



ADTECH
Analog-Digital Technology, Inc.

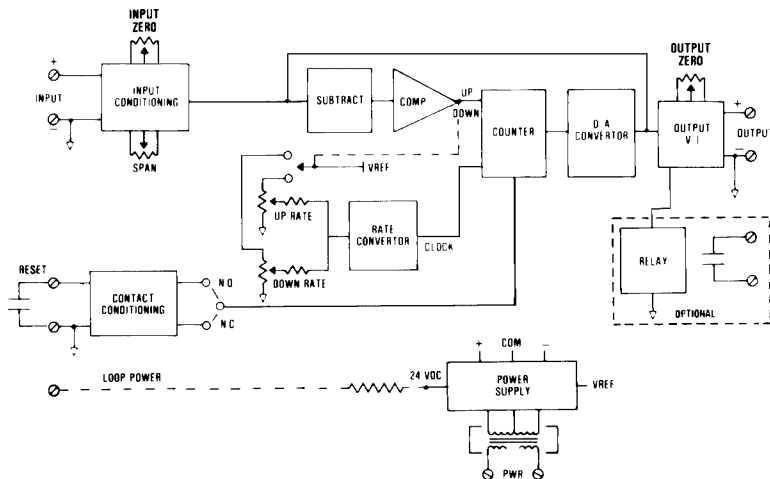
The Adtech Model ARB 96 Adjustable Ramp Buffer provides an accurate and economical means of limiting/controlling the rate of change of an input process signal such as 4-20 mA DC.

If the rate of change exceeds the preset high or low limit, the output goes into the ramp mode at the preset rate. As long as the rate of change is below the preset limit, the output follows the input.

Uprate and downrate are independently adjustable by two infinite resolution potentiometers in front of the instrument. Optionally, a rate limit alarm relay output may be ordered.

An external contact input allows the output to be instantaneously reset to zero percent of range for the duration of the contact command as a standard feature and may be used to initiate a soak cycle, or interface a relay to a modulating valve.

The ARB 96 provides standard process current or voltage signals on the output with a maximum of 10 mV P/P output ripple.



Features

- **Rate Limit Range:** 0.1 sec. to 50 days
- **DC Current Inputs:** 4-20 mA, etc.
- **DC Voltage Inputs:** 1-5 VDC, etc.
- **High-Input Impedance:** 10 megohms minimum
- **Zero-Based Inputs:** Current and voltage
- **DC Process Signal Outputs:** Current and voltage
- **Repeatability:** $\pm 0.02\%$ of span
- **High Accuracy:** $\pm 0.1\%$ of span

Adjustable Ramp Buffer

Model No. ARB 96

Typical Applications

- **Rate-of-change alarm or relay**
- **Soft start/shutdown**
- **Furnace heat up or cool down; rate of temperature change limiting (thermal shock limiting)**
- **Rate-limited transmitter**



