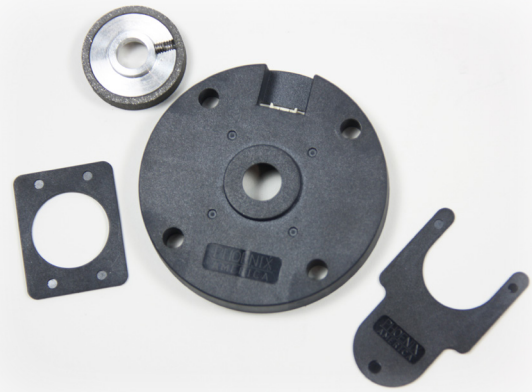


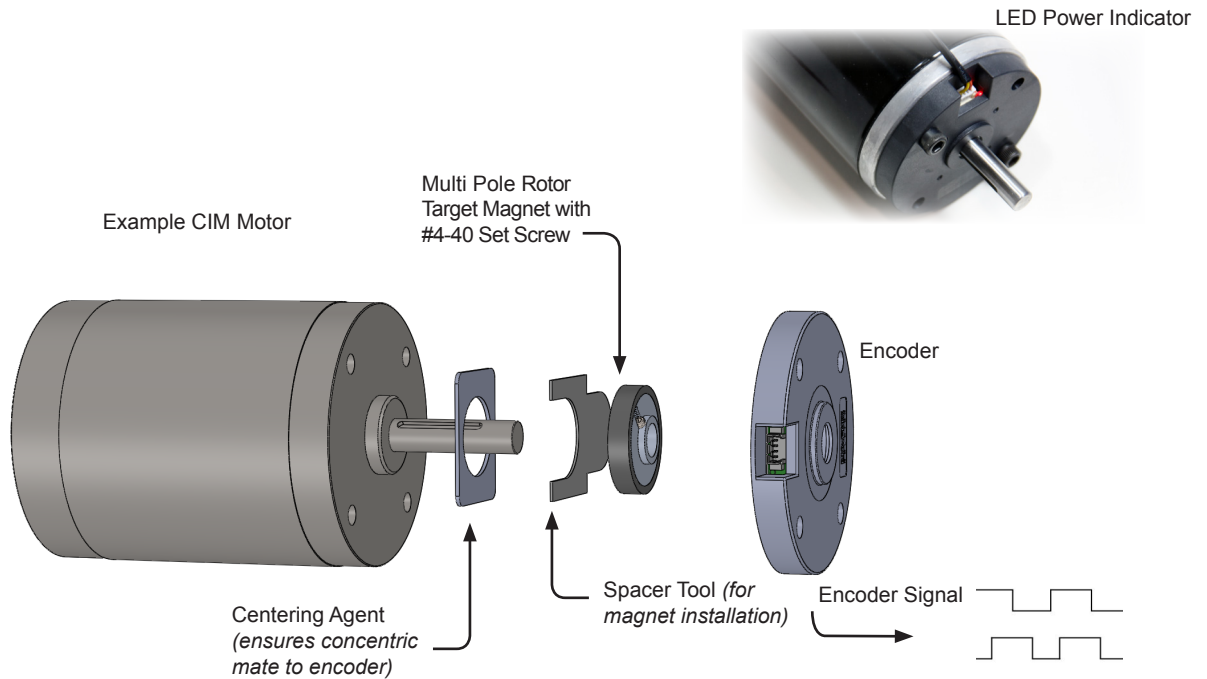
**Features and Benefits**

- 4.0 to 24V 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.
- Open collector output (pull up resistors required)
- Standard 4 pin Molex connector

