

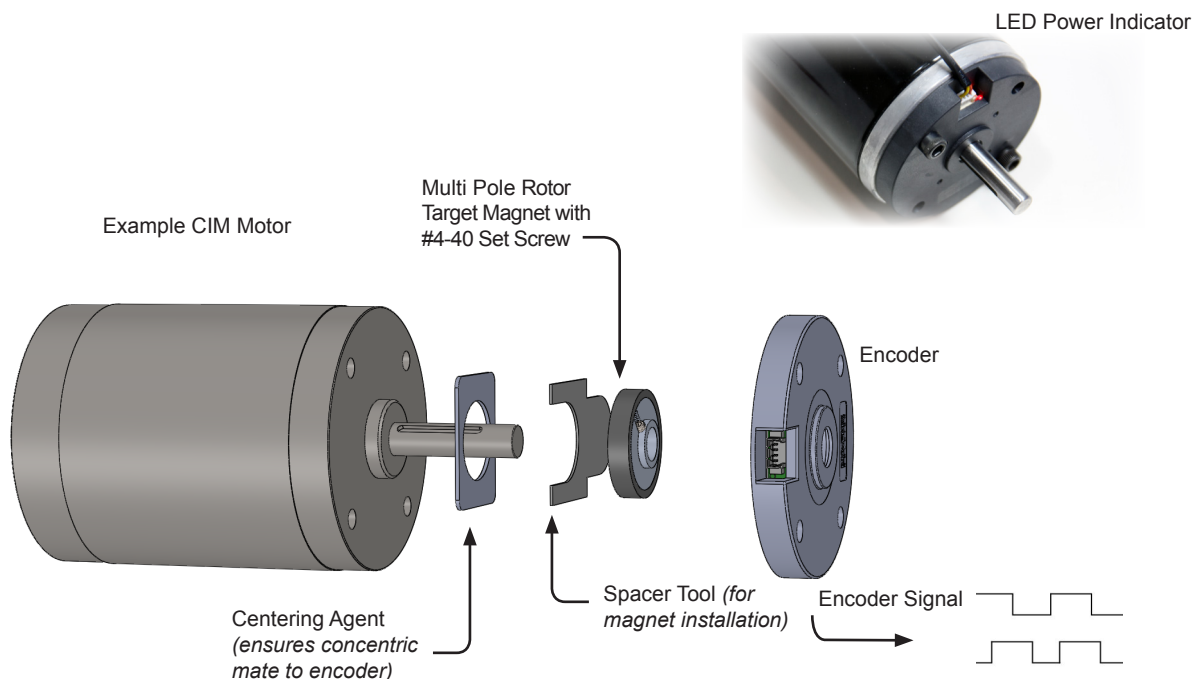
Features and Benefits

- 3.3 to 5.0 V supply voltage operation
- Designed to mount on CIM motor drive side.
- Kit includes
 - Encoder
 - Target Magnet with set screw
 - Centering agent
 - Spacer tool for magnet installation
- 2 channel quadrature output with 20 pulses per channel per revolution for sensing speed and direction.
- Magnetic technology offers robust performance.
- 100% Non-Contacting design (no bearings or bushing) provides an extremely long life expectancy.
- Outputs are logic 0 to 3.3 V
- Standard 4 pin Molex connector



Kit - Encoder with Target Magnet, centering agent, and spacer/installation tool

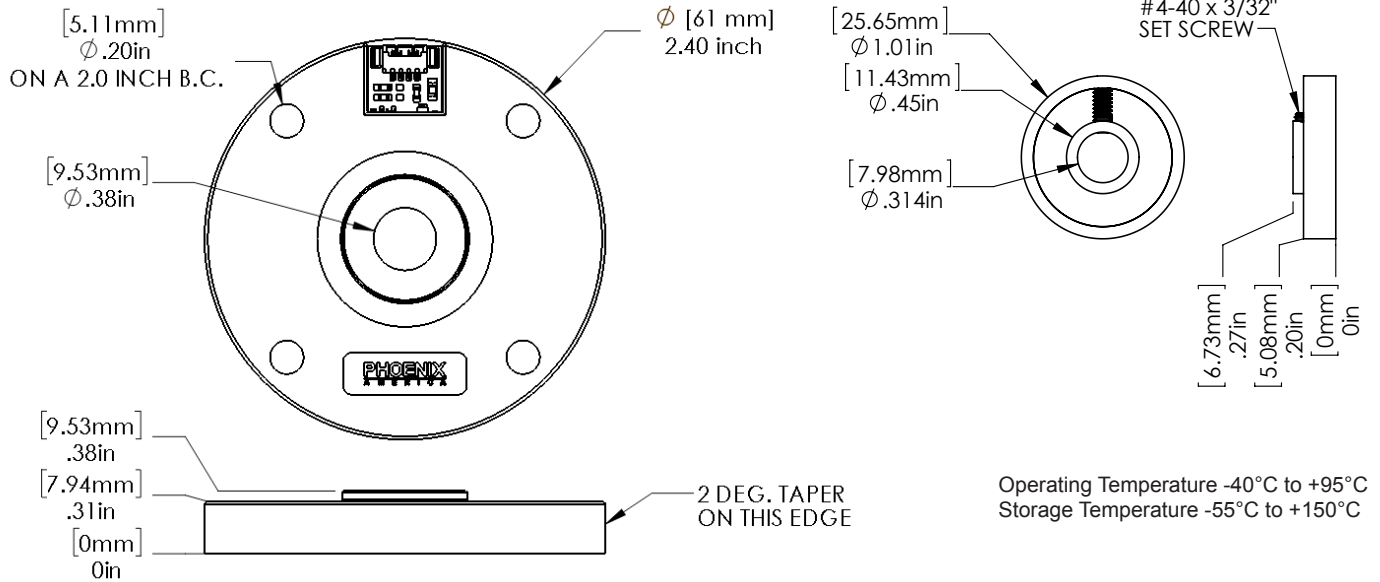
Application Example



Physical Outline

Encoder

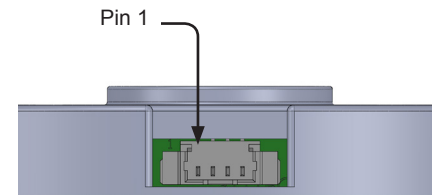
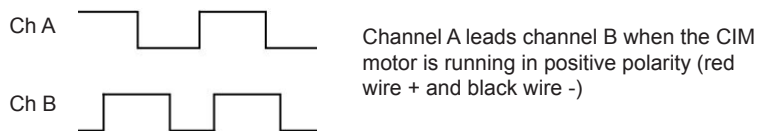
Target Magnet



Electrical Parameters

Pin #	Function	Type	Parameter	Notes:
1	VDD	Supply	+3.3 to 5.0 VDC	Absolute Max -0.3 / +6.0 VDC Supply Current 6.0 mA typical. (5V supply)
2	Ch A	Open Drain with 3.3K Ω Internal Pull-up to 3.3V		Duty Cycle 40% to 60%, A/B phase shift 80° to 90°, Maximum frequency 5KHz.
3	GND	Supply Gnd	0 V	
4	Ch B	Open Drain with 3.3K Ω Internal Pull-up to 3.3V		Pull-up resistors are not required on the outputs. The encoder has internal pullup resistors to a 3.3V internal regulator.

Signal Phasing



4 Pin Connector
1.25 mm pitch