

OPTICAL INCREMENTAL ROTARY SHAFT ENCODERS



F

ounded in 1959, FSI /

Fork Standards, Inc.

had its beginnings

in the design and

manufacture of

precision tuning fork

time standards,

primarily for use in

military applications.

Presently, FSI

provides a line of

high performance

encoders,

photo-electric

sensors, and controls

for use in industrial,

commercial,

military and medical

applications.

FSI is committed to

innovation, quality

and performance.

RSE SERIES

Optical Incremental Rotary Shaft Encoder

Designed with high precision mechanical components and IRED light source to provide long life and durability. Comparison of the main signal with a reference signal provides high noise immunity and stability. Available with single channel, quadrature, index pulse, differential line drivers and special output options.

FEATURES

- Various Output Options
- High Noise Immunity
- Input Voltage 5, 12-28 VDC
- Response Rate of 20 kHz
- Resolution up to 1200 PPR
- Reverse Polarity Protection
- Heavy Duty Bearings
- Base, Flange and Face Mounting
- Output Short Circuit Protection



ESE SERIES

Optical Incremental Economical Rotary Shaft Encoder

This series is for general OEM applications. The ESE Series represents a major price and performance breakthrough. Available in 60, 100, 120, 360 and 600 pulses per revolution (PPR). It can be used with controls for various applications in counting, measurement, tachometers and industrial automation.

FEATURES

- Quadrature Output
- Input Voltage, 12-28 VDC
- Heavy Duty Bearings
- Reverse Polarity Protection
- Low Power Consumption
- Sealed Connector with Gold Plated Contacts
- Flange and Face Mounting
- Double Ended 3/8" Stainless Steel Shaft
- Output Short Circuit Protection



HDE SERIES

Optical Incremental Heavy Duty Encoder

Enclosed in a rugged anodized aluminum housing, this encoder is designed to operate in the most severe environments. Two independent shaft seals prevent internal contamination due to moisture and dust. Available in various output options.

FEATURES

- Heavy Duty Bearings
- Two Independent Shaft Seals
- Variety of Mounting Options
- Sealed Anodized Aluminum Housing
- Various Output Options
- Input Voltage 5, 12-28 VDC
- Reverse Polarity Protection
- Output Short Circuit Protection
- NEMA 4 Rating



Accessories

Measuring Wheels - 12" circumference with non-marking tires.

Zero back lash flexible shaft couplings.

Encoder mating connector assemblies.

5PY tachometer adapter, size 25 and custom mounting plates.

Product Line

High Speed IR Sensors - retro-reflective, diffused proximity, beam break and fiber optic.

Counters and Rate Meters - single / dual preset, with scaling and batch totalizing.

Rotary Shaft Encoders - standard, heavy duty and custom.

Capacitive proximity sensors.

Crystal oscillators.

Custom engineered products.



Over 350 Distributors within North America to Serve You

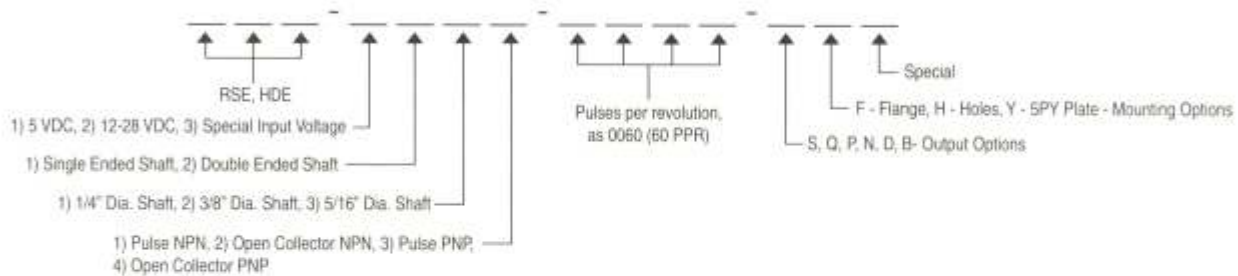


Your nearest distributor is:

Call 1-800-468-6009
for your nearest distributor location.

Ordering Information

RSE Series and HDE Series Encoders



ESE Series Encoders



See ordering guide for
additional options & specifications



PRINTED IN U.S.A.

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PUBLICATION 2952-9000-01



MADE IN U.S.A.