



ADTECH

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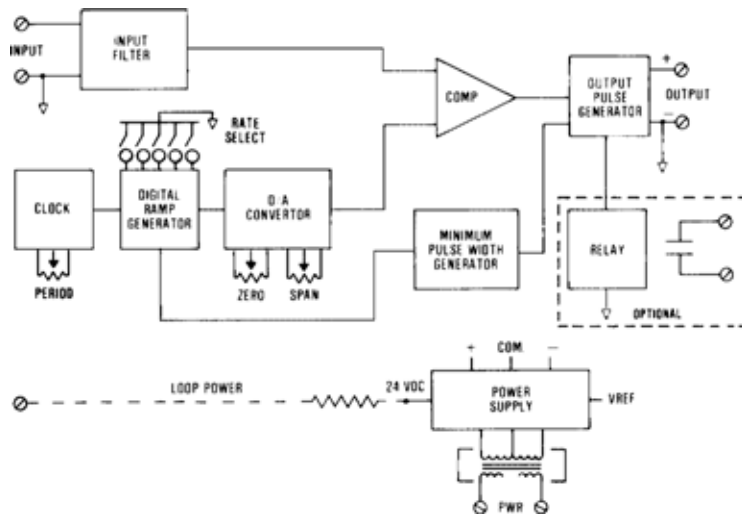
PULSE DURATION TRANSMITTER MODEL NO. PDT 80

THE ADTECH MODEL PDT 80 PULSE DURATION TRANSMITTER CONVERTS A STANDARD ANALOG PROCESS SIGNAL INPUT TO AN OUTPUT PULSE. THE PULSE DURATION ON TIME, IS LINEARLY PROPORTIONAL TO THE ANALOG INPUT SIGNAL AMPLITUDE WITH THE REPETITION TIME ADJUSTABLE OVER A 1:1 TO 1,000:1 PRE-SELECTED RANGE.

THE PDT 80 PROVIDES 24 VDC PULSE SIGNALS ON THE OUTPUT. THE OUTPUT STAGE IS SURGE PROTECTED AND CAN BE DIRECTLY CONNECTED TO TELEPHONE LINES FOR DATA TRANSMISSION. OPTION O 17 PROVIDES MERCURY-WETTED CONTACT CLOSURE OUTPUT.

RECALIBRATION TO OTHER DESIRED RANGES IS CONVENIENT. THE PDT 80 HAS A HIGH ADJUSTABILITY RANGE. THE USE OF TEMPERATURE-STABLE, LOW-NOISE COMPONENTS PROVIDES EXCELLENT STABILITY AND NOISE IMMUNITY.

THE PDT 80 INCORPORATES THE LATEST DIGITAL AND ANALOG DESIGN AND COMPONENTS, UTILIZING TIME-PROVEN TECHNIQUES FOR RELIABILITY, ACCURACY, AND SERVICEABILITY.



TYPICAL APPLICATIONS

- DATA TRANSMISSION/TELEMETRY WILL METSMETER-TELETAX-DURAPULSE
- TIME-PROPORTIONING TEMPERATURE CONTROL
- PROPORTIONAL FLOW CONTROL INCREASING OR DECREASING WITH SOLENOID VALVES
- INDUSTRY APPLICATIONS:
 - SUGAR REFINING
 - PULP AND PAPER
 - FOOD PROCESSING
 - METALS AND MINING
 - WATER TREATMENT
 - LIMING PROCESS
 - BLEACHING
 - CREAM AND BUTTER PROCESSING
 - ORE FLOTATION PROCESS

FEATURES

- DC CURRENT INPUT: 4-20 MA, ETC.
- DC VOLTAGE INPUTS: 1-5 VDC, ETC.
- HIGH INPUT IMPEDANCE: 10 MEGOHMS MINIMUM
- ZERO-BASED INPUTS: CURRENT AND VOLTAGE
- LOW IMPEDANCE CURRENT INPUTS: 1/10 STANDARD-OPTIONAL
- PULSE DURATION OUTPUTS: 0.1 TO 300 SECONDS OVERALL PERIOD
- SELECTABLE RANGES: 0 TO 2, 0 TO 13.33, 1 TO 5 AND 3 TO 12 SECONDS ARE TYPICAL OUTPUT RANGES
- OUTPUT RESPONSE: ONE PERIOD
- DIGITAL ACCURACY: 1 PART IN 40%



