

OPERATING CHARACTERISTICS $\triangle 1 \triangle 4$

GAUSS	
OPERATE MAX	495
RELEASE MIN	200
DIFF MIN	35

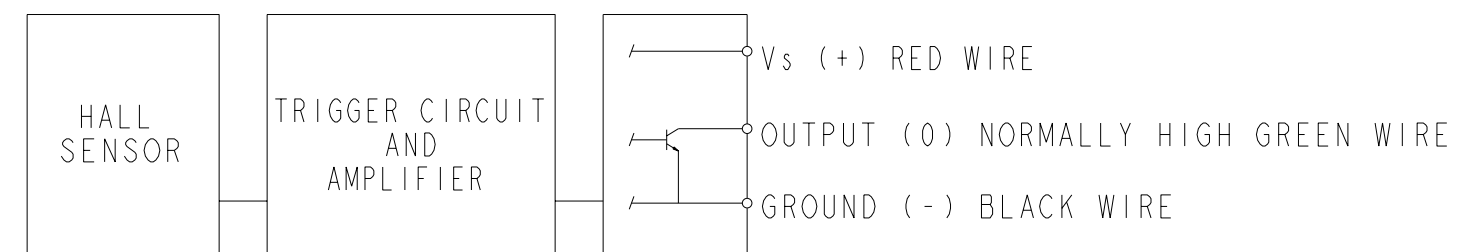
ABSOLUTE MAXIMUM RATINGS

SUPPLY VOLTAGE (V _s) $\triangle 8$	-1.0 VDC TO +25.0 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+25 VOLTS DC MAX WITH SWITCH IN "OFF" CONDITION ONLY -0.5 VOLTS MAX WITH SWITCH IN "OFF" OR "ON" CONDITION
OUTPUT CURRENT	40 mA (SINK PER OUTPUT)
TEMPERATURE OPERATE AND STORAGE	-40°C TO 100°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT $\triangle 7$			10.0 mA	ON CONDITION
OUTPUT VOLTAGE (OPERATED)			0.4 V	SINKING 20 mA PER OUTPUT
OUTPUT LEAKAGE CURRENT (RELEASED)			20μ A	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 20 mA)				
RISE TIME $\triangle 4$			1.5μ SEC	10% TO 90%
FALL TIME			0.5μ SEC	90% TO 10%

