



# Pressure Switch - Field Adjustable Installation and Maintenance Instructions



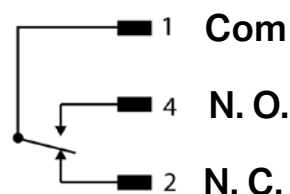
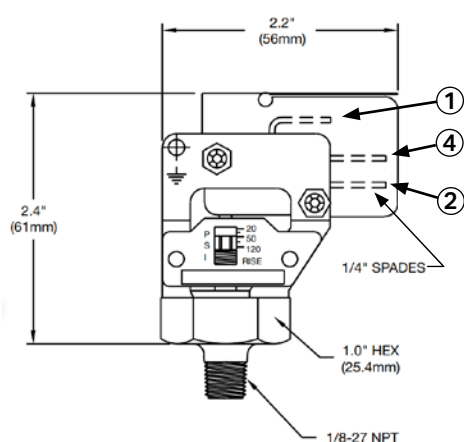
AchieVe low pressure switch is a precision electrical control device that monitors system pressure and activates when a predetermined set point is reached. These adjustable low pressure switches use proven snap-action technology with elastomer diaphragms to deliver reliable, instantaneous switching in pneumatic and hydraulic applications.

The switch maintains its state, with contacts either open or closed, until media pressure reaches the precise set point, then snaps decisively to a new state.

The S18 pressure switch delivers maximum functionality, making them ideal for applications where space is premium while maintaining full performance capabilities.



**S18-1C**



## 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<sup>®</sup> tape or other sealant be used on the threads prior to installing, to prevent leaks in the system.
- Operating temperature limits for the switches are -20 to +220 °F (-29 to +104 °C).
- Switch should be protected from excessive shock and vibration.

## Cautions

- 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.

## Cleaning

- Never use high-pressure water to clean switch
- Never use aggressive solvents to wash switch

## Maintenance

- All AchieVe pressure switches require little or no maintenance.
- 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 pressure switch operates as follows:

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