

The Duncan 9800 Series Sensor is designed for rugged, continuous under hood environments. Features include high temperature, stable materials; insert molded integral connector/body design to eliminate weak/stress points or leaks during engine wash-down or water exposure.

ELECTRICAL SPECIFICATIONS

 $85^{\circ} \pm 2^{\circ}$ (See Fig. 1)

Linearity:

Std $\pm 2.0\%$ over active electrical rotation (See Fig. 1)

Spec. $\pm 0.5\%$ over active electrical rotation (See Fig. 1)

0.15 Watts

leadwire—9832

120° (Except 130° for 9831, 9832)

5,000,000 dither cycles

0.68 Nm max.

-40°C to +135°C

95% @ 38°C

0.11 Nm max.

1.35 Nm max.

15 G's, 50 to 1,000 Hz.

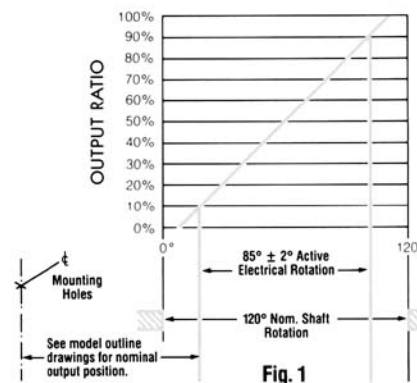
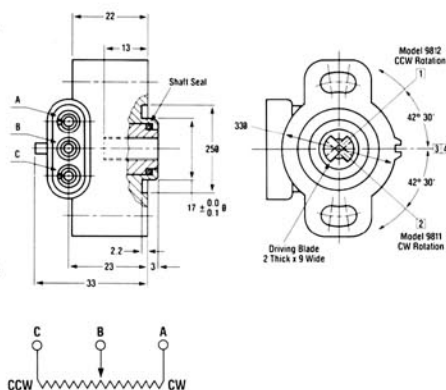
Shock:

18.5 21 20 5.0 Wide Slots, Typ.

2 38 2 15° Typ.

28 50

Female Connector Mates With Packard Electric Weather Pack Panel Connector



Spring returns slider to counter-clockwise end on CW sensors.

Spring returns slider to clockwise end on CCW sensors.

Sensor Female Connector Mates With Packard Electric Weather Pack Connector

- Three-way Tower with Seal (1 required) P/N 12015793
- Male Pin (3 required) P/N 12033674 (for 18 AWG wire)
- Wire Cable Seal (3 required) P/N 12015284

Most specifications may be altered to meet specific requirements

1 Nominal Midpoint of Mechanical Rotation for CCW Rotation.

- 2 Nominal Midpoint of Mechanical Rotation for CW Rotation.
3 Nominal 10% Output Position for CCW Rotation.
4 Nominal 10% Output Position for CW Rotation.
5 Both Driving Blades and Shaft are Shown in Midpoint Position.
6 All Dimensions and Values Shown in Metric.