**Applications:**
- Water Pressure Booster Control Station.
- Liquid Pressure Control for Pressure Booster Tanks and Buildings.
- Most Fluid Pumping Control Applications Where Constant Flow or Pressure is Required

**Features:**
- Controls up to 2 pumps with built-in alternation and time delay between pump starts.
- Accepts 2 types of sensors including any 4-20 mA pressure transmitter and floats switches.
- Automatically selects a backup sensor in the event the primary sensor fails. If the primary sensor fails then the system will operate with a backup 4-20 mA signal sensor (optional) or backup floats.
- On, Off, High, and Low setpoints adjustable from front panel or remotely via serial port.
- Low supply pumps shutdown input.
- 40 segment bargraph displays pressure, and setpoints.
- External digital pressure display available.
- Pumps, sensors, and alarms status indicators on front panel.
- Front panel test knob for simulated pressure input testing.
- 4-20 mA signal output proportional to pressure.
- RS-232 serial port for SCADA communications support.
- Uses non-volatile memory allowing system to retain program software and setpoints during power loss.
- Proven software that allows for easy setup and reliability.
- Custom software available from factory.

**Description:**
The Pressure Controller II 11928-8 (PC2) is a control and display unit which automatically controls up to two single speed pumps. It is designed to be the heart of a duplex pump control system for pressure booster stations, tanks, buildings, and other fluid pumping applications. The PC2 provides built-in pump alternation, pump start time delay, high and low pressure alarms. It can use any 4-20 mA pressure transmitter as well as backup float switches. The PC2 is also capable of using up to two additional 4-20 mA input signals as backup sensors in the event that the primary sensor fails. The controller automatically detects and uses the sensor type which is present and working. The PC2 also includes an RS-232 serial communications interface designed to support SCADA systems using a variety of Modbus based communication devices giving the unit remote data acquisition, monitoring, and control capability.

**Specifications:**
- **Input Power:**
  - 12 VAC ±10%, 3 A max.
- **Operating Temperature Range:**
  - -30°C to +60°C (-22°F to +140°F)
- **Accuracy:**
  - ±0.25% of span
- **Display Resolution:**
  - 2.5%
- **Ranges:**
  - Limited to external level sensor pressure range
- **Inputs (Non-isolated):**
  - 2 - Pump disables
  - 5 - Float switches
  - 1 - 4-20 mA level sensor (standard)
  - 2 - 4-20 mA backup level sensors (optional)
- **Relay Outputs:**
  - Pump 1, 2, and High Alarm - SPST Form A - 15 A at 125 VAC
  - Low Alarm - SPDT Form C - 10 A at 125 VAC
- **Discrete Outputs:**
  - System Error - Open Drain FET, Non-isolated
- **4-20 mA Current Loop Output:**
  - Non-isolated transmitter
  - Total compliance of 12 VDC
- **Transient Protection:**
  - Metal Oxide Varistor
- **Interconnect:**
  - Pluggable terminal blocks (screw type)
  - Relays quick connect terminals (#250 tab)
  - DE-9 connector for RS-232 Bus
- **Communications Protocol:**
  - Modbus ASCII
- **External Dimensions:**
  - 6.10"H x 7.70"W x 3.70"D
- **UL File Number:**
  - E201217