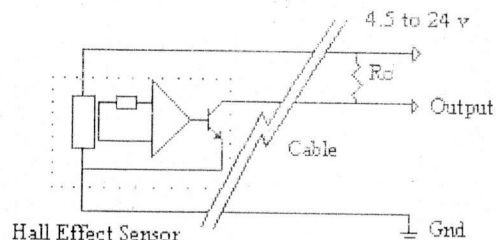
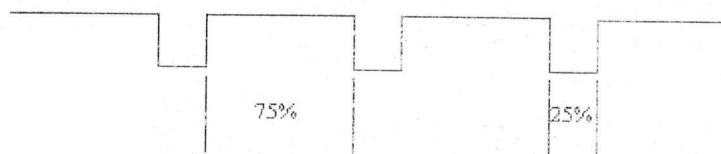


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Model 2031H Electronic Flowmeter Application Note



Note: R_o (20-50 kohms) must be supplied by the customer. Output is a Pulsed signal with a 25% duty cycle and whose frequency is dependent upon the impeller rotation.



For the standard impeller (white)

The signal amplitude is dependent upon V_{cc} (4.5 to 24.0 volts).

For standard speed impellor (white). Flow rate (cm/sec $\cong$ (13.44) * F_o (Hz)). (i.e. 7.44 Hz signal equivalent to approximately 100 cm/sec flow rate.)

For low speed impellor R2 (old style, grey). Flow rate (cm/sec $\cong$ (25.51) * F_o (Hz)). (i.e. 3.92 Hz signal equivalent to approximately 100 cm/sec flow rate.)

For low speed impellor R6 (new style, grey). Flow rate (cm/sec $\cong$ (28.78) * F_o (Hz)). (i.e. 3.47 Hz signal equivalent to approximately 100 cm/sec flow rate.)