



## MPL 4100 Series High-Pressure Switch

### World Leader in Pressure Switch and Sensor Design

MPL 4100 is a media isolated automatic reset pressure switch, using snap-dome technology for robust and accurate switching in a wide variety of applications.

MPL 4100 is designed for low-cost OEM application; MPL 4100 features a unique new calibration system which enables highly accurate settings from 10 to 650 psi with lower hysteresis than conventional pressure switches.

Available pressure ports include straight copper tube or Schrader-fitting. Standard models provide push-on terminals for quick connection. Wire leads are also available to custom length in OEM quantities.

MPL has been a leading global supplier of pressure sensor & switches for over 35 years.

### Features & Benefits

- Customer Engineered Solutions
- Hermetically Sealed Sensing Mechanism
- Environmentally Sealed Leads
- Flexible Set Point Range
- Fixed Set Points
- Single Pole, Single Throw
- Normally Open/Normally Closed
- Historically Proven Reliability

### Applications

- Air Conditioning
- Engine Oil
- Compressors & Pumps
- Process Controls
- Automation
- Agricultural & Construction Equipment
- Hydraulics

### Technical Specifications

#### Mechanical

**Body:** Thermoplastic  
**Diaphragm:** Stainless Steel  
**Wires:** 18 gauge standard, can accommodate many wire configurations  
**Fitting:** Copper tube or 1/4" flare with Schrader Valve Depressor  
**Form:** NO/NC SPST

#### Functional

**Pressure Range:** 20-650 psig  
**Burst Pressure:**  
 5,000 psi with 1/4" flare  
 1,000 psi with copper tube

#### Proof Pressure

**Set Point**

<100 psig	250 psig (17 Bar)
100-500 psig	600 psig (41 Bar)
>500 psig	800 psig (55 Bar)

**Current:** 2 amps max  
**Life at Rated Current:** 100,000 cycles  
**Electrical Termination:**  
 2-18 AWG 600V 125°C  
 XLP UL 3290  
**Electrical Rating:**  
 120/240 Vac – 6.0 FLA  
 36 LRA