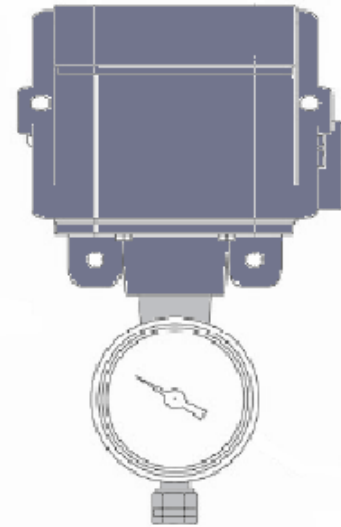




Gas Specific Pressure Switch for 50-55 psig Medical Gas Alarm Systems

Features

- Normally open or normally closed contacts
- NEMA 4 water-tight housing with mounting brackets
- UL listed instrument quality snap-action switch
- Pressure Switches for “normal” 50 psig systems
- Pressure gauge with 2” dial
- Gas specific demand check fittings



Specifications

Genstar Technologies gas specific pressure switch assemblies are designed to monitor medical gas pipeline systems operating at nominal pressures of 50-55 psig. The switches shall be UL listed single pole double-throw snap action micro-switches. Electrical ratings are a minimum of 5 amps at 125 volts. Switches are factory preset to signal the master alarm system when the pipeline pressure increases to 60 psig or decreases to 40 psig (20% increase or decrease from nominal pressure as recommended by NFPA 99).

Genstar Technologies pressure switch assemblies are compatible with medical gas alarm systems sensing fault on either the opening or closing of the switch contacts.

The switch enclosure is epoxy powder coated die-cast aluminum with gasketed cover and captive screws. The switch cover is easily removable to provide access to the switch contact terminals and adjustment screws. Each switch is provided with 1/2” clearance holes for optional

wall mounting of the assembly. A 3/4” NPT female connection is provided for the optional addition of a flexible conduit. (A 2’ flexible conduit whip is suggested for connection to the switch to allow for annual testing purposes, as required by NFPA 99, without removing electrical connections).

The pressure switches are rated to 125 psig proof pressure and are field adjustable for non-standard operating systems. The low set point may be adjusted from 20 to 90 psig on decreasing pressure and the high set point may be adjusted from 30 to 90 psig on increasing pressure. The approximate deadband for the switch is 4 psig.

The switch assembly will consist of the pressure switch, 2” diameter, 0-100 psig pressure gauge and gas specific DISS nut and nipple assembly for connection to the demand valve installed on the pipeline.

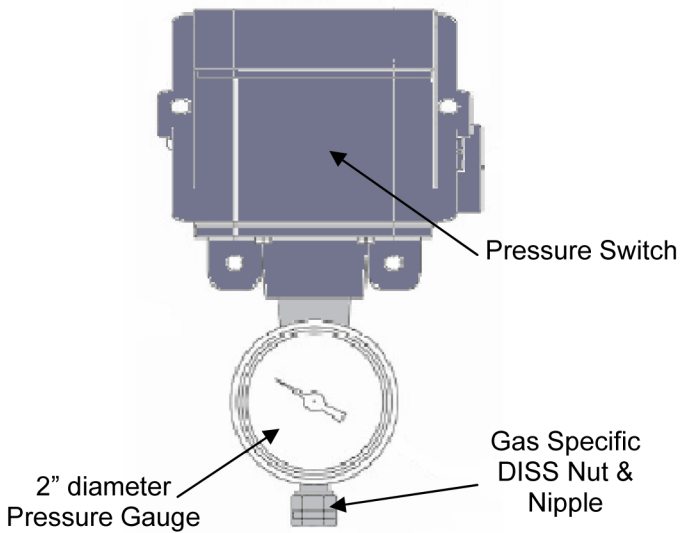
(DISS demand valve must be ordered separately)

Gas Specific Pressure Switches, 50-55 psig, With Gauge

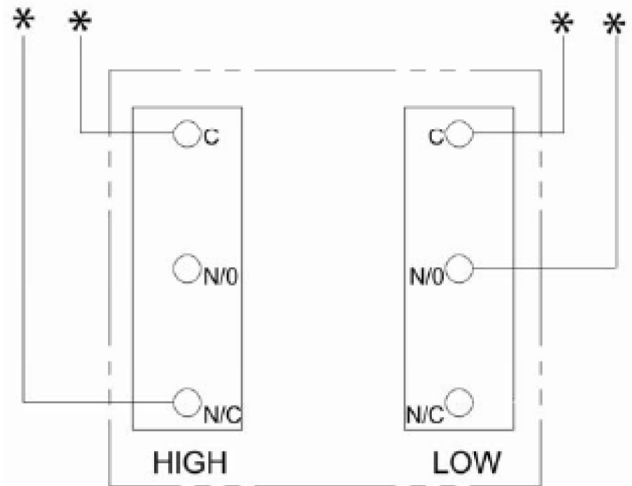
Gas Service	Part Number	Low Set	High Set	Gauge	DeadBand
Oxygen	PSG-100-O	40 psig	60 psig	0-100 psig	4 psig
Medical Air	PSG-100-A	40 psig	60 psig	0-100 psig	4 psig
Carbon Dioxide	PSG-100-C	40 psig	60 psig	0-100 psig	4 psig
Nitrous Oxide	PSG-100-2	40 psig	60 psig	0-100 psig	4 psig

PROJECT _____

Pressure Switches for Alarm Systems



Typical Wiring Diagram



* Terminals to be used for Genstar Technologies alarm panels and other systems sensing fault on electrical contacts opening.

DISS Demand Check with 1/4" NPT

Gas Service	Part Number
Vacuum	DISSM-V-NT4/CV
Medical Air	DISSM-A-NT4/CV
WAGD	DISSM-W-NT4/CV
Carbon Dioxide	DISSM-C-NT4/CV
Instrument Air	DISSM-IA-NT4/CV
Nitrogen	DISSM-N-NT4/CV
Nitrous Oxide	DISSM-2-NT4/CV
Oxygen	DISSM-O-NT4/CV

REPRESENTED BY:



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