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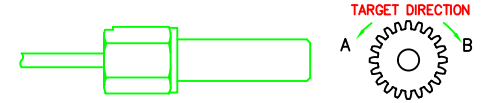
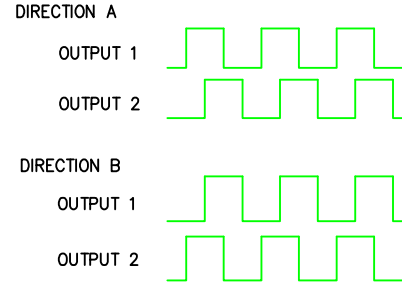
DWG NO. HD-135 SH 1 REV -

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APP

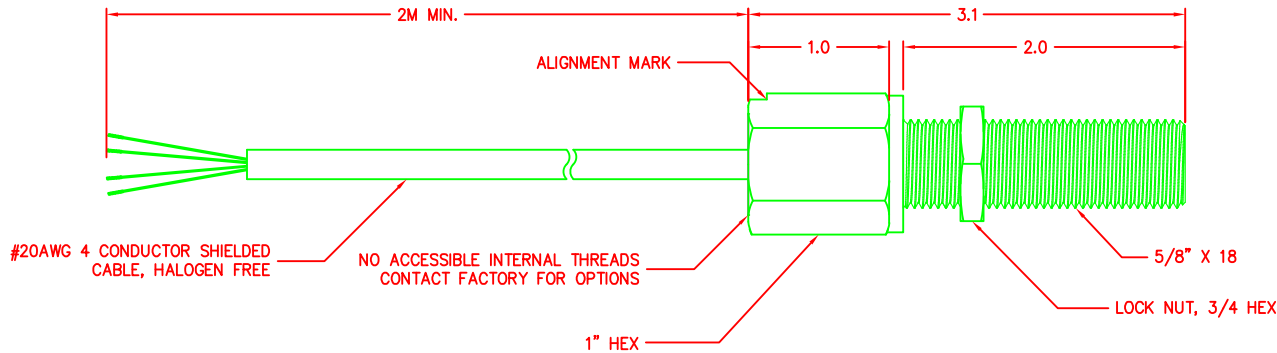
- SUPPLY VOLTAGE: 4.5V TO 30V DC REGULATED
- SUPPLY CURRENT: 10mA MAX
- OUTPUT TYPE: OPEN COLLECTOR, 30V MAX.
- OUTPUT SATURATION VOLTAGE: 0.6V MAX @ 25mA MAX.
- PROTECTION: REVERSE POLARITY AND OUTPUT SHORT CIRCUIT
- OPERATING FREQUENCY: 0Hz TO 15KHz
- AIR GAP: 0.100" (SEE NOTE 1)
- DUTY CYCLE: 50% ± 25% DEPENDENT ON TARGET GEOMETRY
- PHASE SHIFT: 90° ± 45° DEPENDENT ON TARGET GEOMETRY (SEE ALIGNMENT)
- ALIGNMENT: 12P (2M) SPUR GEAR CONTACT FACTORY FOR CUSTOM ALIGNMENT
- OPERATING TEMPERATURE: -40°C TO 125°C
- STORAGE TEMPERATURE: -40°C TO 125°C

NOTES:

1. AIR GAP IS DEPENDENT ON TARGET GEOMETRY AND OPERATING FREQUENCY  
HIGHER OPERATING FREQUENCIES AND FINER PITCH GEARS MAY REQUIRE AIR GAPS  
LESS THAN 0.100"



GEAR DIRECTION	OUTPUT 1	OUTPUT 2
DIRECTION A	LEAD	LAG
DIRECTION B	LAG	LEAD



WIRE DESCRIPTION	WIRE COLOR
POWER INPUT	ORANGE
POWER AND PULSE COMMON	GREEN
OUTPUT PULSE 1	BLUE
OUTPUT PULSE 2	WHITE
SHIELD	SHIELD

**MOTION SENSORS**  
SPEED SENSING SOLUTIONS

786 PITTS CHAPEL ROAD  
ELIZABETH CITY, NC 27909

MATERIAL	APPROVALS	
300 SERIES STAINLESS	DRAWN W. STAMBAUGH	DATE 08/24/16
FINISH	CHECK M. PRITCHARD	08/24/16
	ISSUED M. PRITCHARD	08/24/16

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES OTHER THAN THE SIZE OF RAW MATERIAL SHALL BE HELD AS FOLLOWS:

1 PLACE DECIMAL	±.1
2 PLACE DECIMAL	±.01
3 PLACE DECIMAL	±.005
FRACTIONAL	±1/64
ANGULAR	±1/2°

**MOTION SENSORS, INC.**

TITLE  
**OUTLINE-SPECIFICATION DRAWING  
DUAL HALL EFFECT, OPEN COLLECTOR OUTPUT,  
5/8" X 18 THREADED HOUSING WITH CABLE**

SIZE <b>C</b>	CAGE CODE <b>OY2U4</b>	DWG NO <b>HD-135</b>	REV <b>-</b>
SCALE <b>NONE</b>	SHEET		

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