PHOENIX AMERICA

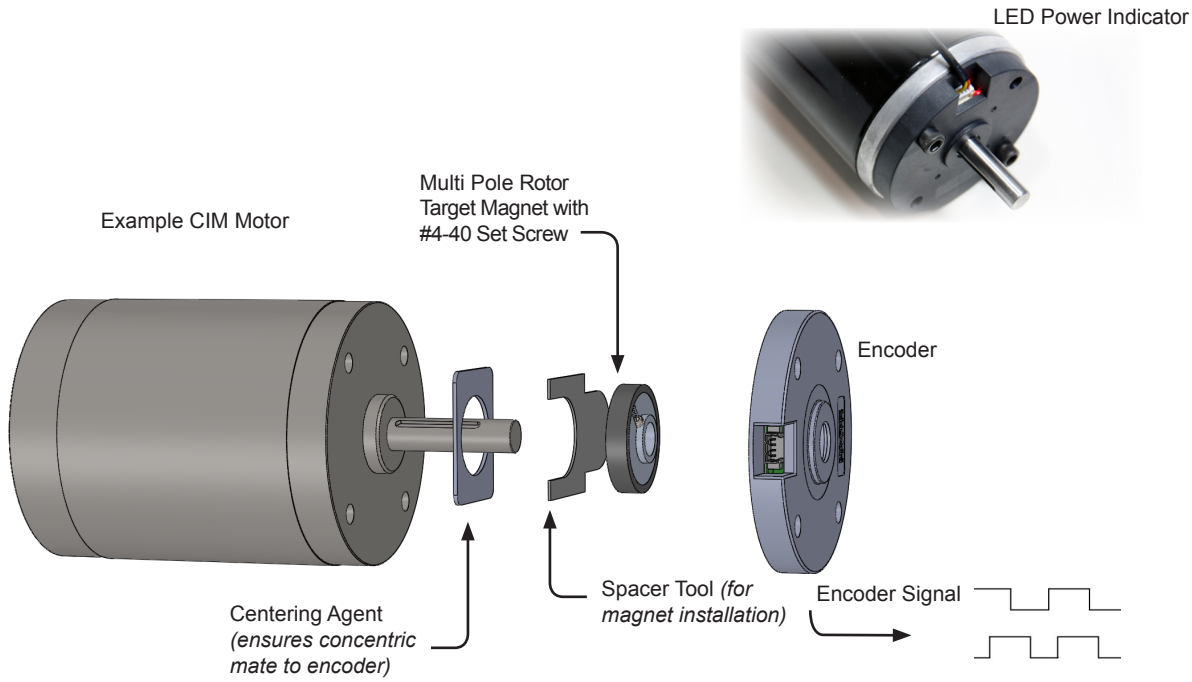
Magnetic Encoder Kit
For CIM Motor

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 30 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



Phoenix America, INC
4717 Clubview Drive
Fort Wayne, IN 46804

Tel: (888)-801-1422
Local: (260)-432-9664
Fax: (260)-432-9967

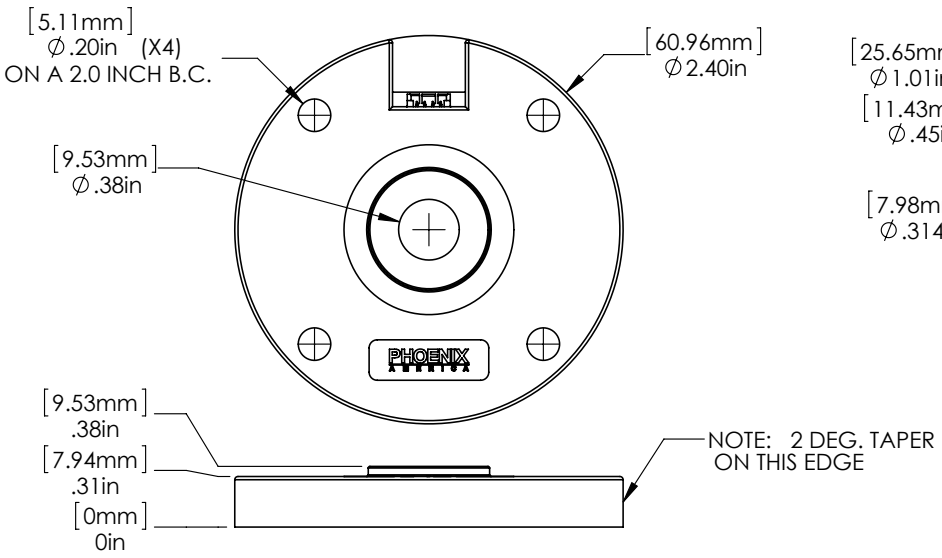
www.phoenixamerica.com
sales@phoenixamerica.com

