

2 inch Tachometer



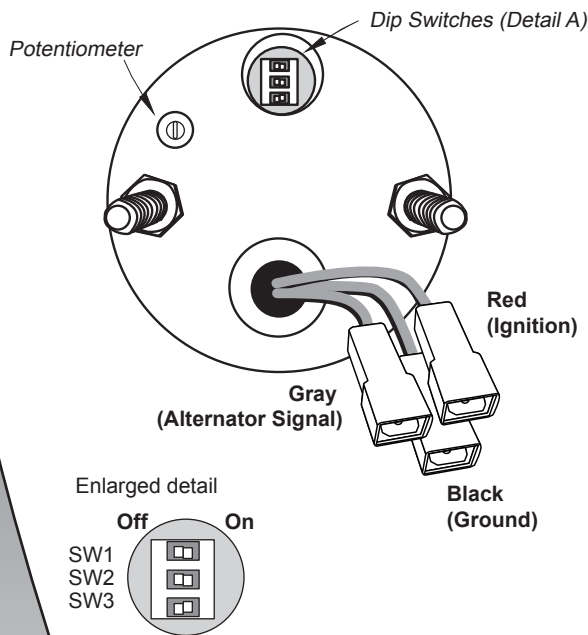
Product Description

2-Inch Variable Frequency Alternator tachometer connects to the Alternator signal. The tachometer has four range selections for rough calibration and an adjustment potentiometer for fine adjustment.

The use of DIP switches on the back of this tachometer allows a rough calibration selection for the desired frequency.

This tachometer can be used in 24 VDC systems with the use of an adaptor that connects between the 24 VDC ignition system and the tachometer.

Calibration



Rough Calibration Selection vs. Frequency

	400 Hz	800 Hz	1200 Hz	1600 Hz
SW1	OFF	ON	OFF	OFF
SW2	OFF	OFF	ON	OFF
SW3	OFF	OFF	OFF	ON

Specifications

Mounting Hole: 2.0625" (53 mm)
 Depth behind face plate: 3.266" (83 mm) min.

Cosmetic:

Dial: Black with White Graphics
 Available in White, Black and Beige
 Mask: Black
 Pointer: Contoured White
 Lens: Flat Glass
 Bezel: Painted Aluminum
 Backlighting: Perimeter Lit Dial with LEDs
 Lights turn on when power is applied.

Operational:

Mounting Bracket: Metal
 Clamping Range: 0 - .8 in (0-20 mm)
 Torque: 5 to 7 inch pounds (.57 - 80 Nm.)
 Signal Input: Alternator / Magnetic Pick Up
 Min. Frequency: 400 Hz
 Max. Frequency: 1600 Hz
 Wire Termination: Blade Terminals

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 Made in the USA

fp-001-0033 rev B 01/2014



Environmental Specifications

Calibration:	Tachometer: 0-4000 RPM accurate to within $\pm 2\%$ of full scale
Required Specs	The Tachometer meets the requirements of SAE J1455 as specified below.
Temperature	
Operating	-20°C to +85° C
Storage	-40°C to +85° C
Voltage	
Normal Operating	11.5 to 15 VDC at 25° \pm 3° C with GY0065 adapter 22-32 VDC at 25° \pm 3° C
Extreme variations	9 to 18 VDC at 25° \pm 3° C with GY0065 adapter 20-36 VDC at 25° \pm 3° C
Abnormal Voltage Conditions	
Over Voltage	18 VDC for 5 minutes with GY0065 adapter 36 vDC for 5 minutes
Reverse Polarity	The instrument can withstand reversed battery terminal polarity indefinitely without damage or permanent shift of calibration.
Environmental	
Shock	50 +/- 2 G and a half sine duration of 11 +/- 2 ms. per MIL-STD-202, Method 213
Vibration	4 G peak, 10 to 200 Hz SAE J1455 Appendix A
Salt Spray	Front is Corrosion resistant per ASTM B117-73
Water Leakage	Instrument is sealed for water entry from the front.
Weather Resistance	Instrument has been tested to resist weather conditions.

Dimensions

