**R11X-4J10/20 Specification Sheet**

**DESCRIPTION**

Designed for reliable operation the four-speed R11X-4J10/20 can be used in a wide range of space critical applications where environmental sealing is not needed. The electrical outputs of the R11X-4J10/20 complete four sinusoidal cycles for every turn of the input shaft. Therefore, this resolver gives an absolute position output every 90°, not every 360° as a standard one-speed resolver does. These resolvers are still ratiometric and being so, any changes in the resolvers characteristics, such as those caused by aging, frequency, voltage or a change in temperature are ignored. Due to the small shaft size a flexible coupler must be used when connecting the resolver to your machinery.

**DIMENSIONAL DRAWING**

![Dimensional Drawing](image)

**SCHEMATIC**

![Schematic](image)

**SPECIFICATIONS**

- **Input Voltage:** 7.0 V
- **Input Freq:** 5000 Hz
- **Primary:** Rotor
- **Input Current:** 17.0 mA Max.
- **Output Voltage:** 6.65 V Nom.
- **Trans. Ratio:** 0.95 ± 5%
- **Accuracy:** 20 min. (max. error)
- **NEMA Rating:** NEMA 1

**Sample Installation**

The picture below shows how to connect a R11X-4J10/20 to AMCI's standard cable. Connection to the AMCI Controller follows published cable prints.

**Sample Installation Diagram**

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

**LEADERS IN ADVANCED CONTROL PRODUCTS**