**R11W-2F1017 Specification Sheet**

**DESCRIPTION**

Designed for reliable operation, the two-speed R11W-2F1017 can be used in a wide range of space critical applications where environmental sealing is not needed. The electrical outputs of the R11W-2F1017 complete two sinusoidal cycles for every turn of the input shaft. Therefore, this resolver gives an absolute position output every 180°, not every 360° like a standard one-speed resolver does. The 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 this resolver to your machinery. Note that this resolver is a Control Transformer, not a Transmitter, and will not work with AMCI's standard controllers or interface modules.

**DIMENSIONAL DRAWING**

![Diagram of R11W-2F1017](image)

**Specifications**

- Input Voltage: 12.0 V
- Input Freq: 2500 Hz
- Primary: Stator
- Input Current: 10.0 mA Max.
- Output Voltage: 6.00 V Nom.
- Trans. Ratio: 0.50 ± 5%
- Accuracy: 10 min. (max. error)
- NEMA Rating: NEMA 1

**Sample Installation**

The picture below shows how to connect a R11W-2F1017 to AMCI's standard cable.

![Diagram of installation](image)

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