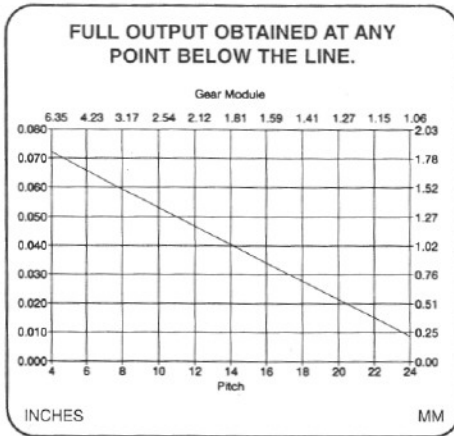
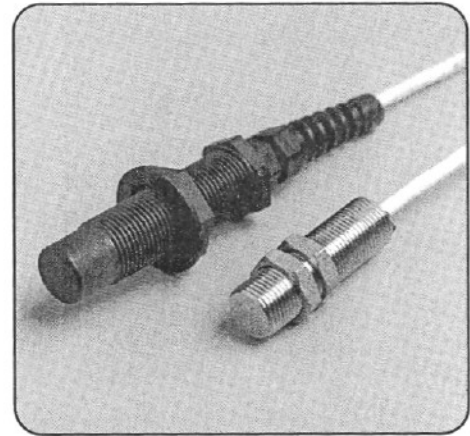


AIR GAP



5/8 3/4
DZH460A/DZH461
ZERO SPEED SENSORS
WITH TRANSIENT PROTECTION

DZH465
ZERO SPEED SENSOR
WITH SINK/SOURCE OUTPUT



FOR SPEED SENSING APPLICATIONS THAT REQUIRE TRUE ZERO SPEED RESPONSE. ALL SENSORS HAVE SEALED FRONT END. SENSOR ALIGNMENT REQUIRED.

TRANSIENT PROTECTION (Supply Voltage Input):
 +60 VDC (peak) @ 1% duty cycle with T<100ms
 -50 VDC (peak) @ 1% duty cycle with T<100ms

OPER. FREQ. RANGE: Zero to 20 KHz

WEIGHT: 4.0 oz. (114 gr.)

DUTY CYCLE: 20 to 80% @ .060" Gap, 8 DP Gear

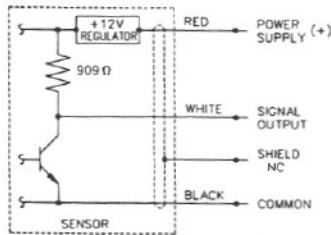
REQUIRED TARGET: Gear, Sprocket, Hole Pattern

OUTPUT SIGNAL RISE/FALL TIME: 2μ Sec. (820 ohms, 20pf)

REVERSE POLARITY: Protected to 15 VDC

VIBRATION: Meets Mil-Std 202F Method 204D

12V SQUARE WAVE OUTPUT



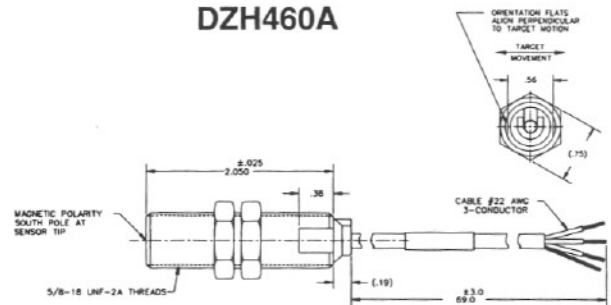
SUPPLY VOLTAGE: 12.5 to 25.0 VDC @ 30mA max.

OPER. TEMP. RANGE: -40 to 257F (-40 to 125C)

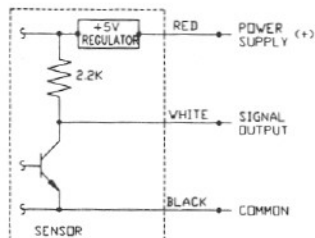
OUTPUT SIGNAL:
 Low = 400 mV max. @ 20 mA sink
 High = $\frac{RL * x 12}{RL * + 909}$

HOUSING MATERIAL: 303 Stainless Steel

DZH460A



5V SQUARE WAVE OUTPUT



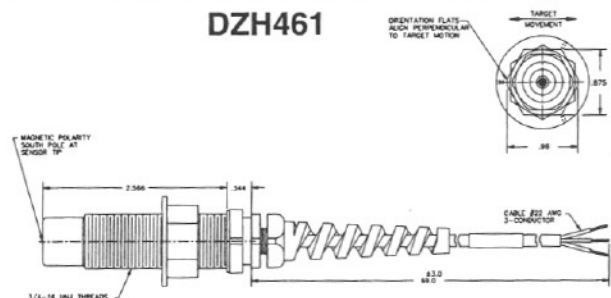
SUPPLY VOLTAGE: 5.5 to 25.0 VDC @ 20mA max.

OPER. TEMP. RANGE: -40 to 220F (-40 to 105C)

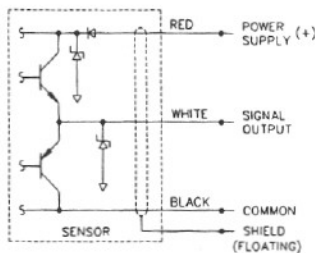
OUTPUT SIGNAL:
 Low = 400 mV max. @ 20 mA sink
 High = $\frac{RL * x 5}{RL * + 2200}$

HOUSING MATERIAL: GE Ultem™

DZH461



SINK OR SOURCE OUTPUT



SUPPLY VOLTAGE: 8.0 to 28.0 VDC @ 20 mA max.

TRANSIENT PROTECTION: 30V @ 7.0 mA

OPER. TEMP. RANGE: -40 to 257 F (-40 to 125C)

OUTPUT SIGNAL:
 Low = 2V max. @ 25mA Sink
 High = Supply -2.5V min. @ 25 mA Source

MAX SINK OR SOURCE CURRENT: 40 mA

HOUSING MATERIAL: 303 Stainless Steel

DZH465

