

103SR12S-2

OPERATING CHARACTERISTICS 1

GAUSS	
OPERATE MAX	495
RELEASE MIN	120
DIFF MIN	40

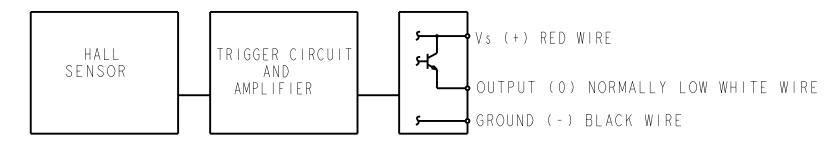
ABSOLUTE MAXIMUM RATINGS

SUPPLY VOLTAGE (Vs)	-1.2 VDC +24.0 VDC
VOLTAGE EXTERNALLY	+6.5 VOLTS DC MAX WITH SWITCH IN "OFF" CONDITION ONLY
APPLIED TO OUTPUT	(Vs+4) VOLTS MAX WITH SWITCH IN "ON" CONDITION
OUTPUT CURRENT	40 mA (SOURCE PER OUTPUT)
TEMPERATURE	-40°C TO 100°C
OPERATE AND STORAGE	
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY
	MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT 4		3mA	6.5mA	Vs=6V OFF CONDITION <u>/8\</u>
		5mA	10.0mA	V s = 16 V
OUTPUT VOLTAGE	Vs-2V	Vs-1.5V		SOURCING 20 mA PER OUTPUT/8
(OPERATED)				
OUTPUT LEAKAGE			20µ A	LEAKAGE INTO SWITCH OUTPUT
CURRENT (RELEASED)				
OUTPUT SWITCHING TIME				
(SOURCING 20 mA)				
RISE TIME 4		SEC پر 3.2	1.54 SEC	10% TO 90%
FALL TIME		0. ایر SEC	0.5μSEC	90% TO 10%

NOTE: THIS DEVICE IS NOT PROTECTED AGAINST HIGH ELECTRICAL NOISE. IF ERRATIC OPERATION OCCURS AFTER INSTALLATION, INSTALL A CAPACITOR ACROSS THE INPUT TERMINALS (O.I MFD). IF ERRATIC OPERATION CONTINUES, YOU MAY HAVE TO USE THE INDUSTRIAL DEVICES THAT MICRO SWITCH MANUFACTURES. PLEASE CONTACT YOUR LOCAL FIELD REPRESENTATIVE FOR INFORMATION.



BLOCK DIAGRAM SHOWING CURRENT SOURCING OUTPUTS

CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET 22 GAUGE PVC INSULATED CONDUCTORS WITH A MOLDED PVC JACKET DATE CODE LOCATED IN THIS AREA FROM -40°C TO 100°C AND 6 TO 24 VOLTS CATALOG LISTING LOCATED IN THIS AREA SENSITIVE AREA IS LOCATED .050 BEHIND THE SENSING FACE JACKET IS CUT BACK 1.37 INCHES FROM FREE END OF LEADS Vs IS THE UNREGULATED SUPPLY VOLTAGE

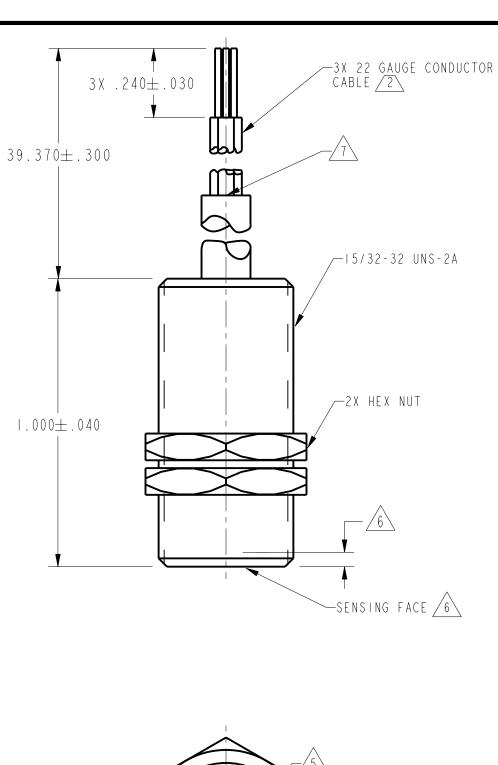
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH. CATALOG LISTING

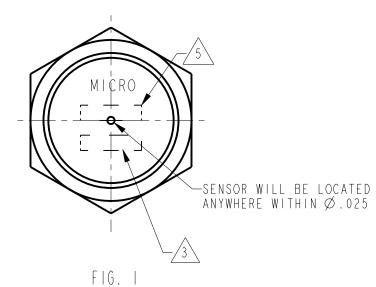
MICRO SWITCH a Honeywell Division FED. MFG. CODE 91929

MAGNETICALLY OPERATED CYLINDRICAL HALL SWITCH

103**S**R12**S**-2

THIRD ANGLE PROJECTION ⊕ -=-DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE (. 0) ± .030 ONE PLACE TWO PLACES (.00) ±.015 THREE PLACES (.000) ± .005 ANGLES WEIGHT





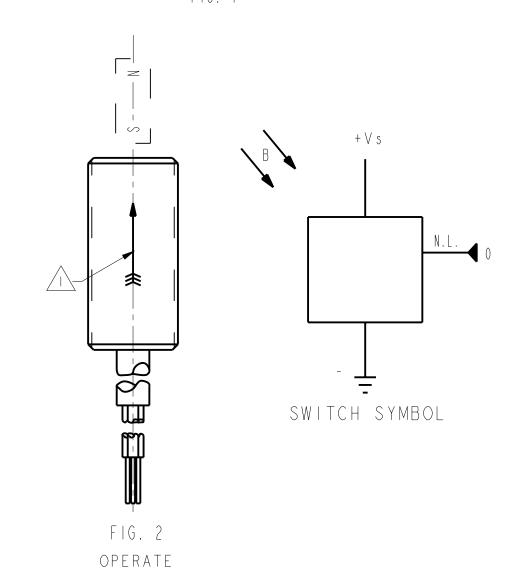
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DR AW I NG NUMBER

4

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ANSI YI4.5M-1982 APPLIES