

# WATER PRESSURE SENSORS

*Pressure sensor & pressure switch used for pressure sensing & valve ON/OFF recognition*



## ANALOGUE PRESSURE SENSOR

The pressure transmitters are precision-engineered devices designed to measure pressure in various industrial applications. They are robust, compact, and cost-effective, featuring high-strength stainless steel construction, automatic temperature compensation, and EMI/RFI protection. These transmitters are suitable for applications that require high accuracy and reliability under extreme environmental conditions.

**Pressure Type:** Gauge

**Measuring Range:** Bar: 0-6 bar, 0-10 bar and 0-16 Bar

**Accuracy:**  $\leq \pm 1.0\%$  F.S (typical)

**Stability:** 0.2% F.S  $\pm$  0.05%/year

**Working Temperature:**

corrosive medium: -20°C to 80°C

non-corrosive medium: -40°C to 80°C

**Output:** 4-20mA

**Power Supply:** 7-30Vdc

**Electrical Connection:** Direct cable outlet (IP67)

**Pressure Connection:** 1/4" NPT male

**Rating:** IP65

**Response Time:**  $\leq 20$ ms



## ON/OFF PRESSURE SENSOR

A high-pressure air (HPA) pressure switch monitors and controls the water pressure in irrigation systems to maintain optimal performance. It ensures that pumps and valves operate within safe pressure limits, preventing system damage and ensuring efficient water distribution. By activating or deactivating equipment based on pressure readings, it enhances the reliability and longevity of irrigation systems.

**Adjustment Range:** 15-80 PSI ; 1.03-6 Bar

**Temperature Range:** BPDM: -23°C to 121°C

**Switch Type:** Snap Action

**Electrical Connection:** 18" Flying Leads (IP69)

**Pressure Connection:** 1/4" BSPP male

**Max. Overpressure:** 250 PSI (17 Bar)

**Mechanical Life:** 1,000,000 cycles







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