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DWG NO. HD-131 SH 1 REV -

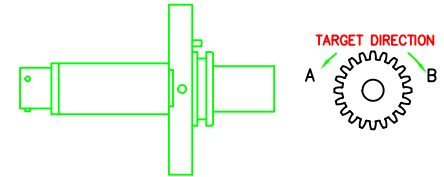
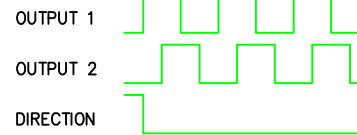
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APP

- SUPPLY VOLTAGE: 8V TO 30V DC REGULATED
- SUPPLY CURRENT: 15mA MAX @ NO LOAD, BOTH OUTPUTS HIGH
- OUTPUT TYPE: 5V, OPEN COLLECTOR
- OUTPUT LOGIC LOW (Vol): 0.4V MAX @ 5mA
- OUTPUT LOGIC HIGH (Voh): 5V ± 0.25V WITH NO LOAD
- 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
- MATING CONNECTOR: MIL-DTL-26482 TYPE 10-6SN
- ENVIRONMENT RATING: IP68

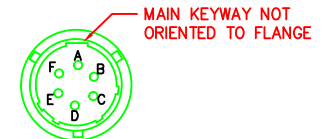
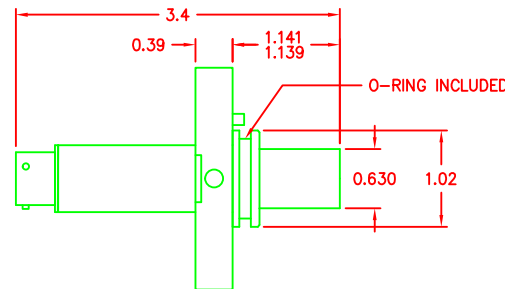
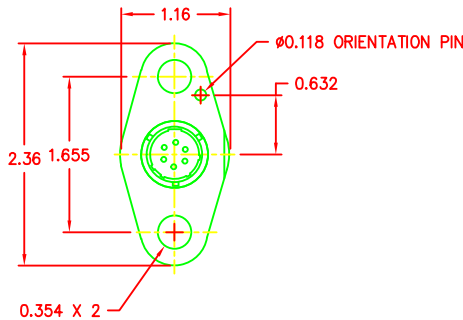
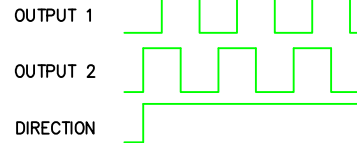
NOTES:

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"

DIRECTION A



DIRECTION B



PIN DESCRIPTION	PIN
POWER INPUT	A
POWER AND PULSE COMMON	B
OUTPUT PULSE 1	C
OUTPUT PULSE 2	D
DIRECTION OUTPUT	E
NO CONNECTION	F

786 PITTS CHAPEL ROAD  
ELIZABETH CITY, NC 27909

MATERIAL	APPROVALS	
300 SERIES STAINLESS	DRAWN W. STAMBAUGH	DATE 08/23/16
FINISH	CHECK M. PRITCHARD	DATE 08/23/16
	ISSUED M. PRITCHARD	DATE 08/23/16
CONFIDENTIAL PROPERTY OF MOTION SENSORS, INC. (MSI) NOT TO BE DISCLOSED TO OTHERS, REPRODUCED, OR USED FOR ANY OTHER PURPOSE, EXCEPT AS AUTHORIZED IN WRITING BY MSI. MUST BE RETURNED ON DEMAND.		
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 TYPE  
 TTL/CMOS (5V) OUTPUT WITH DIRECTION, FLANGED  
 HOUSING WITH CONNECTOR

SIZE C	CAGE CODE OY2U4	DWG NO HD-131	REV -
SCALE NONE	SHEET		

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