

⚠ WARNING

To avoid unpredictable system behavior that can cause personal injury and property damage:

- Disconnect electrical supply (when necessary) before installation, servicing, or conversion.
- Disconnect air supply and depressurize all air lines connected to this product before installation, servicing, or conversion.
- Operate within the manufacturer's specified pressure, temperature, and other conditions listed in these instructions.
- Medium must be moisture-free if ambient temperature is below freezing.
- Service according to procedures listed in these instructions.
- Installation, service, and conversion of these products must be performed by knowledgeable personnel who understand how pneumatic products are to be applied.
- After installation, servicing, or conversion, air and electrical supplies (when necessary) should be connected and the product tested for proper function and leakage. If audible leakage is present, or the product does not operate properly, do not put into use.
- Warnings and specifications on the product should not be covered by paint, etc. If masking is not possible, contact your local representative for replacement labels.

Introduction

Follow these instructions when installing, operating, or servicing the product.

Application Limits

These products are intended for use in mobile general purpose compressed air systems only.

Operating Inlet Pressure	kPa	PSIG	bar
Pressure Max.	2067	300	20
Adjustment Range	kPa	PSIG	bar
Spade Pressure	103 / 1034	15 / 150	1 / 10
(Shipped preset at 50 PSIG - 3.4 bar)			

Ambient Temperature Range -40°C to 105°C (-40°F to 220°F)
 Ambient & Medium

Symbol



Technical Specifications

P04159 Switch Position	Normally Closed
P04160 Switch Position	Normally Open
Electrical Rating	100VA / 24VDC
Electrical Life	4 Amp In Rush @ 12VDC >2,000,000 Cycles
Repeatability	= ±5% @ 70°F (20°C) Ambient Temperature
Mechanical Life	= >2 x 10 ⁶ @ 75 PSI (5 bar)
Deadband (Avg. Diff.)	= <5% of Full Set Point Range

Installation Instructions

1. The pressure switch should be installed with reasonable accessibility for service. Pipe joint compound should be

applied sparingly, and only to the male threads, never to the female threads. Do not use PTFE tape to seal joints - pieces have a tendency to break off and lodge inside the unit, possibly causing malfunction.

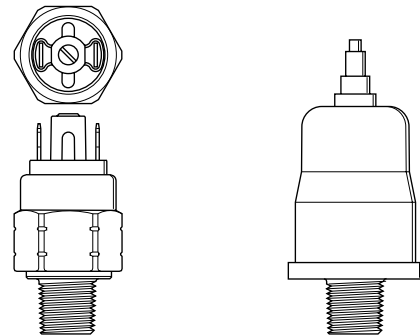
2. Install pressure switch in gauge ports, manifold blocks, or any airline application. Mounting may be in any position.
3. Installing a filter upstream of the pressure switch will provide added protection against rust, pipe scale, and other foreign matter.

Operation

1. Description:
 - N.O.: The pressure switch monitors air pressure and provides an electrical output when the pressure exceeds an adjustable preset pressure.
 - N.C.: The pressure switch monitors air pressure and provides an electrical output when the pressure is below the adjusted preset pressure.
2. Adjustment:
 - Spade**
 - A. Using a flat head screw driver, turn the adjustment screw clockwise to increase set point or counterclockwise to decrease set point.

Kits and Accessories

Rubber Boot P04161



Spade

Rubber Boot / Switch Assembled

⚠ WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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