuitry shall be field-selected to be compatible with the medical gas alarm system. Electrical rating shall be 10 amperes 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 psi (low line pressure) and 60 psi (high line pressure). High pressure Nitrogen is typically set to alarm at 160 psi (low line pressure) and 200 psi (high line pressure). The Medical Vacuum switch is pre-set at the factory to alarm at 12 in/Hg. Switches are field adjustable (if necessary) by following instructions included.

Order Information:

Part Number	Gas Service	Pressure Switch and Gauge Used
PST-02	Tri-Gas	with High/Low 1-80 psi switch and 0-100 psi gauge
PST-04	Nitrous Oxide	with High/Low 1-80 psi switch and 0-100 psi gauge
PST-08	Carbon Dioxide	with High/Low 1-80 psi switch and 0-100 psi gauge
PST-16	Medical Air	with High/Low 1-80 psi switch and 0-100 psi gauge
PST-22	Medical Vacuum	with single setting 1-30" Hg switch and 0-30" Hg gauge
PST-24	Oxygen	with High/Low 1-80 psi switch and 0-100 psi gauge
PST-28	Medical Breathing Mixture /Carbogen (CO2 7% max)	with High/Low 1-80 psi switch and 0-100 psi gauge
PST-32	WAGD	with single setting 1-30" Hg switch and 0-30" Hg gauge
PST-HYP	Hyperbaric Oxygen	with High (84)/Low (56) switch and 0-100 psi gauge
PSX-08	Carbon Dioxide	with <u>two</u> single setting pressure switches (high 200 psi and low 160 psi) and 0-300 psi gauge
PSX-12	Nitrogen	with <u>two</u> single setting pressure switches (high 200 psi and low 160 psi) and 0-300 psi gauge
PSX-2080	Instrument Air	with <u>two</u> single setting pressure switches (high 200 psi and low 160 psi) and 0-300 psi gauge



Pressure Switch Wiring

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

<i>TTM Model No.</i>	<i>Circuit</i>	<i>Common</i>	<i>Normally Closed</i>	<i>Normally Open</i>
PS-1-80	<i>Low line pressure</i>	<i>Purple*</i>	<i>Blue</i>	<i>Red*</i>
PS-1-80	<i>High line pressure</i>	<i>Brown*</i>	<i>Orange*</i>	<i>Yellow</i>

* Indicates the electrician should use these wires.

Use this chart for United Electric Hi/Low Pressure Switches Only!!

<i>TTM Model No.</i>	<i>Circuit</i>	<i>Common</i>	<i>Normally Closed</i>	<i>Normally Open</i>
PS-1-80	<i>Low line pressure</i>	*		*
PS-1-80	<i>High line pressure</i>	*	*	

* Indicates the electrician should connect wires to these terminals.

Use this chart for Barksdale Vacuum Switch Only!!

<i>TTM Model No.</i>	<i>Circuit</i>	<i>Common</i>	<i>Normally Closed</i>	<i>Normally Open</i>
PS-1-30Hg	<i>Low vacuum</i>	<i>Purple*</i>	<i>Red</i>	<i>Blue</i>

* Indicates the electrician should use these wires.

Use this chart for United Electric Vacuum Switch Only!!

<i>TTM Model No.</i>	<i>Circuit</i>	<i>Common</i>	<i>Normally Closed</i>	<i>Normally Open</i>
PS-1-30Hg	<i>Low vacuum</i>	*		*

* Indicates the electrician should connect wires to these terminals.

Use this chart for United Electric Vacuum Switch Only!!

<i>TTM Model No.</i>	<i>Circuit</i>	<i>Common</i>	<i>Normally Closed</i>	<i>Normally Open</i>
PS-100-1000	<i>Low pressure</i>	*		*
PS-160-3200	<i>Low pressure</i>	*		*

* Indicates the electrician should connect wires to these terminals.

Accessories

Part Number	Description	Typical Application
PS-02	<i>DISS union assembly with demand check valve for Tri-Gas</i>	<i>Attachment of PS-1-80 switch to pipe line</i>
PS-04	<i>DISS union assembly with demand check valve for Nitrous Oxide</i>	<i>Attachment of PS-1-80 switch to pipe line</i>
PS-08	<i>DISS union assembly with demand check valve for Carbon Dioxide</i>	<i>Attachment of PS-1-80 switch to pipe line (two required if high pressure CO2)</i>
PS-12	<i>DISS union assembly with demand check valve for Nitrogen</i>	<i>Attachment of PS-10-250 switch to pipe line (two required)</i>
PS-16	<i>DISS union assembly with demand check valve for Medical Air</i>	<i>Attachment of PS-1-80 switch to pipe line</i>
PS-22	<i>DISS union assembly with demand check valve for Medical Vacuum</i>	<i>Attachment of PS-1-30 Hg switch to pipe line</i>
PS-24	<i>DISS union assembly with demand check valve for Oxygen</i>	<i>Attachment of PS-1-80 switch to pipe line</i>
PS-28	<i>DISS union assembly with demand check valve for Medical Breathing Mixture/ Carbogen (CO2 7% max)</i>	<i>Attachment of PS-1-80 switch to pipe line</i>
PS-32	<i>DISS union assembly with demand check valve for WAGD</i>	<i>Attachment of PS-1-30 Hg switch to pipe line</i>
PS-2080	<i>DISS union assembly with demand check valve for Instrument Air</i>	<i>Attachment of PS-10-250 switch to pipe line (two required)</i>