The Series MDPC is a slim, gas pressure sensor that is small in size and light in weight. This pressure controller supports many installation methods and features high measurement accuracy. This small controller yields excellent stability, high shock and vibration resistance. The MDPC also provides good over-load capacity and heat resistance.

The MDPC is available in NPN, PNP, analog voltage or current output control modes.

**FEATURES**
- Energy saving mode
- 3-color display with selectable color options: green, red and orange
- Analog output function
- Parameter copy function
- Unit conversion function: inHg, psi, kPa, mmHg, kg/cm² and bar
- 10 sets of user selectable output response times
- Key lock function
- Fast zero reset

**SPECIFICATIONS**
- Service: Non-corrosive gas.
- Wetted Materials: Brass with nickel plating.
- Housing Materials: Polycarbonate, polybutylene terephthalate.
- Accuracy: ±3% of full range.
- Pressure Limits: MDPC-1: 29 psi (200 kPa); MDPC-2: 217.6 psi (1500 kPa).
- Temperature Limits:
  - Operating: -40 to 185°F (-40 to 85°C);
  - Storage: -4 to 149°F (-20 to 65°C);
  - Ambient: 32 to 122°F (0 to 50°C).
- Display:
  - 2-line LCD display, 4 digits for measured value and 3.5 digits for setup display.
- Power Requirements: 12 to 24 VDC ±10% no isolations.
- Power Consumption: 40 mA max.; Current output type 60 mA max.
- Process Connections: 1/8˝ NPT, inner connection M5, for 1/8˝ PT contact factory.
- Weight: 1.3 oz (36.85 g).

**SWITCH SPECIFICATIONS**
- Switch Type: NPN or PNP.
- Electrical Rating: 100 mA @ 30 VDC.
- Response Time: Programmable to 2ms, 4ms, 10ms, 30ms, 50ms, 100ms, 250ms, 500ms, 1000ms or 5000ms.
- Display Cycle: Programmable to 10ms, 250ms, 500ms or 1000ms.

**TRANSMITTER SPECIFICATIONS**
- Output Signal:
  - 1 to 5 V: Minimum output load resistance 1000 Ω;
  - 4 to 20 mA: Maximum output load resistance 400 Ω.
- Zero and Span Adjustments: Menu scalable within the range.