

PRESSURE CONTROLLER WITH INDICATOR

MODEL BR-PCS



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Pressure Controller with Indicator

PRODUCT OVERVIEW:

The Blue Ribbon Model BR-PCS is an intelligent pressure controller with an array of functions that include 4-20mA, 2-way PNP or NPN and 1-way relay output. The compact stainless steel design with integrated display provide local real time pressure and switch state readings.

FEATURES:

- Rugged stainless steel construction
- IP67 Protection
- LED displays both pressure and switch status
- Compact body rotates 320 degrees
- Over-voltage, over-current and reversed polarity protection
- Pressure displayed in MPa, kPa, PSI, Bar, and mBar
- 4-20mA output with 2-way PNP
- 2-way NPN, 2-way PNP, or 1-way relay options
- 8-24 Vdc and optional 220Vac power supply

SPECIFICATIONS:

- Overpressure: 1.5 x FS
- Pressure Ranges: 0 to 8700 PSI (60MPa) gauge or absolute
- Accuracy: $\pm 0.25\%FS$, $\pm 0.5\%FS$
- Screen Display: OLED with resolution 128x32
- Display Refresh Time: 1s, 0.5s, 0.2s (default), 0.1s
- Transistor Output: 2-way PNP or 2-way NPN
- Switch Current: $\leq 0.4A$
- Analog Output: 4mA–20mA
- Relay Output: One-way (SPDT)
- Switch Voltage: $\leq 250VAC/30VDC$
- Switch Current: $\leq 3A$
- Relay Life: 10,000,000 times/min. load, 100,000 times/max. load
- Media Temperature: $-20\text{ }^{\circ}\text{C}\sim 80\text{ }^{\circ}\text{C}$
- Storage Temperature: $-40\text{ }^{\circ}\text{C}\sim 80\text{ }^{\circ}\text{C}$
- Repeatability: $\leq \pm 0.1\% FS$
- Thermal Drift: $\leq \pm 0.2\% FS/ ^{\circ}\text{C}$
- Response Time: $< 30ms$
- Weight: 280g
- IP67 Protection