

# Loop Powered 2 Wire 4-20mA Transmitter

**PULSE SIGNAL  
TRANSMITTER**



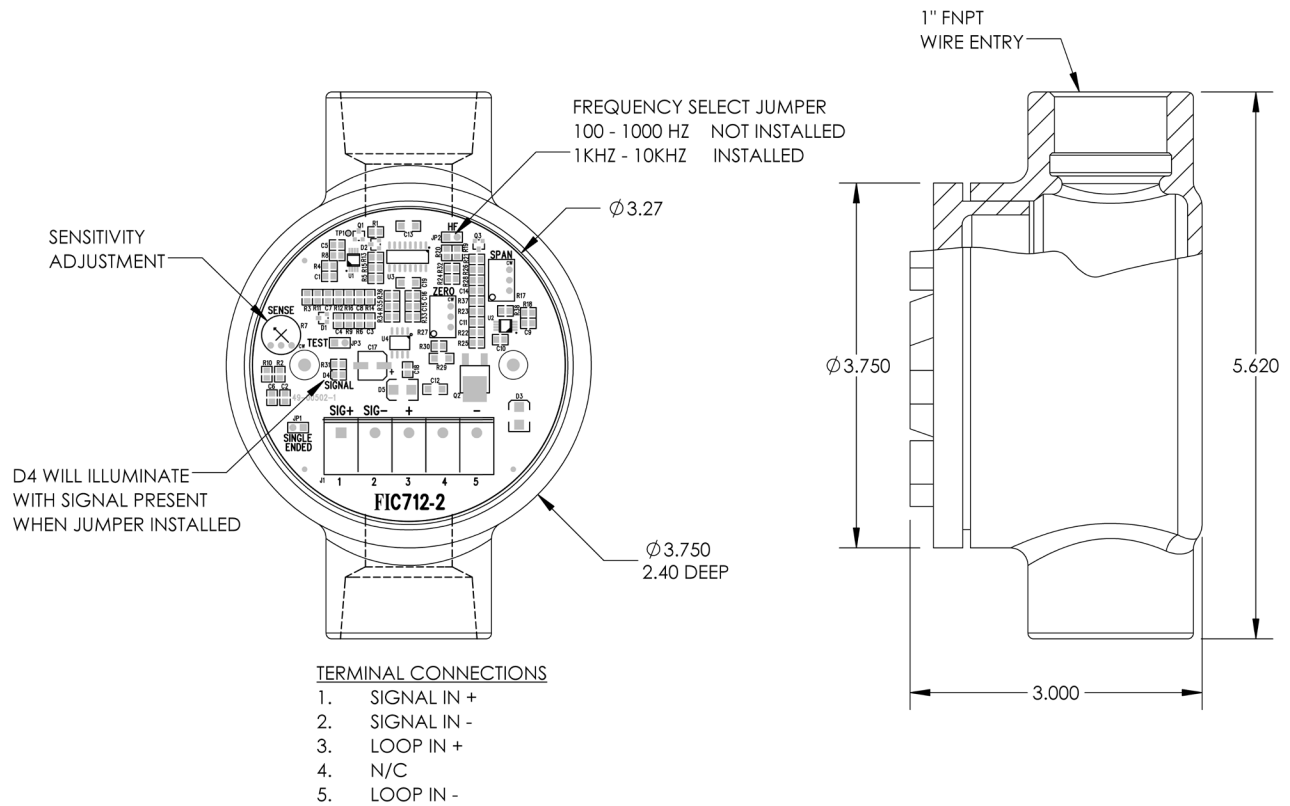
**Turbines, Inc.** is the leader in the design and manufacture of reliable and accurate turbine flow metering equipment, electronic monitors, and accessories. All products are engineered, manufactured, and calibrated using premium quality materials by skilled tradesman with state-of-the-art equipment.

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

<b>Temperature</b>	Operating -40° C to +85° C Storage -65° C to +125° C
<b>Input Voltage</b>	Minimum = 7 VDC + (20mA X RL) Maximum = 28 VDC + (4mA X RL) Protected against polarity reversal
<b>Signal Input</b>	Frequency 0-10 KHz Amplitude 50 mV – 35 V sine or square wave Sensitivity field adjustable Impedance 50K ohms
<b>Analog Output</b>	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
<b>Features</b>	Built in test Individual LED indicators for power and signal Mounts directly on flowmeter
<b>Enclosure</b>	FM Approved, CSA Certified Class I Groups B, C, D Class II Groups E, F, G Weight 1.7 lbs.



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