

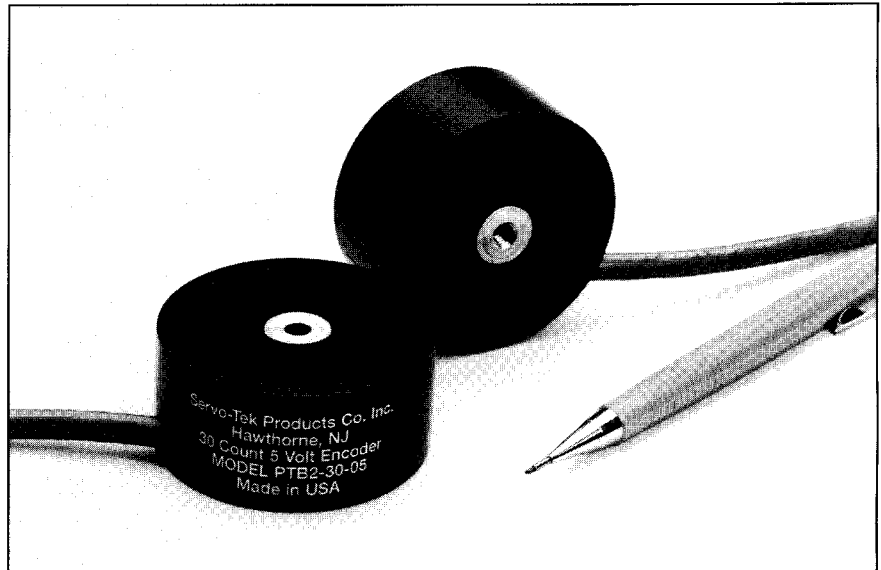
SERVO-TEK®

Specifications

Now Available In 100 Pulses and Dual Channel!

PT Series Encoder

**low cost solution
for measuring shaft
speed/position**



When mounted to any rotating shaft, the PT Series Encoder provides a single channel square wave output for speed/position control. The Encoder can be used to supply digital feedback for motor speed control and speed indication.

The small size of the PT Series Encoder (2.0" dia., .900" long) makes it easy to use where space is limited. The hollow shaft design is **easy to mount** with no coupling or tedious alignment procedures.

Electrical Specifications

Input	
Voltage	5 VDC Standard
Current	12 Milliampères
Regulation	± 10%
Output	
Wave shape	Square wave nominal
Rise time	Less than 10 Microseconds, 5 Microseconds nominal
Current	Sink 0.8 Milliampères @ 0.4 Volts
Pulses per revolution	1 to 60 (specify)

Mechanical Specifications

Shaft speed	20000 RPM maximum
Rotation	Either direction
Hub bore	0.188" and .251" Standard Maximum bore 0.376
Housing	Delrin (black)
Cable	3-conductor 24 AWG shielded
Weight	2 oz.

Environmental

Operating temperature

-40°C to +80°C

Encoder Leads

Red	+VDC
White	Output
Black	Common
Shield	Connect to control common

Complete Model Number

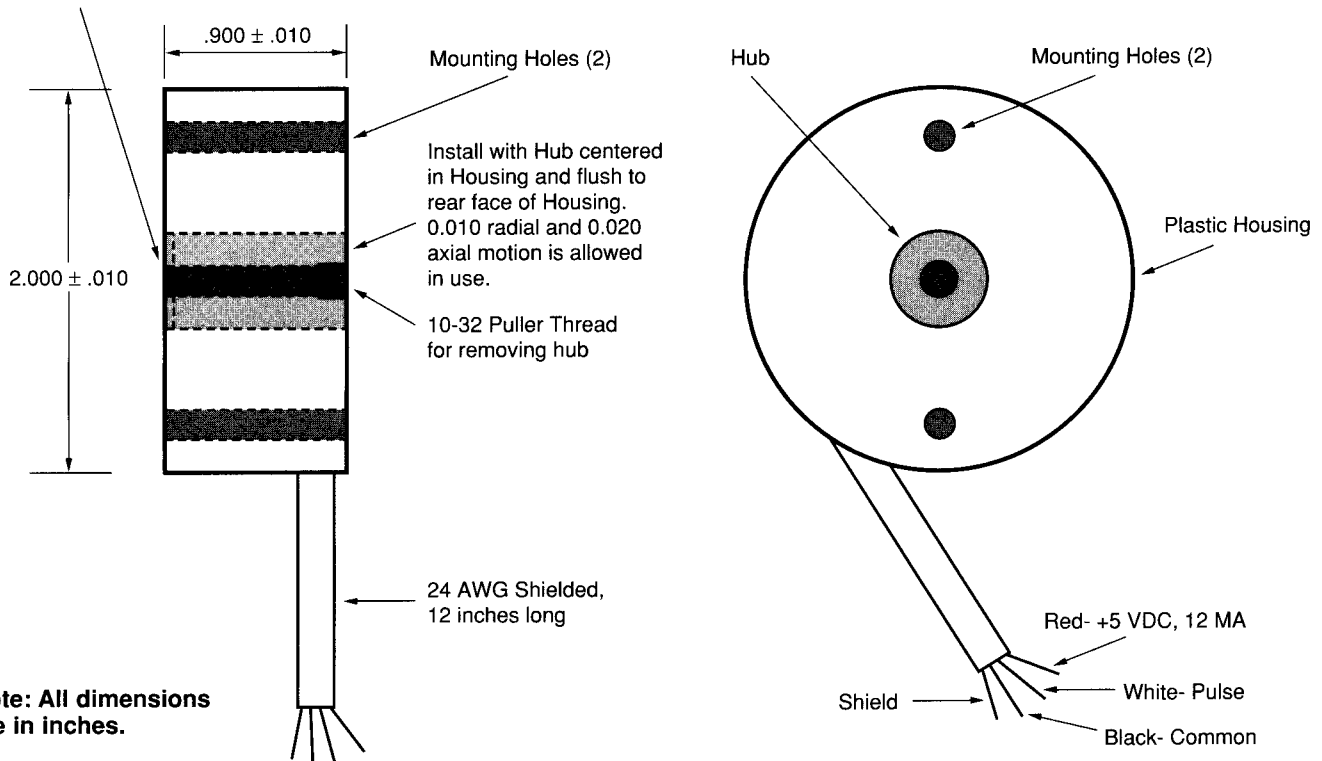
PTXX-YY-ZZ

PT	X	X	YY	ZZ
Series	Mounting Centers	Bore Size	Pulses	Voltage
	A = 1.812" #4-40	1 = .251	1 to 60	5 VDC
	B = 1.500" #6-32	2 = .188	(Specify)	(Standard)

Outline Drawing (shown actual size)

PT Series Encoder

Put one drop of Loctite® #609 inside Hub before installing on shaft.



SERVO-TEK®

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