

REV	DOCUMENT	CHANGED BY	CHECK
1	205839	GRT 18JUN02	SAV

OPERATING SPECIFICATION

2 5

	LIMIT	
OPERATE 3	1.5°±2.0°	TARGET ENGAGEMENT .150 TO .300 RPM 0 TO 5000
RELEASE 4	3.0°±2.5°	SLOT DEPTH .250 MIN

ELECTRICAL CHARACTERISTICS

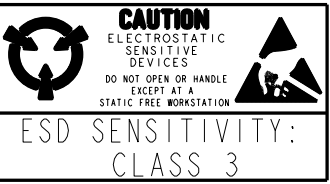
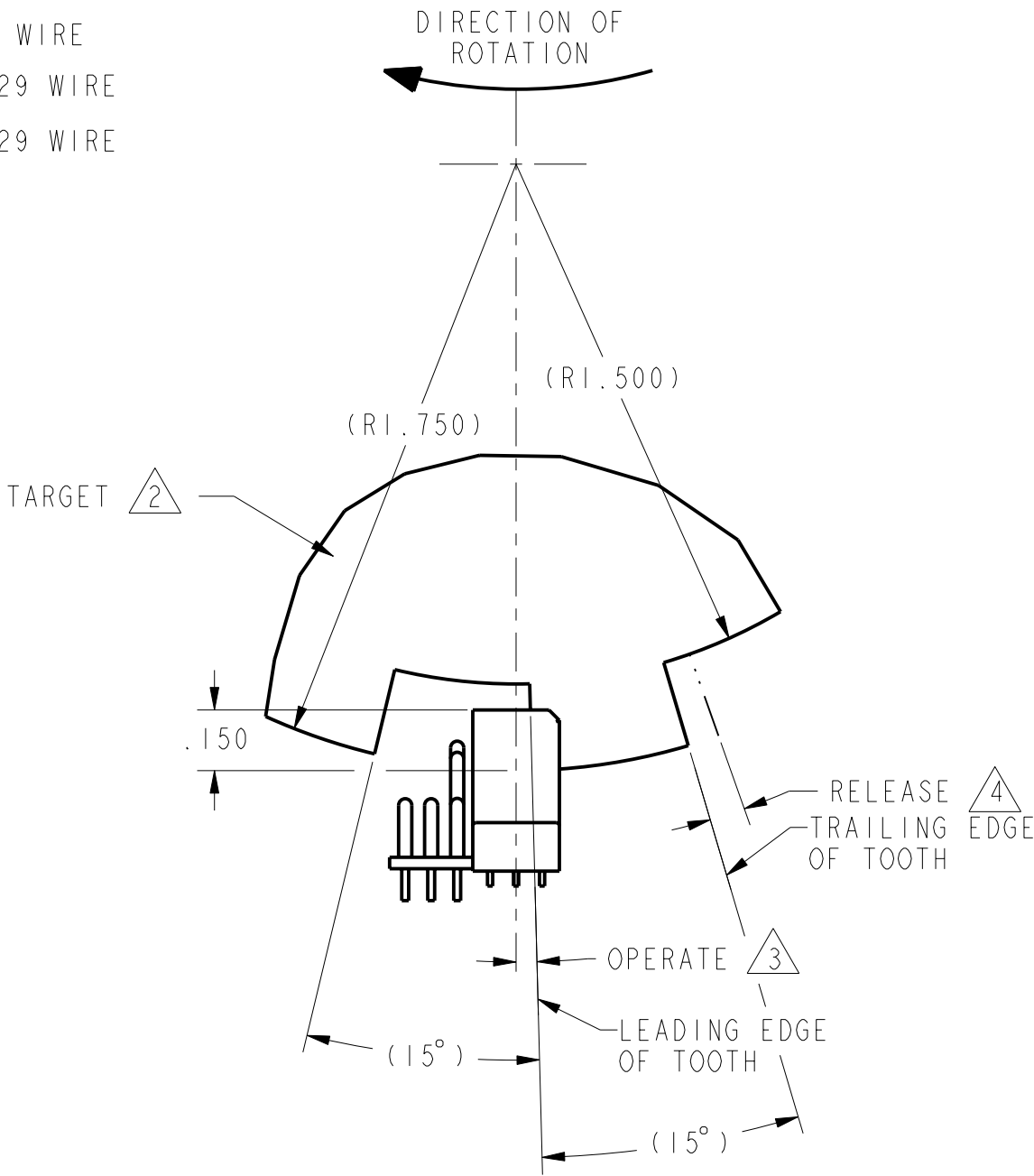
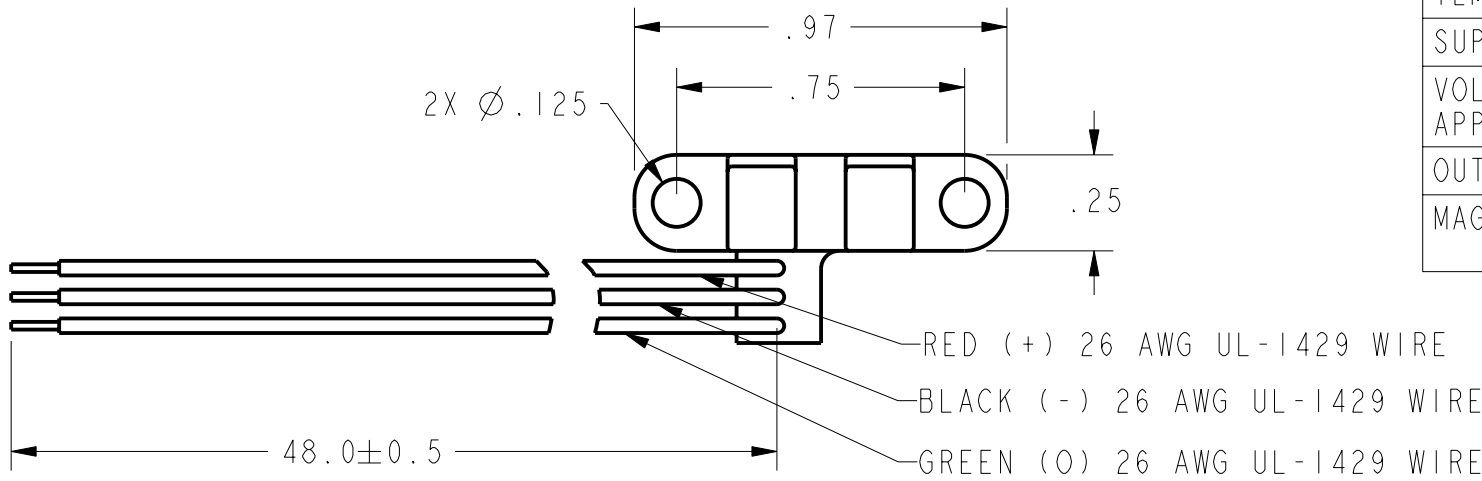
	CONDITION	
SPECIFIED VOLTAGE RANGE		3.8 TO 30 VDC
MAX Ioff	Vcc=30V, Isink=20mA, -20°C<T<85°C, B>MAX OP	9.0 mA
MAX Ion	Vcc=30V, Isink=20mA, -20°C<T<85°C, B>MAX OP	10.0 mA
RATED SINK CURRENT		20 mA
MAX Vsat	Vcc=3.8V, Isink=20mA, B>MAX OP	0.4 V
MAX LEAKAGE CURRENT	Vout=30V, Vcc=24V, B<MIN REL	10 µA
RISE TIME 10% TO 90%	T=25°C, Vcc=12V, R2=1.6 KΩ, C2=20pf	1.5 µS
FALL TIME 90% TO 10%	T=25°C, Vcc=12V, R2=1.6 KΩ, C2=20pf	1.5 µS

