

MODEL 900R SOLENOID CONTROLLER

The Model 900R Modular Solenoid Controller is a rugged, cost effective control module that is designed for interfacing high-performance solenoid actuators (such as Acro's Model 955 and 958 Solenoid Pinch Valves) to computer systems and digital logic. **Its primary purpose is to provide Pulse & Hold actuation, which increases the performance of solenoid valves by optimizing power consumption and minimizing heat generation.**



STANDARD FEATURES

- **High Output Drive:** 5.0A.
- **Pulse Width Modulation (PWM) Mode** conserves energy and reduces waste-heat production.
- **Integrated Current Sensor** analyzes load current for additional power savings, making it 3 to 10 times more power efficient.
- **Opto-Isolated Differential Trigger** (user interface) and can be directly wired to relays, transistor logic, digital I/O boards and PLCs.
- **Protection** against short-circuits, power reversal on its supply pins, and over/under current conditions.
- **Multi-Color Diagnostic LED** for easy configuration and diagnosis.

SPECIFICATIONS

Model	Power	Drive Current	Drive Power	PWM Frequency	Trigger Port	Mounting Design
900R	Electric 8-32 VDC 480mW	5.0A Max.	150W Max.	24.0—26.5k HZ	2-10V / 1-9mA 5000V Opto-Isolation	Panel

Packaging: OEM Style Printed Circuit Board.
Interconnect: AMP 641215-4 (4-Pin); AMP 641215-2 (2-Pin)

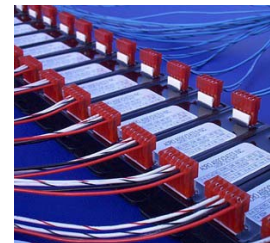
CUSTOM VALVES & SYSTEMS

AVAILABLE OPTIONS

- **Custom Software** packages are available for applications requiring unique functionality.
- **Closed-loop Controller** for valves with position sensing reads feedback from position sensors and monitors faults.

Acro will modify its standard designs to tailor a product for your application. Where a custom design is required, we will partner with your engineering staff to produce a proprietary valve or system. Our 25+ years of design experience allows us to customize valves and systems to meet your exact needs.

**Product shown-
Customized Controller**



Acro's pinch valves have been successfully used in applications where precise control of sterile fluids is required...

- Blood analyzers to control test samples and fluids.
- Kidney and peritoneal dialysis machines.
- Surgical suction lines for body fluid recovery.
- Arterial catheterization procedures.
- Multi-fluid drug delivery and control systems.
- Food and beverage dispensing equipment.
- Metering and injection services.
- Analyzing and sampling instrumentation.
- Feed and anti-siphon control systems for high viscosity, powders and abrasive fluids.
- Wafer processing and photo-resist equipment.
- Peristaltic pump systems to handle on/off and emergency stop functions.