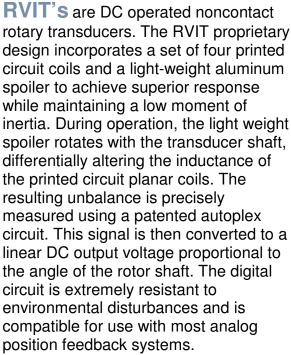
# (DC-Operated Rotary Variable Inductance Transformers)

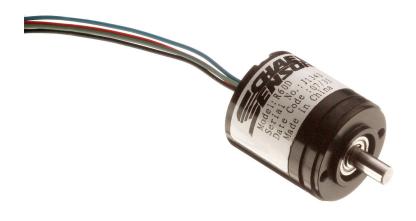


RVITs offer wide operating temperature range, infinite resolution, and a virtually infinite rotational cycle life.

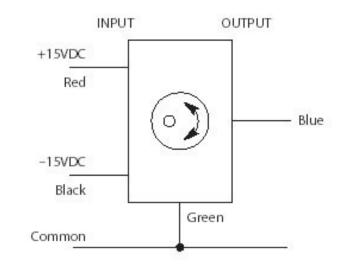


Calibrated over a ±60° range, the R-60D provides a form and functional replacement for the R-30D, while supplying enhanced, extended range linearity, at a more cost effective price.

Due to the digital front end, the R-60D provides improved resistance to external EMI and RFI disturbances. Built in voltage regulation provides a stable, non-ratiometric output over varying input voltage conditions. Typical applications include ball valve position feedback, throttle and position level feedback and actuation feedback.



### wiring



# R-60D RVITS (DC-Operated Rotary Variable Inductance Transformers)

**Full Range** 

Input Voltage (nom)

Scale Factor

Output Voltage (nom)

Input Current **Output Current** Output Impedance Frequency Response

**Linearity Error** 

Non-repeatability & Hysteresis **Storage Temperature Range Operating Temperature Range Temperature Coefficient of FS** 

**Lead Wires** Torque

Weight Mounting **Bearings** 

**Shaft Diameter** 

**Axial Shaft Bearing Load Capacity Radial Shaft Bearing Load Capability** 

**Housing Material** 

### **Specifications**

+/- 60°

+/- 15 Volts DC (+/- 10%)

0.125 V/°

+/- 7.5 VDC (at 60°)

21 mA

5 mA

<1 Ohms

200 Hz @ -3 dB

+/- 0.50% of full scale output (@ ±60-degrees)

0.1% of full scale output maximum -67°F to 250°F (-55°C to 125°C) -13°F to 185°F (-25°C to 85°C)

+/-0.02%/F° (0.04%°C)

24 AWG, PVC insulation, 4 wire, minimum 12" long

0.12 in-oz 1.2 oz (34 gm)

Size 11 Servo Mount BU-ORD

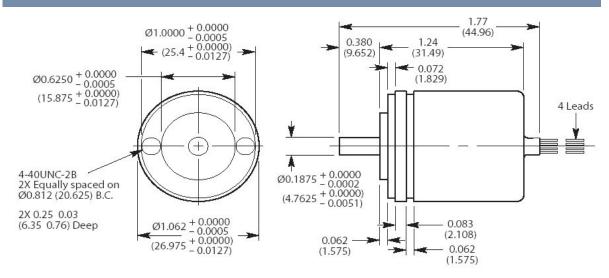
Shielded ABEC 3 Precision

3/16 in (4.76 mm) 10 lbs (4.54 kg)

10 lbs (4.54 kg)

Aluminum

#### dimensions



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## ordering information

Specify by Model Number

R-Flex coupler available separately

**Model Number Size** Range R<sub>60</sub>D  $+/-60^{\circ}$