

## 1 Koolance® INS-FM17N, INS-FM19 Coolant Flow Meters v 1.6

Koolance flow meters use a normally-open magnetic reed contact switch which responds to internal impeller rotation.

The flow meters should not be directly connected to high power outputs like 12VDC fan headers or similar controllers. If connected directly to a custom circuit, the intended current range is 10mA or less. A signal graph is provided to the right.

**Note:** If the frequency pulse signal appears erratic, it is recommended to bridge the flow meter leads with a 47nF (473) smoothing capacitor.

### Specifications

Flow Rate Range:

1.0 - 15 LPM (0.26 - 4 GPM)

Fluid Temperature Range:

0 - 70 °C (32 - 158 °F)

Be sure to install the flow meter in the correct liquid direction. This is indicated by the arrow on the flow meter's body. Residual air pockets in the flow meter will not result in an accurate reading.

