

# Bulletin 931 Analog Signal Conditioners

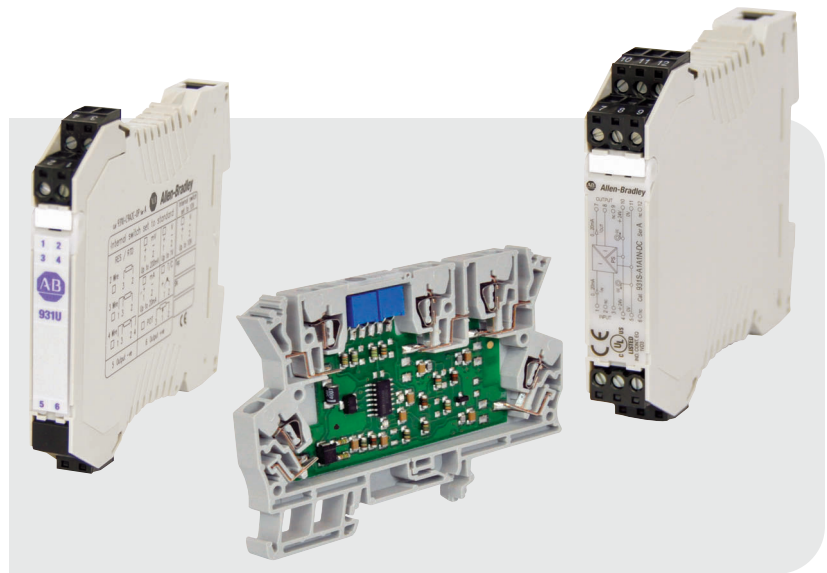
## Analog Signal Conditioner Functionality

Analog Signal Conditioners are designed for use with Rockwell Automation I/O systems to provide reduced installation and maintenance costs in process applications. The products are available with single, 2-way or 3-way isolation and provide the following functionality.

- Isolation of analog measurement and control signals
- Conversion of analog signals from Voltage to Current (i.e. 0-10V to 4-20 mA).
- Amplification, linearization and transmission of low level sensor signals (i.e. mV signals from thermocouples).
- Transmission of analog signals over long distances
- Provide local status indications and alarms via relay contact closures based on the analog signals

## Typical Applications

- Feed and Conveyor Control
- Boiler and Heat Control
- Water & Effluent Treatment
- Machine Speed and power
- Product Thickness and Alignment
- Batching, Mixing and Weighing
- Crystallization Control
- Valve Position Control
- Tanks and Silos – Inventory Control
- Chemical Dosing
- Safety Interlocks and Shutdown
- Pollution Control
- Refrigeration and Storage
- Dust Control



Rockwell Automation is pleased to introduce the Allen-Bradley Bulletin 931 Analog Signal Conditioner product line. This new offering provides a wide range of products for use wherever temperature, pressure, speed, weight, level, and flow are measured and controlled as part of a continuous or batch production process.

Your facility or working environment needs to operate in a specific manner to reach maximum efficiency and profitability. The Bulletin 931 Analog Signal Conditioners are designed to help you convert, isolate and amplify signals in your applications and can isolate between multiple field measurement devices on a common power supply to help prevent interference that can occur due to ground loops or common mode noise.

In addition, these DIN-rail mounted analog signal conditioners are compatible with all types of integrated PLC and DCS I/O systems and can be integrated with our PlantPAx Process Automation System to leverage a single control platform for batch, drives, motion control, process and safety.

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