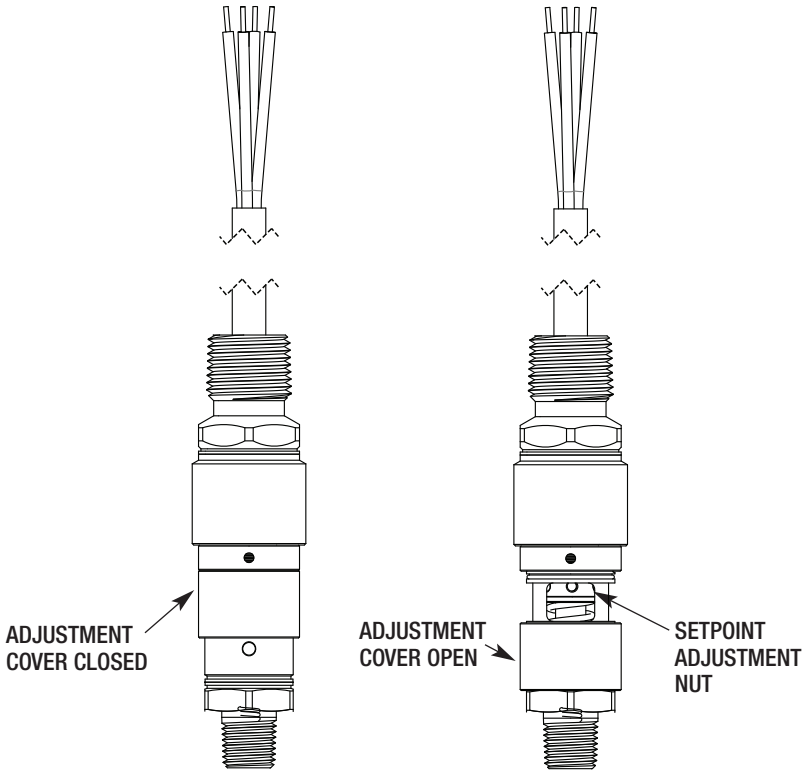
# MPS25 SERIES
# PRESSURE SWITCH – FIELD ADJUSTABLE
# INSTALLATION & MAINTENANCE INSTRUCTIONS

ProSense™




***Scan or Click on the QR Code above or go to https://www.automationdirect.com/VID-PR-0005 for a short video on How to Calibrate a MPS Series ProSense Pressure Switch***

**SLIDE COVER DOWN TO ACCESS SETPOINT ADJUSTMENT SLIDE COVER UP TO CLOSE AND SEAL ADJUSTMENT**

**ROTATE LEFT ← TO INCREASE SETPOINT**
**ROTATE RIGHT → TO DECREASE SETPOINT**
**Ø .095˝ OR SMALLER TOOL REQUIRED TO ROTATE NUT**

**LISTED**
(only on cable version)

## INTRODUCTION

The MPS25 series pressure switch has NEMA 6, IP67 rated 316 stainless steel housing and process connections. The set-point is field adjustable and can easily be adjusted by following the instructions in the diagram above.

## ELECTRICAL CONNECTION

The MPS25 series switch is available with either a DIN 175301-803C connector or a 6-foot integral cable with ½˝ MNPT conduit connection. Refer to the figures on other side for wiring color codes and identification of terminals.

- Only trained and skilled personnel are allowed to attach the wires to the electrical terminals of the switch.
- Cable couplers, glands and conduit connectors must have the correct electrical approvals as required by local electrical codes.
- The ground wire/connector is connected to the switch housing.

## SWITCH RATINGS

| TYPE | VAC RATING | VDC RATING |
|---|---|---|
| SPDT | 3A @ 125VAC | 2A @ 30VDC resistive |

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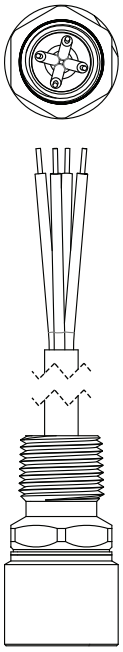

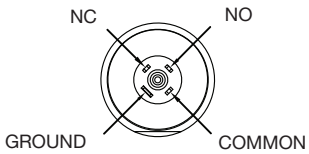


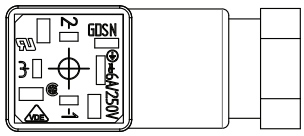


| WIRE COLOR/FUNCTION | |
|---|---|
| **WIRE COLOR** | **FUNCTION** |
| RED | NORMALLY CLOSED |
| WHITE | COMMON |
| BLUE | NORMALLY OPEN |
| GREEN | GROUND |

1 – COMMON
2 – NORMALLY CLOSED
3 – NORMALLY OPEN
4 – GROUND

## INSTALLATION

- To minimize the risk of injury, the switch enclosure must be selected according to the area classification and installed according to the required safety and electrical codes.
- Torque should always be applied to the Hex portion of the body, never to any other part of the body for it may alter the setpoint. It is recommended that Teflon tape or other sealant be used on the threads prior to installing to prevent leaks in the system.
- The ambient temperature limits for the switches are –40° to 100°C (–28 to 100°C for 200 psi switches), –40° to 212°F (–18 to 212°f for 200 psi switches).
- Switch should be protected from excessive shock and vibration.
- The setpoint adjustment cover should be closed at all times when the switch is in operation.

## CAUTIONS

- Always close the setpoint adjustment cover switch after making any setpoint adjustments.
- Do not exceed current or voltage limits.
- The protection degree of the switch is only valid when the switch is installed in accordance with all safety and electrical codes and regulations.

***Note: As with any instrument, it is recommended that regular inspections of operation and set points are performed.***

## CLEANING

- Never use aggressive solvents.
- Do not use high pressure water to clean the switch.

## MAINTENANCE/TROUBLESHOOTING

- All ProSense MPS25 series switches require little or no maintenance.
- Be sure the setpoint adjustment cover on the switch is closed at all times.
- When the switch is exposed to process media that may harden and/or build up in the pressure port, the switch should be removed and cleaned as required.
- If the switch does not function, only trained and skilled personnel should check on the wiring, power supply and/or mounting.
- If the problem cannot be solved, please contact Automation Direct Technical Support.

## SETPOINT ADJUSTMENT

The MPS25 series switches have a field adjustable setpoint. To adjust the setpoint follow the instructions in the diagram on the front of this document. The pressure switch operates as follows:

- Normally Open contact will close when the pressure is raised from 0 psig to the setpoint. The resetpoint is then measured from the setpoint, reducing the pressure until the Normally Open contact opens.

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