**R11X-J10/7 Specification Sheet**

**DESCRIPTION**

Designed for reliable operation the R11X-J10/7 can be used in a wide range of applications. The brushless resolver is unsurpassed by any other type of rotary position transducer. Use this resolver for space critical applications where environmental sealing is not needed. The resolver provides absolute position of the input shaft and being ratiometric any changes in the resolvers characteristics, such as those caused by aging, frequency, voltage or a change in temperature are ignored. Consider using the HT-6 transducer, AMCI's smallest transducer, for single turn applications that require an environmentally sealed package. Due to the small shaft size a flexible coupler must be used when connecting the resolver to your machinery.

**DIMENSIONAL DRAWING**

The picture below shows how to connect a R11X-J10/7 to AMCI's standard cable. Connection to the AMCI Controller follows published cable prints.

**SPECIFICATIONS**

- Input Voltage: 7.0 V
- Input Freq: 5000 Hz
- Primary: Rotor
- Input Current: 17.0 mA Max.
- Trans. Ratio: 0.95 ± 5%
- Accuracy: 7 min. (max. error)
- NEMA Rating: NEMA 1

**Sample Installation**

Shields of the cable must not be connected to chassis ground except at the AMCI Controller. Strip the shields back to inside the cable.

**SCHEMATIC**

COS Winding

S1 (Red)  Vc = Vr COSθ  S3 (Bk)

R1 (Red/Wht)*

Vr

R2 (Blk/Wht)

Rotary Transformer

S2 (Yel)  Vs = Vr SINθ  S4 (Blu)

*S (Wire Color)

**R11X-J10/7**

Six Leads

28 AWG Teflon Insulated

9" Length Min.

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1.590" max.

.062" ± .003"