



The RW717 is a meter mounted modulated device designed to produce a carrier frequency in conjunction with an RF pickup coil, detect the shift in the carrier frequency (modulation) that occurs with the passage of magnetic material and generate a squarewave output pulse with each shift in the carrier frequency. The amplitude of the output pulse is equivalent to the input supply voltage to the RW717.

The sensitivity adjustment establishes the generated field strength thus determining the proximity of the magnetic device to

the pickup coil to produce a detectable shift in the carrier frequency.

The modulated carrier principal introduces no drag on the passing magnetic device. Therefore, when used with a turbine flowmeter, extension of the flowmeters' nominal linear range at the low end of the flow spectrum is realized. This parameter is particularly useful when measuring a low mass gas at the flowmeter's low end flowrate. LED's are provided to indicate the presence of the input supply voltage and the output pulse.

Model RW717 Specifications

Power input:

12-28 VDC @100mA max
Reverse polarity protected

Flowmeter input:

Frequency: 0-3500Hz with 50KHz carrier
(requires pick up coil : 1-1.3mH)
Sensitivity field adjustable

Output:

12-28VDC squarewave (amplitude proportional to input power)
Short circuit protected
Minimum load resistance: 250 Ohms

Indicators:

Red LED for signal indication
Red LED for power indication

Temperature:

Operating: 40-121°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