PHOENIX AMERICA

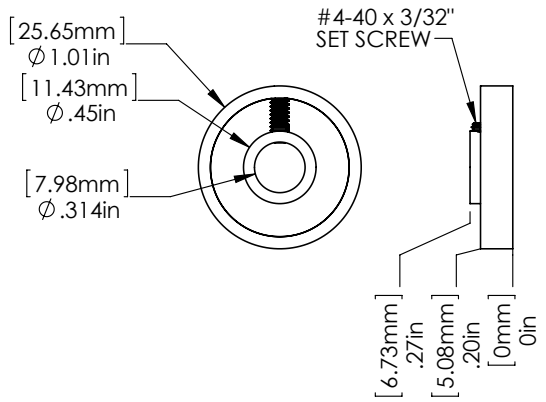
Magnetic Encoder Kit
For CIM Motor

Physical Outline

Encoder



Target Magnet

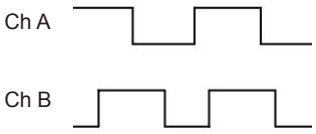


Operating Temperature -40°C to +95°C
Storage Temperature -55°C to +150°C

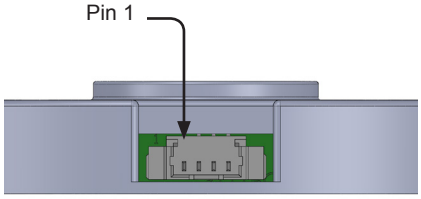
Electrical Parameters

Pin #	Function	Type	Parameter	Notes:
1	VDD	Supply	+4 to 24 VDC	ABS Max -0.3 / +32.0 VDC
2	Ch A	Open Drain	15mA Max I-sink	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	15mA Max I-sink	

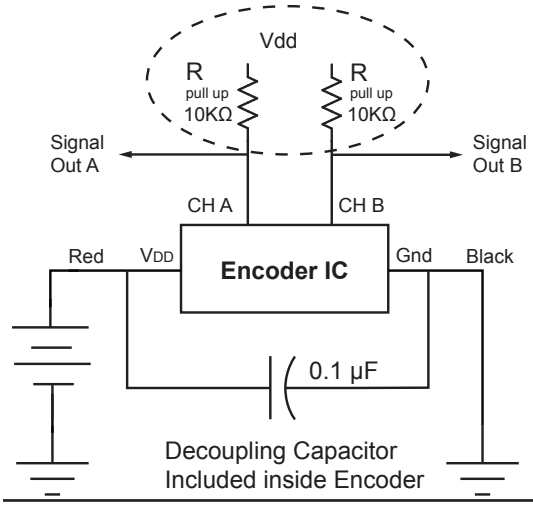
Signal Phasing

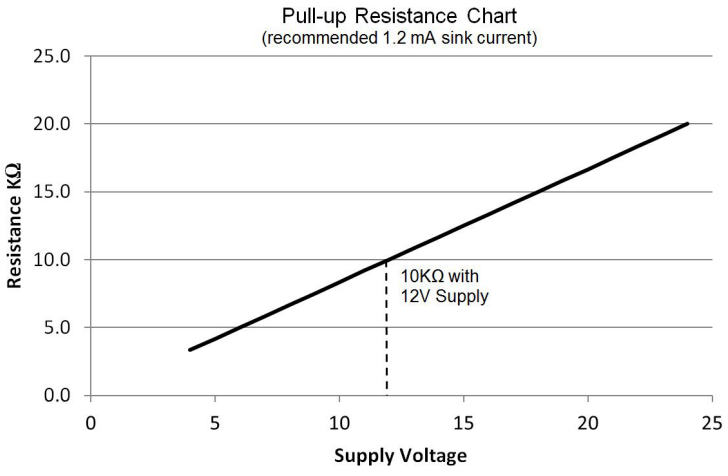


Channel A leads channel B when the CIM motor is running in positive polarity (red wire + and black wire -)



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





Phoenix America, INC
4717 Clubview Drive
Fort Wayne, IN 46804

Tel: (888)-801-1422
Local: (260)-432-9664
Fax: (260)-432-9967

www.phoenixamerica.com
sales@phoenixamerica.com