

# Active Magnetic Sensors – Zero Velocity

Zero Velocity UL/CSA Listed with 10 ft Leads

## Ordering Part #

087-304-0036

(Pipe thread connection)

## Specifications:

**Power Supply:** 10 to 14Vdc

**Operating Temperature:** -25°C to +70°C

**Sensed Frequency:** 0 to 10,000 Hz

**Output Voltage:** Essentially square wave fanout to 10 TTL inputs, 40 -60% duty cycle.

LOGIC 0: + 0.6Vdc peak max.

LOGIC 1: + 4 to +5Vdc ( $R_L > 2k$  ohms)

**Output Impedance:** Less than 50 ohms for load resistance above 2K ohms; less than 2K ohms for load resistance below 2K ohms.

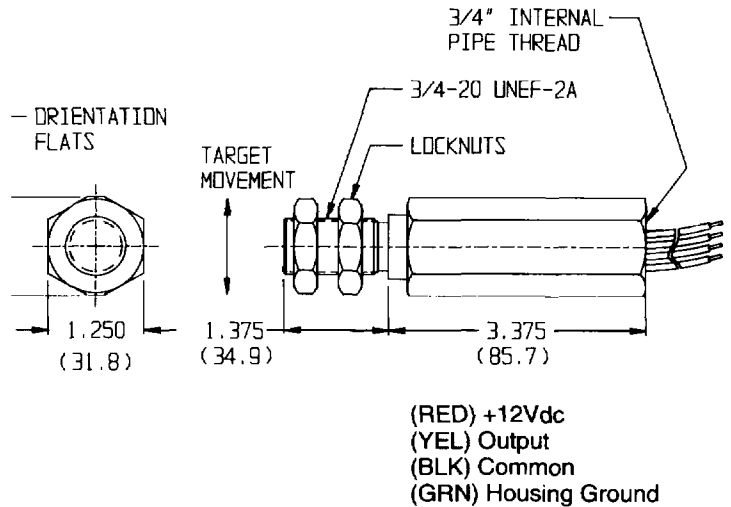
**Air Gap:** .005" to .020" (20 D.P. gear)

.005 to .045" (8 D.P. gear)

**Recommended Gear Pitch:** 20 D.P. to 8 D.P.

**Lead Length:** 10ft (3.05m)

**Rating:** UL and CSA listed for hazardous locations Class I, Groups A,B, C,D; Class II, Groups E,F,G.



## Bi-Directional, Zero Velocity with 5 - Pin Connector

## Ordering Part #

70087-3040-002

(Select cable from group "C", see index)

## Specifications:

**Power Supply:** 10 to 14Vdc

**Operating Temperature:** -12°C to +70°C

**Sensed Frequency:** 0 to 10,000 Hz

**Frequency Outputs :** Essentially square wave fanout to 10 TTL inputs, 40-60% duty cycle.

LOGIC 0: + 0.6 Vdc peak max.

LOGIC 1: +4 to +5Vdc ( $R_L > 2k$  ohms)

**Direction Output:** Fanout to 5TTL inputs

LOGIC 0: +0.6Vdc max.

LOGIC 1: +2.4Vdc min.

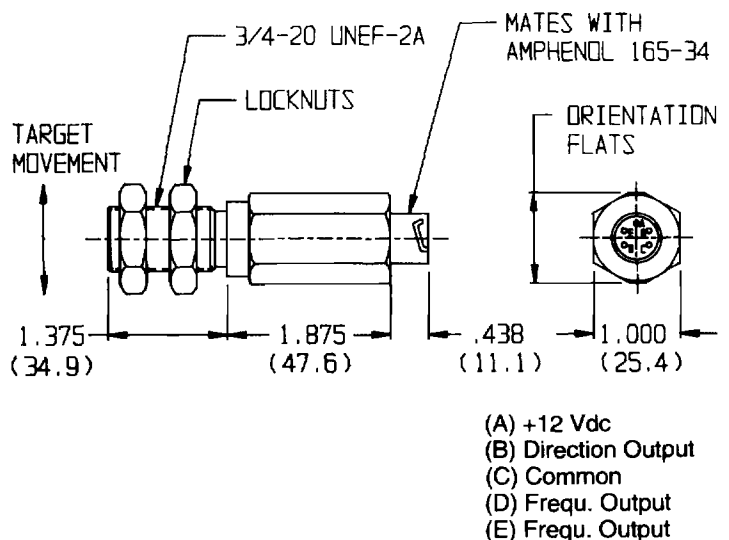
Maximum allowable source current 2mA.

**Direction Output Impedance:** 120 ohms nominal

**Air Gap:** .005" to .025" (20 D.P. gear)

.005 to .050" (8 D.P. gear)

**Recommended Gear Pitch:** 20 D.P. to 8 D.P.



Note: Frequency signals may not be suitable for determining direction depending on application. Recommend use of direction output only.

Dimensions in inches and (mm).