

Standard and Custom
Sensors for Speed, Motion, and Temperature
Cabling and Controls

DIGI-TRAN® ZERO-SPEED SERIES OPERATING INSTRUCTIONS

Description

Zero-speed sensors are suited for sensing down to zero speed. These sensors provide a constant amplitude output unaffected by variations in exciter speed.

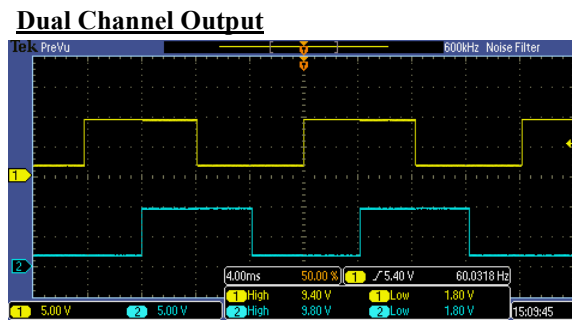
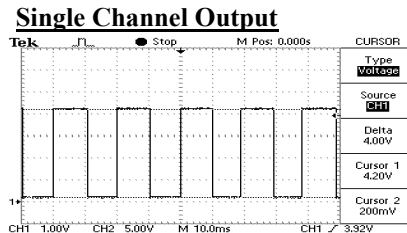
Typical Applications

- Traction Motor Speed
- Transmission Speed
- Engine RPM
- Over/Under Speed
- Wheel Speed
- Heavy Vehicle/Anti-Skid
- Process Equipment

ESD

It is possible that the sensor can be damaged by electrostatic discharge. Use appropriate precautions when handling exposed wires or pins.

Typical Output Waveform

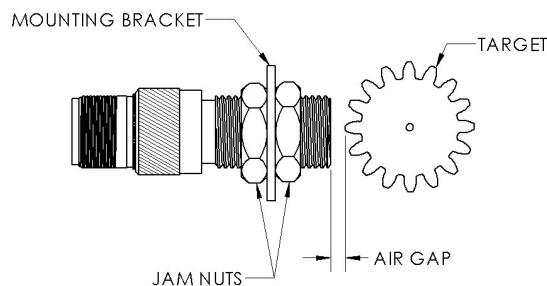


CAUTION

- Ensure machine cannot operate during installation.
- Ensure sensor is connected properly to the power source and control system.
- Account for wobble or run-out when setting the air gap.
- Ensure all nut(s) or bolt(s) are tightened properly.

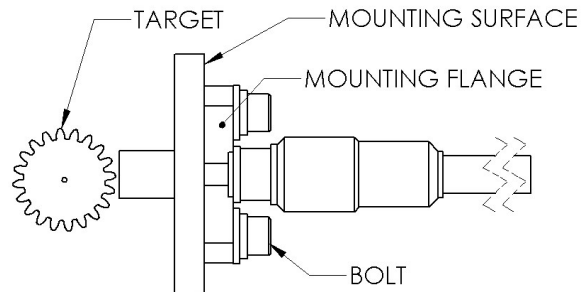
Typical Installations

Threaded



- Install sensor in mounting location.
- Set air gap using feeler gage.
- Secure jam nut(s).

Flange



- Install sensor in mounting location.
- Secure bolt(s). The use of thread-locking washers or compounds are recommended.