

FAX: (503) 249-2999



# **Installation Instructions for R8941 Feed Thru Signal Generator**

# **Mounting Instructions**

- a. Check Signal Generator to assure proper size drive tang is inserted fully into the generator body. The drive tang is snapped into place, but is free to move allowing for normal eccentricity.
- b. Carefully insert the tip of the male drive tang into the female drive and screw the Signal Generator down finger tight. Tighten drive fitting securely; torque must not exceed 15 lb-ft max.

  Over-tightening can damage the unit and will void the warranty.

NOTE: The Signal Generator can be mounted in any position and works equally well in either direction of rotation.

#### **Electrical Connections**

- a. Make electrical connections to the Signal Generator, checking for clean, secure connections.
- b. Two conductor shielded cable is preferred to minimize electrical interference. The shield may be grounded at the most convenient termination one end only.
- c. A twisted pair cable must be used if shielded cable is not available, to minimize electrical interference.

An ohmmeter may be used to electrically check the Signal Generator. The resistance will be 234 ohms between wires with nothing attached.

#### Maintenance

No routine maintenance is required for the Signal Generator. If the Signal Generator is installed in a harsh or severe environment, check terminations for clean and secure connections. The snap-in drive tang may be easily replaced if worn.

# NOTE: COMMON CAUSES OF FAILURE WHICH WILL VOID YOUR WARRANTY!

Do not over tighten!

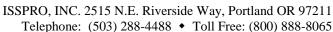
Use of incorrect Drive Tip can damage these senders.

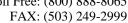
- Max 4000 RPM
- 7/8-18 internal and 7/8-18 external thread

#### **Drive Tips for Generators**

Male	Female
R8971 .152" tang	R8975 .203" tang hole
R8972 .187" tang	R8976 .104" square hole
R8973 .203" tang	R8977 .152" tang hole
R8974 .104" square	R8978 .187" tang hole
R8979 .150" square	_









# Installation Instructions for R8970 Signal Generator

#### **Mounting Instructions**

- c. Check Signal Generator to assure proper size drive tang is inserted fully into the generator body. The drive tang is snapped into place, but is free to move allowing for normal eccentricity.
- d. Carefully insert the tip of the male drive tang into the female drive and screw the Signal Generator down finger tight. Tighten drive fitting securely; torque must not exceed 15 lb-ft max.

  Over-tightening can damage the unit and will void the warranty.

NOTE: The Signal Generator can be mounted in any position and works equally well in either direction of rotation.

# **Electrical Connections**

- d. Make electrical connections to the Signal Generator, checking for clean, secure connections.
- e. Two conductor shielded cable is preferred to minimize electrical interference. The shield may be grounded at the most convenient termination one end only.
- f. A twisted pair cable must be used if shielded cable is not available, to minimize electrical interference.

An ohmmeter may be used to electrically check the Signal Generator. The resistance will be 234 ohms between wires with nothing attached.

#### Maintenance

No routine maintenance is required for the Signal Generator. If the Signal Generator is installed in a harsh or severe environment, check terminations for clean and secure connections. The snap-in drive tang may be easily replaced if worn.

#### NOTE: COMMON CAUSES OF FAILURE WHICH WILL VOID YOUR WARRANTY!

Do not over tighten!

Use of incorrect Drive Tip can damage these senders.

- Max 4000 RPM
- 7/8-18 internal thread

### **Drive Tips for Generators**

#### Male

R8971 .152" tang R8972 .187" tang R8973 .203" tang R8974 .104" square

R8979 .150" square

