

**Typical usage:** Low speed sensing of a ferrous target (gear tooth, blade tip, bolt head, keyway, etc.) with no magnetic drag. A RF sensor and matched RF signal conditioner must be used together. Produces a digital square wave signal with the frequency proportional to the speed.

**Supply Voltage (Vs):** See below

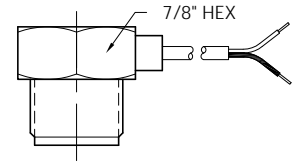
**Pulse Out (Vo):** 0 - Vs, 0 - 5V(TTL), 0 - 10V, OC, NPN/PNP

Please contact [info@spectecsensors.com](mailto:info@spectecsensors.com) for detailed spec-sheets on each sensor family listed.

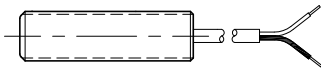
Thread Length: .5 - 6.0" (13-152mm)  
Resistance / Inductance: **RF4:** 4.0 Ohm, 0.36 mH or **RF10:** 12.0 Ohm, 1.00 mH  
Air Gap: Typically up to .130" for harsh environments, (.160" for epoxy sealed high-sensitivity version)  
Temp. Ranges: **3T:** -150° to 330° F (-101° to 165° C)  
**4HT:** -250° to 400° F (-157° to 204° C)  
**5HT:** -450° to 450° F (-270° to 232° C)  
**8HT:** -450° to 750° F (-270° to 399° C)

**RF-H90**  
5/8-18 UNF  
11/16-24 UNEF

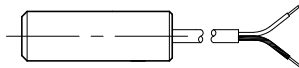
Custom made types are available



**RF-A**  
3/8-24 UNEF M10 x 1.0  
1/2-20 UNEF M12 x 1.0



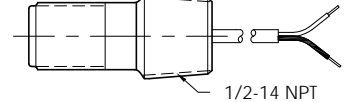
**RF-S**  
ø3/8 (9.5mm)  
ø1/2 (13mm)



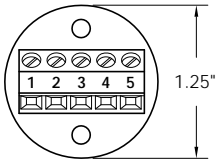
**RF-K**  
1/2-20 UNF 5/8-18 UNF  
11/16-24 UNEF 3/4-16 UNF  
M18 x 1.5



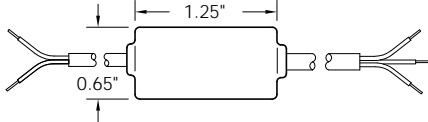
**RF-X**  
1/2-20 UNF 5/8-18 UNF  
11/16-24 UNEF 3/4-16 UNF



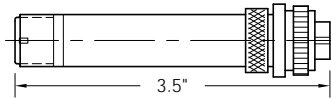
**4013**  
RF Preamplifier  
Supply Voltage: 11.5 - 30 VDC  
Temp Range: -40° to 221° F (-40° to 105° C)  
Fits in Killark Y-1 or similar enclosure



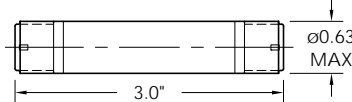
**4014H**  
Ultra Compact In-line RF Preamplifier  
Supply Voltage: 11.5 - 30 VDC  
Temp Range: -40° to 284° F (-40° to 140° C)



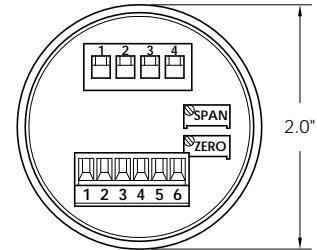
**4014**  
In-line RF Preamplifier with MS Connectors for direct connection to sensor  
Supply Voltage: 11.5 - 30 VDC  
Temp Range: -40° to 284° F (-40° to 140° C)



**4014M**  
In-line RF Preamplifier with MS Connectors for connection to sensor with intermediate cable  
Supply Voltage: 11.5 - 30 VDC  
Temp Range: -40° to 284° F (-40° to 140° C)



**4016**  
Frequency to Current / Voltage Converter  
4-20 mA, 10-50 mA, 0-5V, 0-10V  
Supply Voltage: 12 - 30 VDC  
Temp Range: -40° to 160° F (-40° to 70° C)  
Fits in Killark Y-3 or similar enclosure



## DIGISPEC RF NEAR ZERO SPEED SENSORS

### No Magnetic Drag, With Integral Amplifier

**Typical usage:** Low speed sensing of a ferrous target (gear tooth, blade tip, etc.) with no magnetic drag. Produces a digital square wave signal with the frequency proportional to the speed.

**Supply Voltage (Vs):** 7 - 30 Vdc @ 10 mA

**Pulse Out (Vo):** 0 - Vs, 0 - 5V(TTL), 0 - 10V, OC, NPN/PNP

**Frequency Range:** 0.5 - 5000 Hz

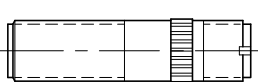
**Air Gap:** 0.160" Typical depending on target mass and velocity

**Temp. Ranges:** **2TE:** -40° to 240° F (-40° to 120° C) or **3TE:** -49° to 284° F (-45° to 140° C)

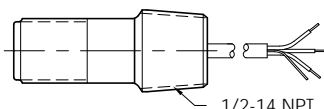
Please contact [info@spectecsensors.com](mailto:info@spectecsensors.com) for detailed spec-sheets on each sensor family listed.

Thread Length: 1.25 - 8.0" (32-203mm)

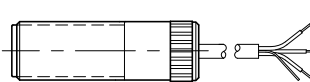
**0096** 5/8-18 UNF  
**0097** 11/16-24 UNEF



**0095X** 5/8-18 UNF  
**0098X** 11/16-24 UNEF



**0095** 5/8-18 UNF  
**0098** 11/16-24 UNEF



**0095Y** 5/8-18 UNF

