



The RW714 is a meter mounted signal amplifier. It amplifies and conditions low amplitude signals such as those developed by a magnetic pickup coil. The amplitude of the squarewave output equals the input power supply voltage. Signal amplification and conditioning permits trouble-free interfacing between low-amplitude signal sources and electronic devices requiring pulse inputs.

The sensitivity adjustment permits the RW714 to discriminate

between a signal and noise by increasing (CCW) or decreasing (CW) the input signal amplitude necessary to be processed as a valid signal. This adjustment, in conjunction with direct meter mounting, allows the RW714 to operate effectively in noisy environments.

The RW714 contains a built-in test oscillator that enables the operator to verify the amplifier's operation without a signal source. The power LED illuminates when the input power supply is present.

## Model RW714 Specifications

### Power input:

5-28 VDC ( 12mA @12VDC )  
Reverse polarity protected

### Flowmeter input:

Frequency: 0-10KHz  
Sensitivity: 50mV-35V sine or square wave. (field adjustable)  
Impedance: 10Kohms  
Built in test oscillator @4Hz

### Output:

5-28VDC squarewave (amplitude proportional to input power)  
Short circuit protected  
Minimum load resistance: 250ohms

### Indicators:

Red LED for signal indication  
Red LED for power indication

### Temperature:

Operating: 40-185°F(40-85°C)  
Storage: 85-257°F(65-125°C)

### Enclosure:

FM Approved, CSA Certified  
Class I, Division1, Groups B, C, & D  
Class II, Division 1, Groups E, F, & G  
Weight: 1.7lbs.  
Mounts directly on flowmeter

## Dimensions

