

Loop Powered 2 Wire 4-20mA Transmitter

**PULSE SIGNAL
TRANSMITTER**



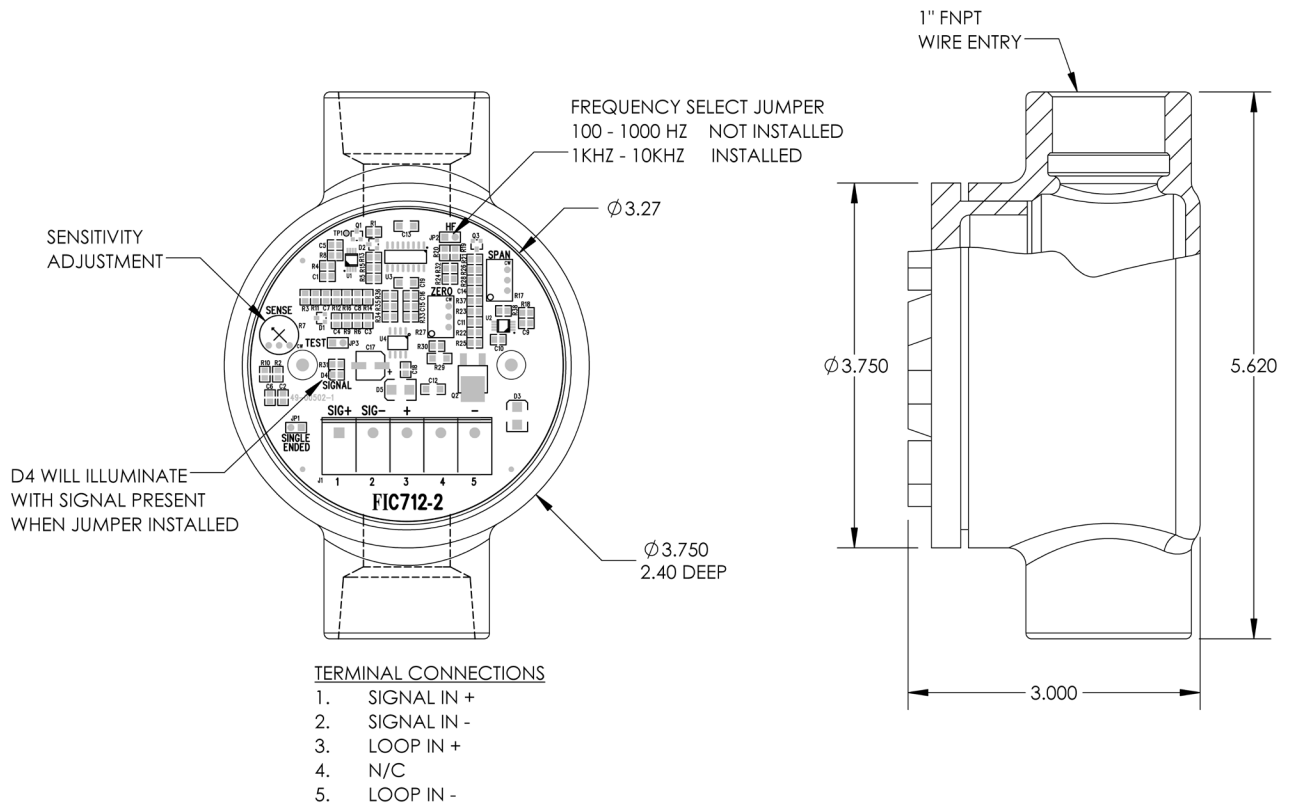
Turbines, Inc. is the leader in the design and manufacture of reliable and accurate turbine flow metering equipment, electronic monitors, and accessories. All products are engineered, manufactured, and calibrated using premium quality materials by skilled tradesman with state-of-the-art equipment.

Turbines, Inc. maintains a team of dedicated engineers, technicians, and application specialists, who are on-call to assist with product/application guidance, technical assistance, and special configurations or modifications.

The **FIC712-2 Loop Powered 2 Wire 4-20mA Transmitter** is designed to linearly convert a frequency input to an equivalent 4-20mA current output. When it incorporates 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.

FIC712-2 Features

Temperature	Operating -40° C to +85° C Storage -65° C to +125° C
Input Voltage	Minimum = 7 VDC + (20mA X RL) Maximum = 28 VDC + (4mA X RL) Protected against polarity reversal
Signal Input	Frequency 0-10 KHz Amplitude 50 mV – 35 V sine or square wave Sensitivity field adjustable Impedance 50K ohms
Analog Output	4mA @ 0 Hz, 20mA @ desired full-scale frequency Full scale range -- 100 Hz-10 KHz selectable Response time -- 95% of change in 1 second Linearity -- .3% F/S Tempco -- < 2% of reading over entire temperature range
Features	Built in test Individual LED indicators for power and signal Mounts directly on flowmeter
Enclosure	FM Approved, CSA Certified Class I Groups B, C, D Class II Groups E, F, G Weight 1.7 lbs.



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