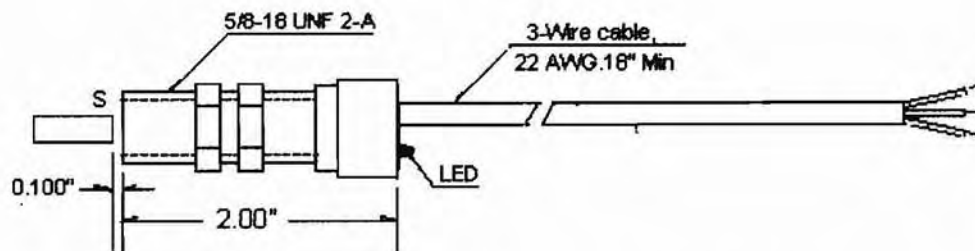


# Hall-Effect Proximity Sensors



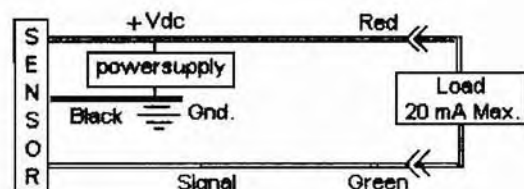
## P/N H.E. 200-34

### SPECIFICATIONS

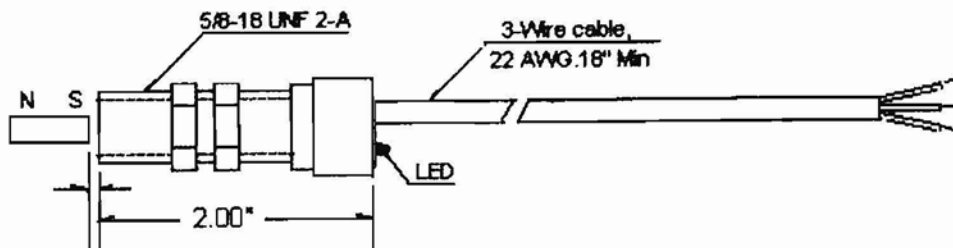
5 TO 24 VDC SUPPLY VOLTAGE  
 LOAD CURRENT----- 20 Ma Max  
 REPEATABILITY:----- 010"  
 LEADS SIZE:----- 22 AWG. STRANDED  
 RESPONSE:-- 1 TO 10,000 PULSES/SECOND  
 L.E.D. ----- OPTIONAL  
 OIL/WATER----- RESISTANT  
 SHOCK AND VIBRATION----- RESISTANT  
 TEMP RANGE:----- 040 TO 250 F  
 Sensor Type: ... N.O. NPN (Sinking)  
 Gap Distance:----- 0 to 0.100"  
 South side of Magnet turns Switch ON

### FEATURE AND BENEFITS:

COMPATIBLE WITH DIGITAL LOGIC  
 REVERSE BATTERY PROTECTION  
 NEEDS ONLY AN UNREGULATED SUPPLY  
 SOLID STATE RELIABILITY  
 OPEN COLLECTOR 25 ma. OUTPUT  
 RESISTANT TO PHYSICAL STRESS



