

Technical Specification

Pressure sensor for CPX Area Alarm Panel

Product Description

The CPX Pressure sensors provide indication for 3 conditions of gas, normal pressure, high pressure and low pressure for Positive Medical gas types. 2 conditions are provided for Negative Medical gas Vacuum normal pressure and low pressure. The switch point and normal condition shall be designed to give a normal closed circuit. The pressure switch assembly can be either integral inside AVSU or external on Brass block assembly.



Each pressure switch shall be connected to the pipeline on a 100% gas tightness with removal Dowty bonded type seal, O-ring shall not be used to avoid blocking of pressure and creep. A brass block with twin 1/4" BSP port incorporating minimum leak to enable live change of pressure switch. Pipeline connection shall be a copper stub pipe to EN13348 and minimum leak brass 1/8" connection including Viton seal for 100% gas tightness.

Each assembly shall be factory tested to 18bar, batch number to indicate compliance and acceptance, preset to customer requirement. Gas is monitored separately to be supplied in a kit to include:

Positive Gas

- Pressure Switch High including part number label
- Pressure Switch Low including part number label
- Dowty bonded seal x 2
- Twin port minimum leak brass block
- Copper tub pipe assembly and Viton O-Ring seal
- Batch test number

Vacuum

- Pressure Switch Low including part number label
- Dowty bonded seal x 2
- Blank plug
- Twin port minimum leak brass block
- Copper tub pipe assembly and Viton O-Ring seal
- Batch test number





File To Be Drawn	Drawn by	Checked by	Approved by	Date	Scale	All Dimensions in mm unless otherwise stated
Do Not Scale	K.J.P.			06/05/2014	M15	
	PRECISION UK Ltd CPX Technology Building, Potter Road, Haslemere, Surrey, GU27 1HP Tel: 01424 867242 Fax: 01424 867285 Email: info@precisionuk.co.uk www.precisionuk.co.uk					
						Pressure Switch Block Assemblies
						PSW - BLK - ASS - C
						Revision Sheet
						2 1/1



Pressure switch specification

- 24A/F Brass body
- Silver AgNi spade terminal points
- Max Switch Voltage 48V
- Max switch current 0.5A
- Mechanical working life 10(6) operations
- 1/4BSPP
- Weight 70 gram
- Nitrile diaphragm over pressure safe up to 35 bar
- Degreased for Oxygen and Medical Gas Service.

Type

- High pressure positive gas-HILOWPRESSASSEM-N/C
- Low pressure positive gas-HILOWPRESSASSEM-N/O
- Low pressure Vacuum-LOWVACASSEMB-N/O

Normal is closed circuit- when the pipeline pressure rises or falls the pressure switch shall open to indicate an OPEN condition to the CPX-A area alarm. The appropriate lamp will flash and the audible alarm will sound.

Options include:

- Pressure switch boot
- Pre wired with up to 2mtr
- Termination box

