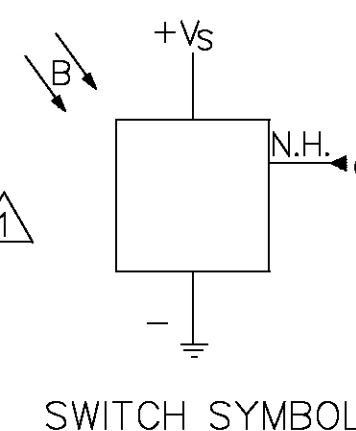


ABSOLUTE MAXIMUM RATINGS

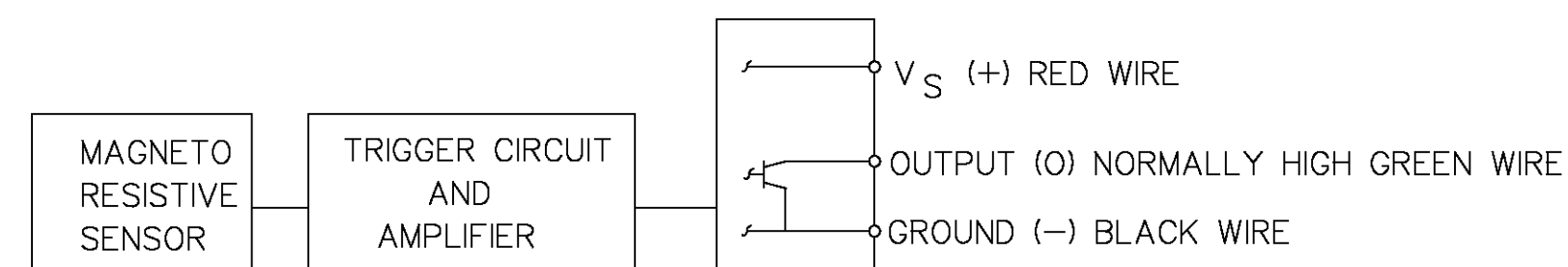
SUPPLY VOLTAGE (VS) 	6 VDC TO 24 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+24 VOLTS DC MAX WITH SWITCH IN "OFF" CONDITION ONLY -0.5 VOLTS MAX WITH SWITCH IN "OFF" OR "ON" CONDITION
OUTPUT CURRENT	20 mA
TEMPERATURE OPERATE AND STORAGE	-40°C TO 85°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT 		2.5 mA	13.5 mA	V _s = 6–24 VOLTS 
OUTPUT VOLTAGE  (OPERATED)		0.25 V	0.4 V	SINKING 20 mA MAX
OUTPUT LEAKAGE  CURRENT (RELEASED)			10 μA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME				
RISE TIME 		0.2 μSEC	1.5 μSEC	10% TO 90%
FALL TIME		0.1 μSEC	0.5 μSEC	90% TO 10%



SWITCH SYMBOL



BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUTS

NOTES

- ① FLUX ENTERING THE SOUTH POLE OR THE NORTH POLE OF THE MAGNET WILL OPERATE THE SENSOR WHEN MAGNET IS POSITIONED AS SHOWN IN FIGURE 2. THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET.
- ② 0.5mm² GAUGE PVC INSULATED CONDUCTORS WITH MOLDED PVC JACKET
- ③ DATE CODE LOCATED IN THIS AREA
- ④ AT 24±2°C
- ⑤ AT SUPPLY VOLTAGE OF 6 TO 24 VOLTS AND TEMPERATURE RANGE OF -40 TO 85°C
- ⑥ CATALOG LISTING LOCATED IN THIS AREA
- ⑦ V_s IS THE UNREGULATED SUPPLY VOLTAGE
- ⑧ TORQUE ON PLASTIC NUTS MUST NOT EXCEED 12 INCH POUNDS
- 9 - THE MAGNETIC CHARACTERISTICS OF THE SWITCH MAY BE AFFECTED BY STRAY MAGNETIC FIELDS
- ⑩ PACKARD ELECTRIC WEATHER PACK CONNECTOR INCLUDING CONNECTOR HOUSING NO. 12010717

