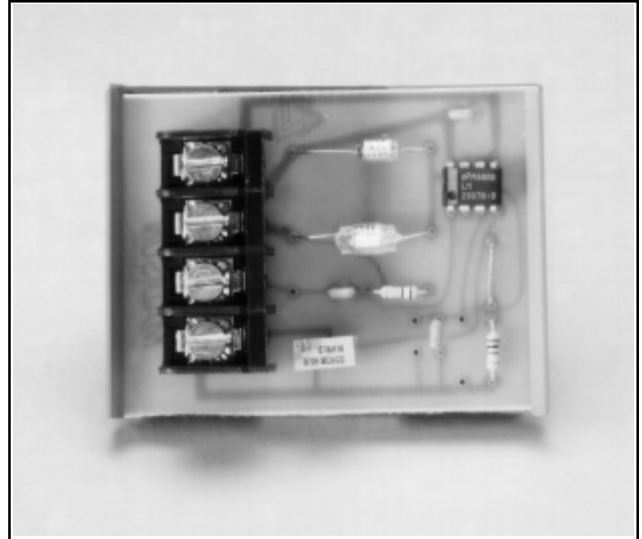


Frequency to Voltage Converter

The Frequency to Voltage module from Madison Electric allows you to convert a DC pulse train or AC frequency signal into a linearly proportional 0–10 DC voltage. The F/V module accepts signals from Madison Electric encoders, magnetic pick ups, C-Face Ring Tachometers, or a variety of frequency output devices.

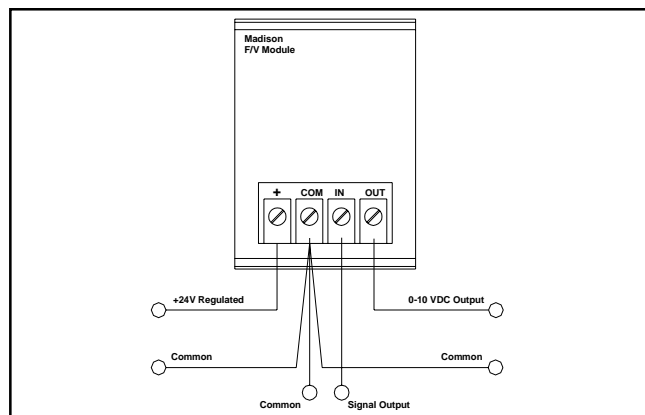
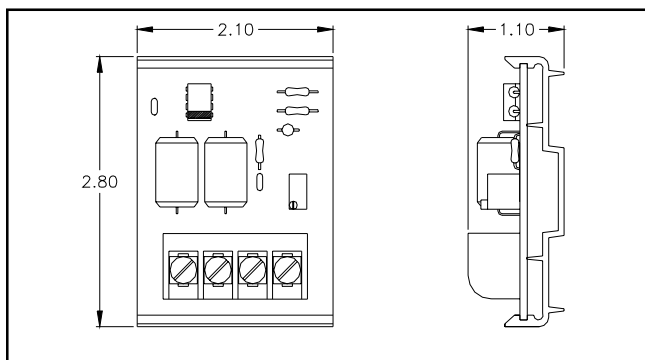
The F/V module interfaces with most programmable controllers or microprocessors. Applications include analog indication, speed sensing, or any closed or open loop control system that requires a DC voltage relative to frequency.

With applications involving low speeds, the frequency to voltage module is an ideal replacement to the DC generator, replacing the generator's output with a more stable voltage signal.



Features

- Small overall size, fits anywhere
- Track style mounting for easy installation
- Wide frequency range
- Compatible with most controlling devices
- Compatible with all Madison Electric frequency generating devices



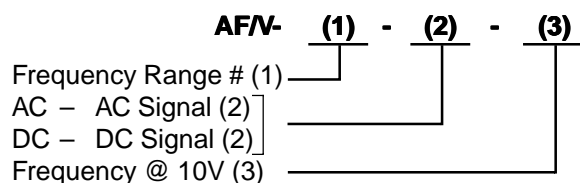
Specifications

- Power requirements 24VDC, regulated
..... 0.010 Amps, no load
- Signal Input
Frequency: 10Hz to 10kHz, for 10VDC output
Voltage: 100mV minimum to 100V maximum
Current: 1uAmp, minimum
- Signal Output: Current 0.050 Amps maximum
Linearity 1% maximum
- Operating temp. -40° to 40°C (-40° to 140°F)
- Ripple Two times input frequency;
Amplitude is inversely proportional to response time
- Response time Best at high frequency input
- Weight 2 oz.

Ordering Information

(1) Choose the correct frequency range at 10VDC output for your application from the table below:

#	Frequency	#	Frequency	#	Frequency
1.	10–22Hz	4.	101–200Hz	7.	1001–2100Hz
2.	23–50Hz	5.	201–450Hz	8.	2101–4500Hz
3.	51–100Hz	6.	451–1000Hz	9.	4501–10000Hz



Example Part Number: AFV-5-DC-400