# Hall-Effect Bi-Polar Ring Gear Sensors



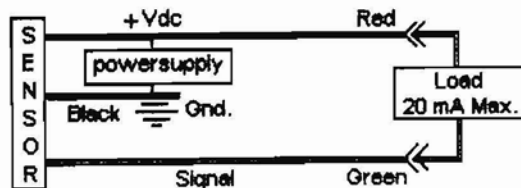
## P/N H.E. 200-B1

### SPECIFICATIONS

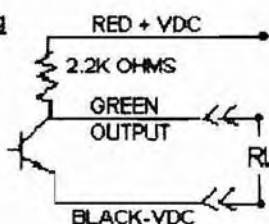
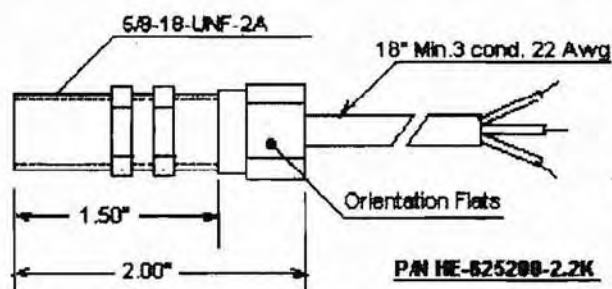
5 TO 24 VDC SUPPLY VOLTAGE  
 LOAD CURRENT----- 20 Ma Max  
 REPEATABILITY:----- 010"  
 LEADS SIZE:----- 22 AWG. STRANDED  
 RESPONSE:-- 1 TO 10,000 PULSES/SECOND.  
 L.E.D. ----- OPTIONAL  
 OIL/WATER----- RESISTANT  
 SHOCK AND VIBRATION----- RESISTANT  
 TEMP. RANGE:----- 040 TO 250 F  
 Sensor Type:... ..N.O. NPN (Sinking)  
 Gap Distance:----- 0 to 0.100"  
 South side of Magnet turns Switch ON  
 North side of Magnet turns Switch OFF

### FEATURE AND BENEFITS:

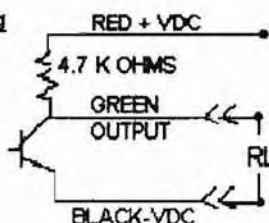
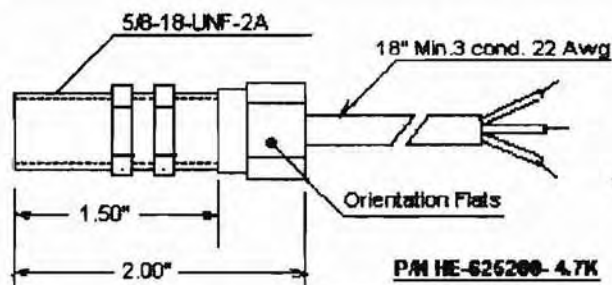
COMPATIBLE WITH DIGITAL LOGIC  
 REVERSE BATTERY PROTECTION  
 NEEDS ONLY AN UNREGULATED SUPPLY  
 SOLID STATE RELIABILITY  
 OPEN COLLECTOR 25 ma. OUTPUT  
 RESISTANT TO PHYSICAL STRESS



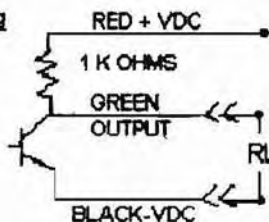
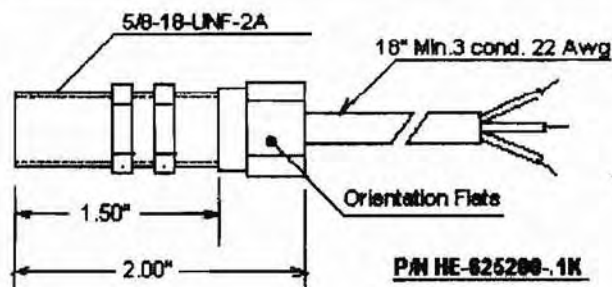
# Hall-Effect Zero Speed Sensors



SUPPLY VOLTAGE: 5.- 25 VDC  
@ 20 Ma. Max.  
TEMP. RANGE: -40 to 257 F  
OUTPUT SIGNAL:  
LOW = 400 MV MAX. @ 20 mA. SINK  
HIGH =  $\frac{RL \times 5V}{RL + 2.2 K}$



SUPPLY VOLTAGE: 5.- 25 VDC  
@ 20 Ma. Max.  
TEMP. RANGE: -40 to 257 F  
OUTPUT SIGNAL:  
LOW = 400 MV MAX. @ 20 mA. SINK  
HIGH =  $\frac{RL \times 5V}{RL + 4.7 K}$



SUPPLY VOLTAGE: 5.- 25 VDC  
@ 20 Ma. Max.  
TEMP. RANGE: -40 to 257 F  
OUTPUT SIGNAL:  
LOW = 400 MV MAX. @ 20 mA. SINK  
HIGH =  $\frac{RL \times 5V}{RL + 1 K}$