



The RW711-3 is a meter mounted 3-wire analog transmitter designed to linearly convert a frequency input to an equivalent voltage output whose level is switch selectable @ 0-5VDC or 0-10VDC. When incorporated with a turbine flowmeter, a voltage representation proportional to flow is obtainable.

A full scale frequency range 180Hz-10KHz is jumper selectable. The span adjustment establishes the

frequency point at which the full scale voltage output (5VDC or 10VDC) is achieved. The sensitivity adjustment permits the RW711-3 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 RW711-3 to operate effectively in noisy environments.

Model RW711-3 Specifications

Power input:

12-35VDC @50mA
Reverse polarity protected

Flowmeter input:

Frequency: 0-10KHz
Sensitivity: 50mV-35V sine or square wave. (field adjustable)
Impedance: 10Kohms

Analog output:

0VDC @0Hz, 5VDC or 10VDC @desired full scale frequency
Full scale range: 180Hz-10KHz switch selectable
Other ranges available, contact factory
Response: 95% of change in 1s
Minimum load resistance: 250ohms

Accuracy:

Linearity: 0.3% FS
Tempco <2% of reading over entire temperature range

Engineering units:

Any engineering unit is available.

Temperature:

Operating: 40-121°F(40-85°C)
Storage: 85-257°F(65-125°C)

Enclosure:

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

Dimensions