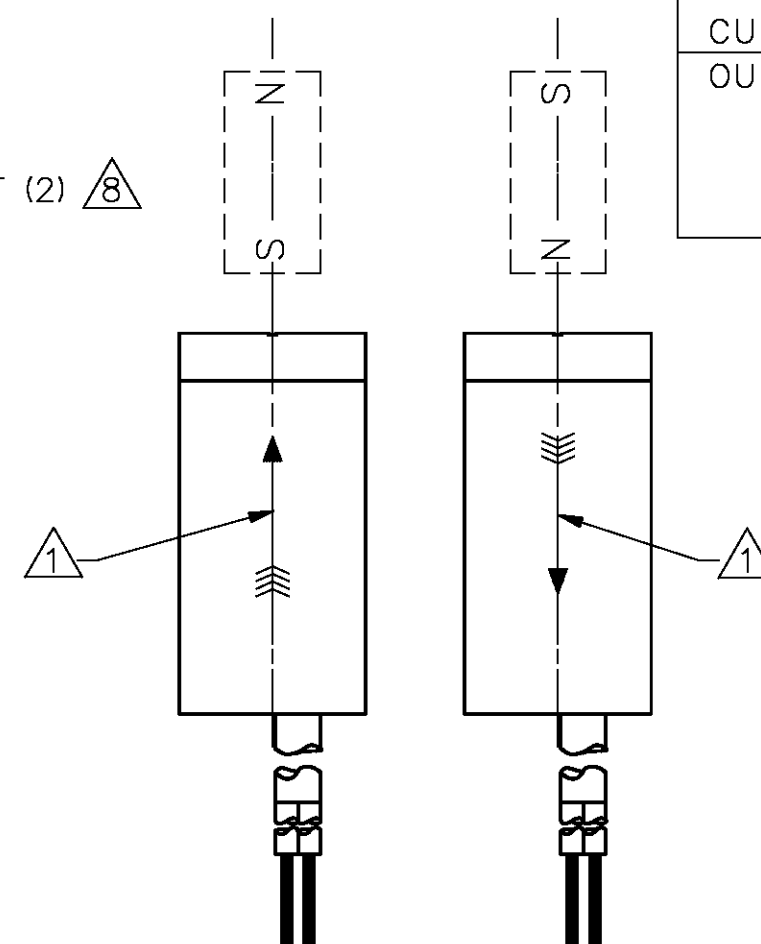
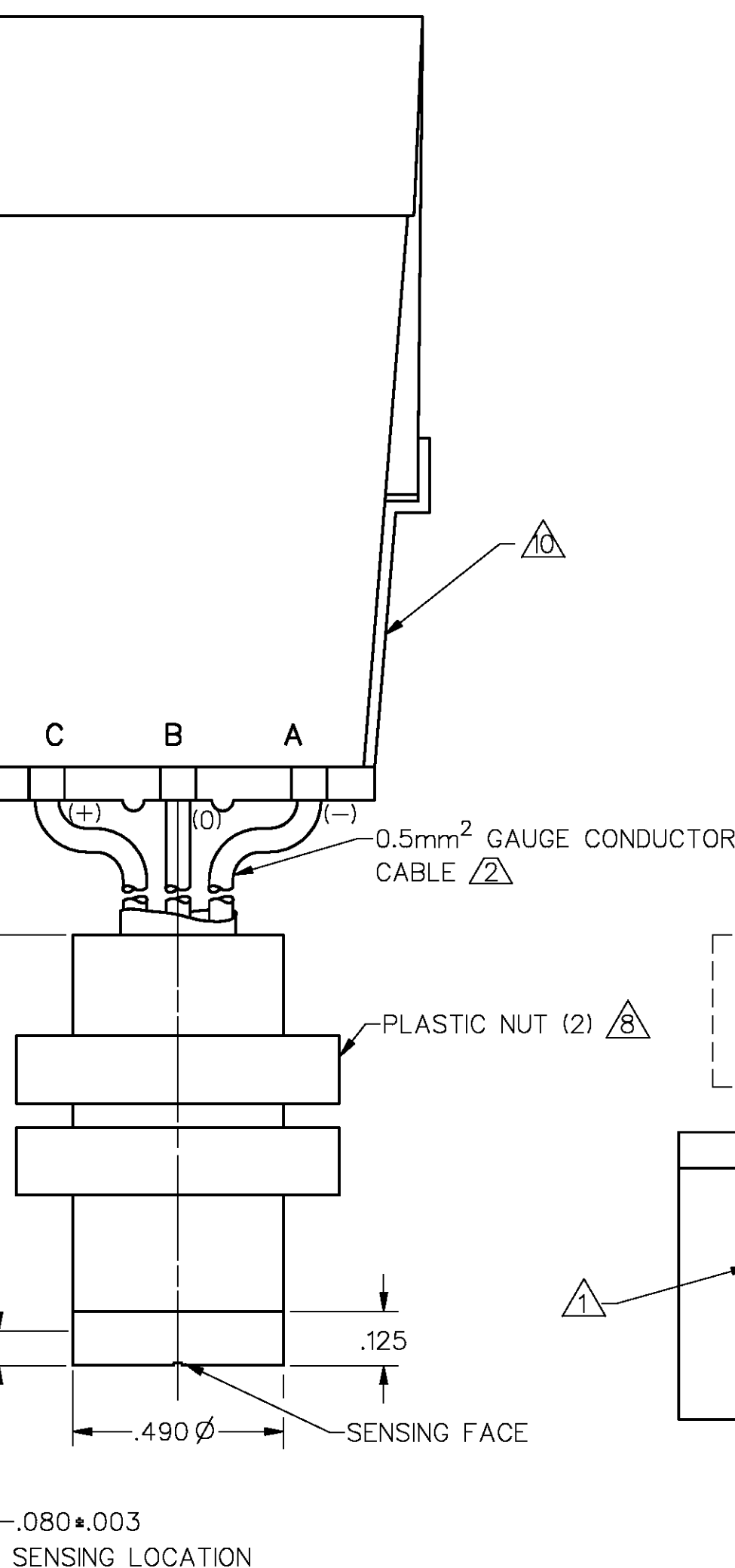


