

Series 760N

SERIES 760N



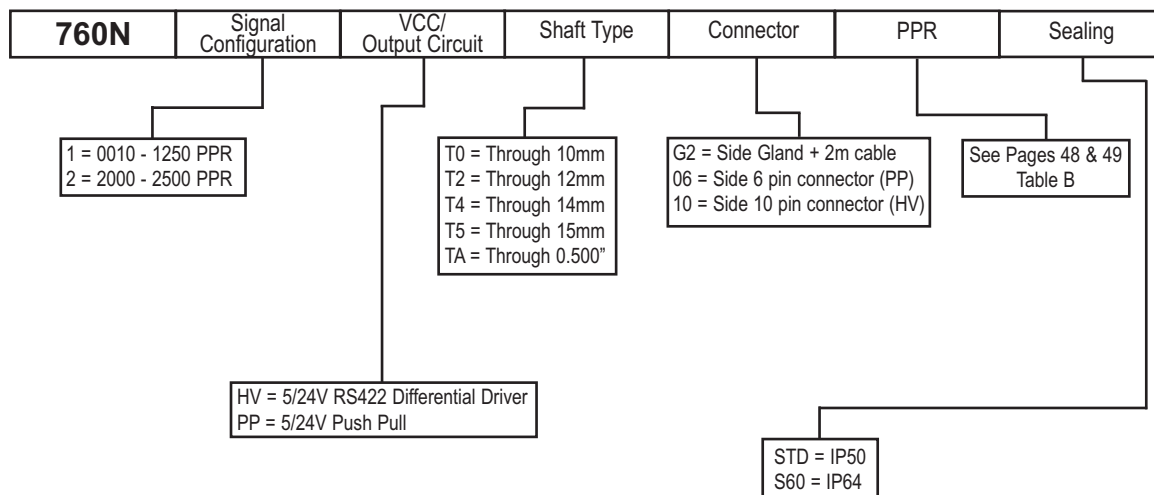
Design Features

The 760N encoders are configured with a full through hollow shaft (which may be fixed at either end). Standard bore sizes are 10, 12, 14, 15mm and 0.5". The encoder body is fixed by means of two flexible mountings which compensate for minor shaft misalignment. Output circuits are available with either 5/24V RS422 Line Driver or 5/24V Push-Pull. This encoder now provides all signals: A, B, Z, (A, B, Z)

Specifications

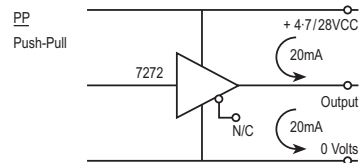
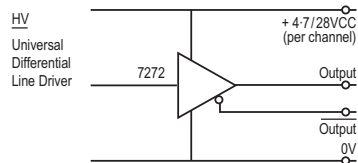
Input Voltage range	5/24V (see output circuits)	Starting torque	0.01 Nm
Regulation, for 5V operation	5%, with 2% maximum ripple	User radial shaft runout	0.15mm max. TIR
Current consumption	75/125mA	User radial shaft endplay	± 0.7mm
Output circuits	See Ordering Information	Radial loading	Being the mass of the encoder
Frequency response	100 KHz	Axial loading	Being the mass of the encoder
Symmetry	180° electrical ±5% (±9°e)	Moment of inertia	300g/cm
Quadrature Phasing	90° electrical ±10% (±9°e)	Acceleration	10⁵ radians/sec²
Minimum edge separation	72° electrical	Weight	0.4 kg
Reference marker pulse	Gated (A • Z = F)	Housing	Aluminum w/protective finish
Rise time	Less than 1 microsecond	Mounting	Shaft set screws and split clamp w/ flexible mounting springs
Accuracy (cycle to cycle).....	±0.017° or 1 Arc/Min	Operating temperature	-10°C to +70°C
LED life	100,000 hrs typical	Storage temperature	-30°C to +80°C
Pulses per revolution	See Ordering Information	Humidity	98% RHNC
Max shaft speed	6,000 rpm continuous	Vibration	10 G's @ 58 to 500 Hz
Shaft sizes and types	See ordering information	Shock	50 G's for 11 mSec
Shaft tolerance	H7, sliding fit for g6	Protection	IP50 standard
Bearings	Double Sealed ABEC 3		IP64 with sealed bearings

Ordering Information





Output Circuits



Dimensions