ABSOLUTE MAXIMUM RATINGS

TEMPERATURE	-20°C TO +85°C
SUPPLY VOLTAGE (Vs)	3.8 VDC TO 30 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	-0.5 TO +30 VDC
OUTPUT CURRENT	50 mA
MAGNETIC FLUX	NO LIMIT, CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

NOTES

- 1 - MOUNTING SPECIFICATION: NON-FERROUS #4 MACHINE HEAD SCREWS WITH .25 O.D. WASHERS TORQUED TO 3-5 INCH LBS
- 2 SUGGESTED TARGET CONFIGURATION, MATERIAL: .045 LOW CARBON STEEL
- 3 HIGH PERMEABILITY, LOW RESIDUAL INDUCTION
- 4 OPERATE (DEGREES) IS THE ANGULAR DISTANCE FROM THE LEADING EDGE OF THE TOOTH TO THE CENTERLINE ON THE SENSOR
- 5 RELEASE (DEGREES) IS THE ANGULAR DISTANCE FROM THE TRAILING EDGE OF THE TOOTH TO THE CENTERLINE OF THE SENSOR
- OPERATING SPECIFICATION IS BASED ON TARGET SHOWN AND WILL VARY WITH TARGET GEOMETRY



UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			*** US (inch) CUSTOMARY ***	*** SI (mm) METRIC ***	DRAWN	GRT	18JUN02	Honeywell				
NO PLACE X ±.040 ±1			CHECK			SAV	18JUN02					
ONE PLACE .X ±.030 ±0,4			THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.									
TWO PLACE .XX ±.015 ±0,15												
THREE PLACE .XXX ±.005 ±												
ANGLES ± ±												
RAW MATERIAL-COMMERCIAL STANDARD			DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED				TITLE					
THIRD ANGLE PROJECTION							VANE SENSOR-					
			3D PTC				SIZE DWG TYPE DRAWING NAME REV					
							C I SR16C-J8 1					
			ASME Y14.5M-1994				SCALE 2 : 1		WEIGHT		SHEET 1 OF 1	