FIG. 2
OPERATE

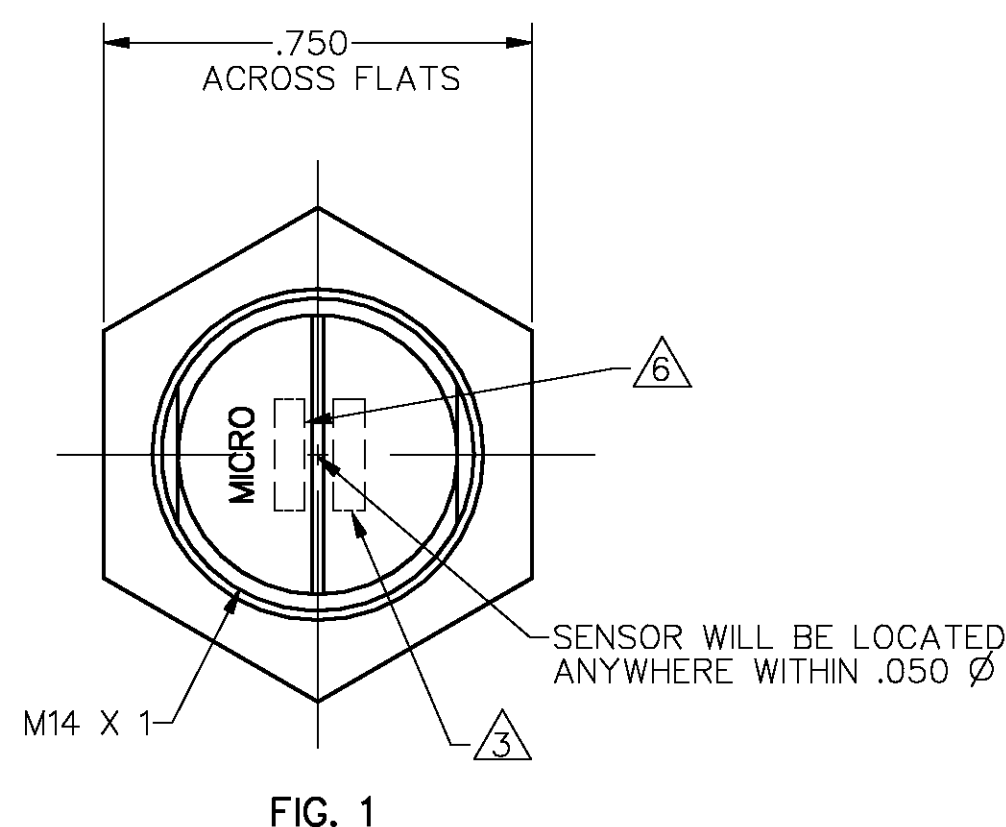


FIG. 1

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MICRO SWITCH
a Honeywell Division

FED. MFG. CODE 81828

MAGNETICALLY OPERATED
CYLINDRICAL MAGNETO
RESISTIVE SWITCH

CATALOG LISTING
SR4P2-C2

THIRD ANGLE PROJECTION

SCALE 3 : 1

DO NOT SCALE PRINT

**UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE**

ONE PLACE (.0) $\pm .030$

ONE PLACE	(.05)	$\pm .005$
TWO PLACES	(.00)	$\pm .015$

TWO PLACES	(.007)	$\pm .015$
THREE PLACES	(.000)	$\pm .005$

THREE PLACES	(.000)	$\pm .000$
ANGLES		$\pm$

ANGLES	1
WEIGHT	

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

5	ISSUE	M	DRAWING NUMBER	SR4P2-C2	PAGE 1 OF 1	RELEASE NO.	PR-20089	REPLACES X

REVISONS		
A	C075307	
J A F		
25 MAY 93		
B	C081515A	
G J W		
12 DEC 94		
C	C082237	
J J A		
22 JAN 96		
D	C082772A	
D L T		
26 APR 96		2

[illegible]

RELEASE NO.	PR-20089	REPLACES X96146-SR
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