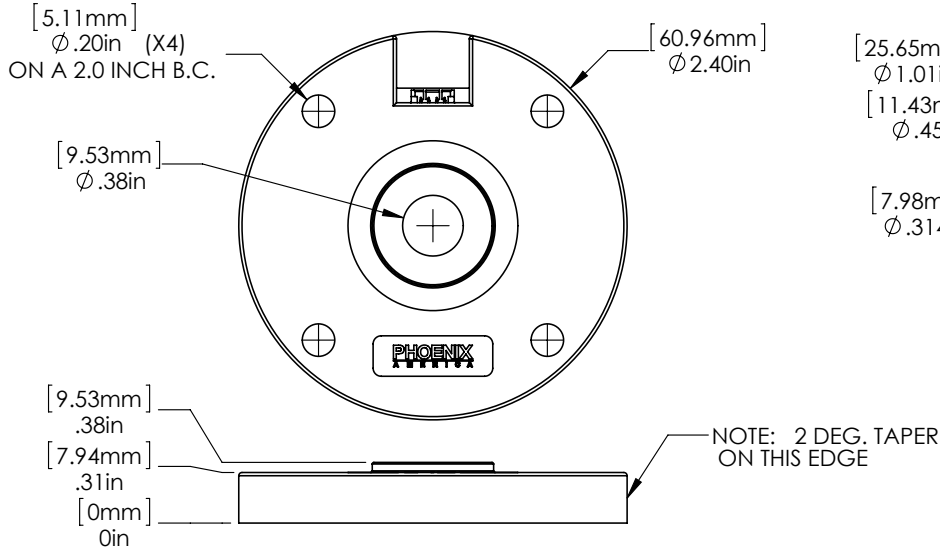


*Kit - Encoder with Target Magnet, centering agent, and spacer/installation tool*

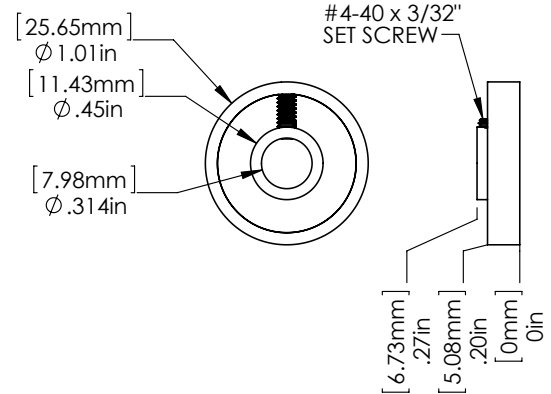
**Application Example**



**Physical Outline**



**Target Magnet**

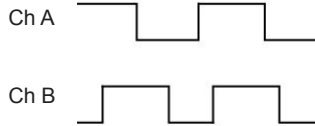


Operating Temperature -40°C to +95°C  
Storage Temperature -55°C to +150°C

**Electrical Parameters**

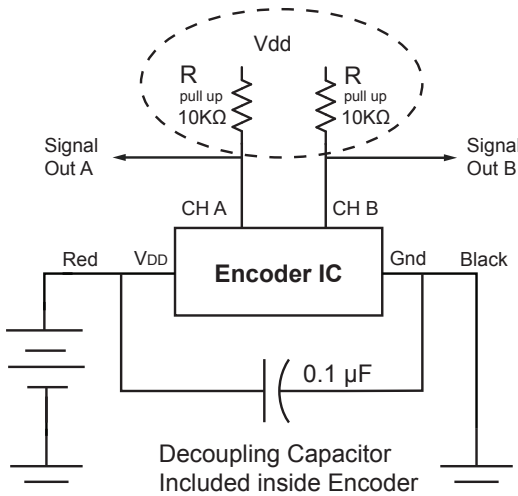
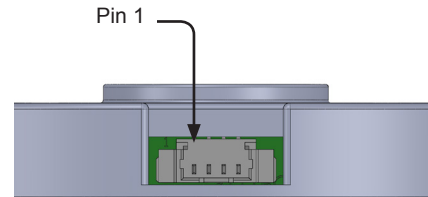
Pin #	Function	Type	Parameter	Notes:
1	VDD	Supply	+4 to 24 VDC	ABS Max -0.3 / +32.0 VDC  Duty Cycle 40% to 60%, A/B phase shift 80° to 90°, Maximum frequency 5KHz.
2	Ch A	Open Drain	15mA Max I-sink	
3	GND	Supply Gnd	0 V	
4	Ch B	Open Drain	15mA Max I-sink	

**Signal Phasing**



Channel A leads channel B when the CIM motor is running in positive polarity (red wire + and black wire -)

Pull up resistors are necessary to generate an output signal for the desired voltage level and are generally preferred external for encoders.



**Pull-up Resistance Chart**  
(recommended 1.2 mA sink current)

