Model RW712-2
LOOP POWERED 4-20mA TRANSMITTER

The RW712-2 is a meter mounted 2-wire analog transmitter designed to linearly convert a frequency input to an equivalent 4-20mA current output. When incorporated with a turbine flowmeter, a current representation proportional to flow is obtainable. Data transmission in a current format exhibits excellent noise immunity and the capability of long distance transmission.

A full scale frequency range 171Hz-10KHz is jumper selectable. The span adjustment establishes the frequency point at which a 20mA output is achieved. The sensitivity adjustment permits the RW712-2 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. The installation of the RW712-2 requires only two wires because it is a true 2-wire transmitter. Input power and signal output utilize the same wires.

Model RW712-2 Specifications

Power input:
- Minimum: 6VDC + (20mA x RL)
- Maximum: 28VDC + (4mA x RL)
- Reverse polarity protected

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

Analog output:
- 4mA @0Hz, 20mA @desired full scale frequency
- Full scale range: 171Hz-10KHz switch selectable
- Other ranges available, contact factory
- Response: 95% of change in 1s
- Minimum load resistance: 250ohms

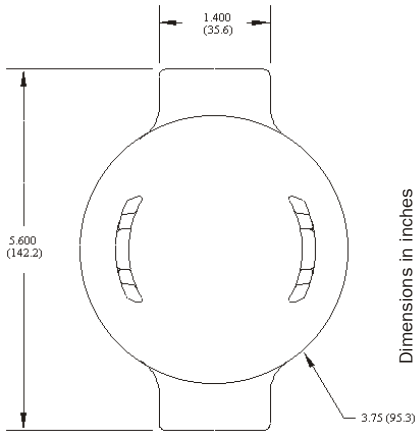
Accuracy:
- Linearity: 0.3% FS
- Tempco <2% of reading over entire temperature range

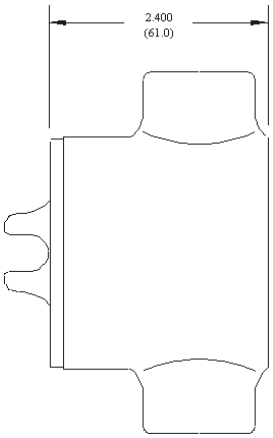
Engineering units:
- Any engineering unit is available.

Temperature:
- Operating: 40-121ºF(40-85ºC)
- Storage: 85-257ºF(65-125ºC)

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





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