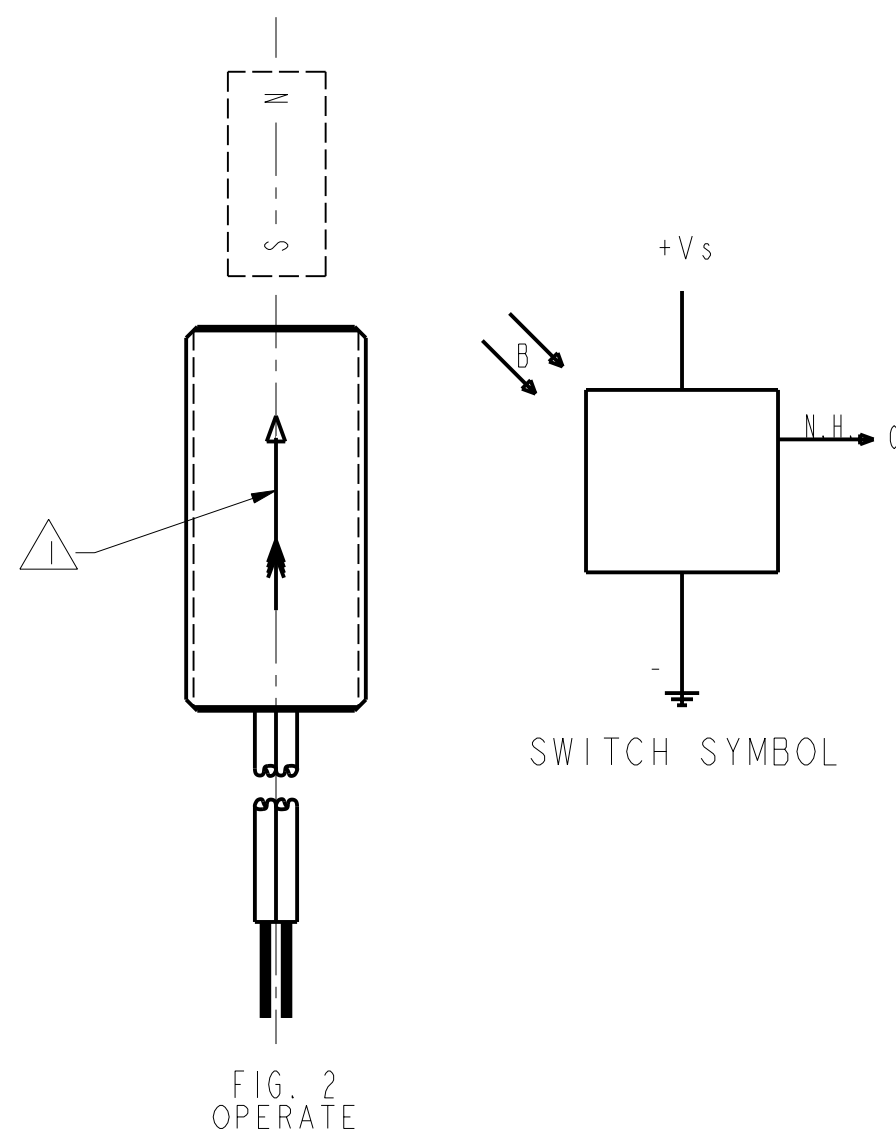
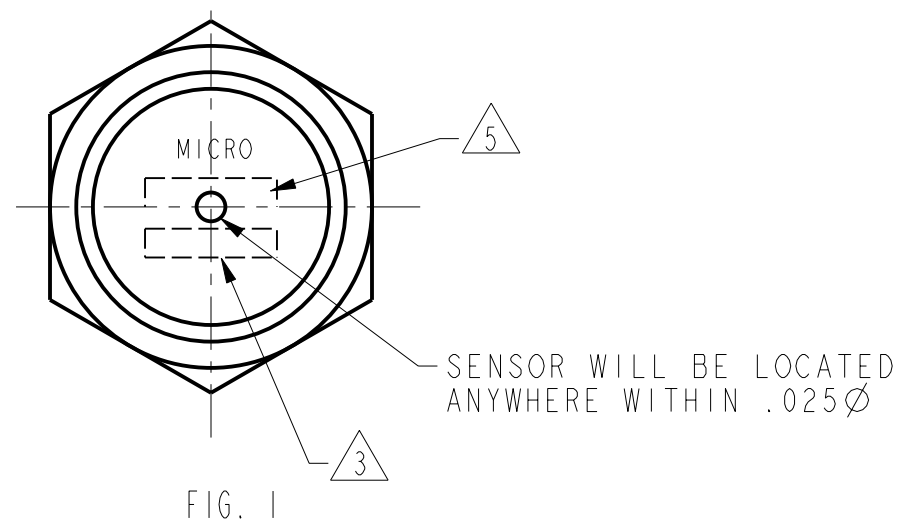
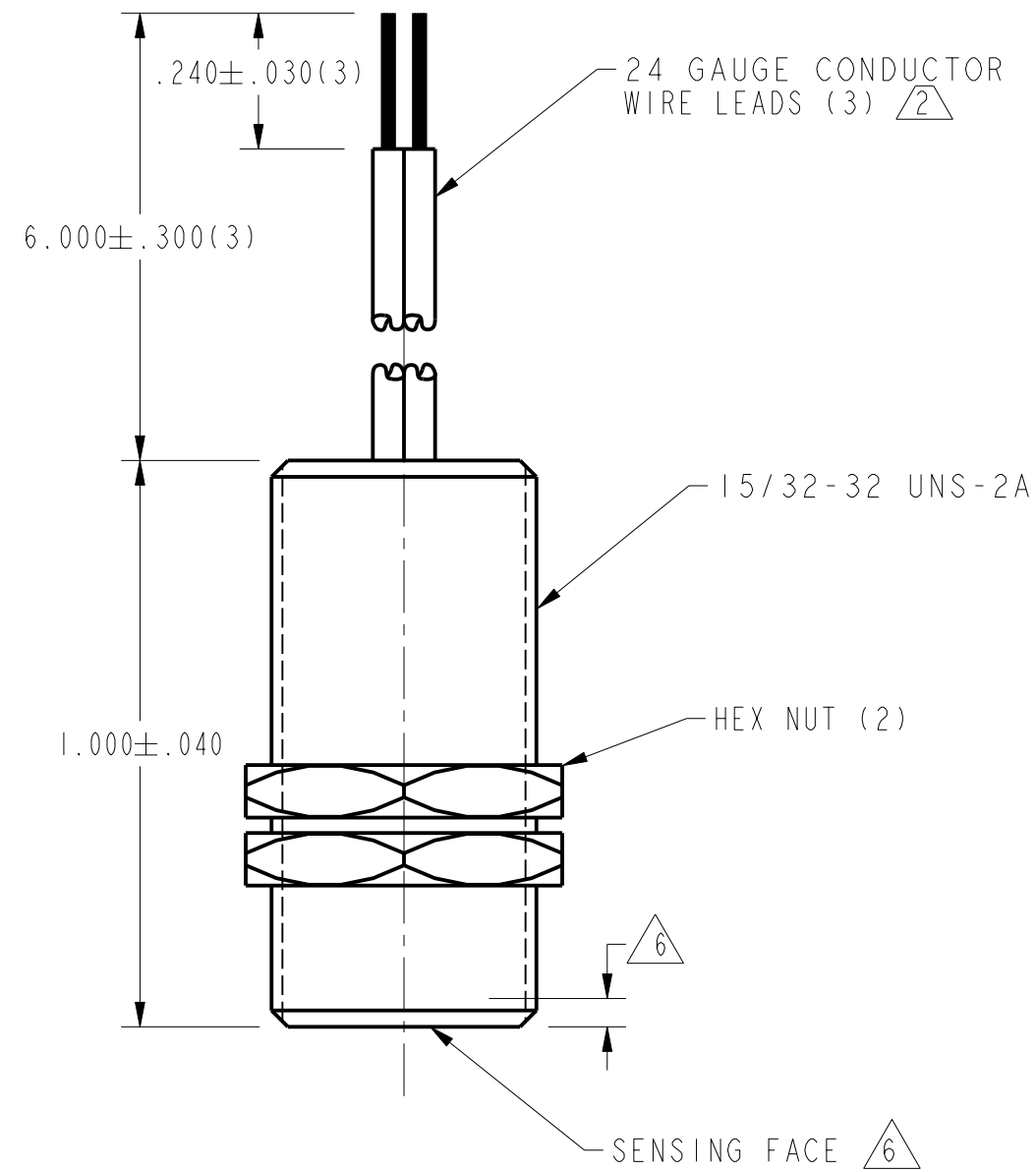
NOTE: THIS DEVICE IS NOT PROTECTED AGAINST HIGH ELECTRICAL NOISE. IF ERRATIC OPERATION OCCURS AFTER INSTALLATION, INSTALL A CAPACITOR ACROSS THE INPUT TERMINALS (0.1 MFD). IF ERRATIC OPERATION CONTINUES, YOU MAY HAVE TO USE THE INDUSTRIAL DEVICES THAT MICRO SWITCH MANUFACTURES. PLEASE CONTACT YOUR LOCAL FIELD REPRESENTATIVE FOR INFORMATION.



BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUTS

NOTES

- $\triangle 1$ FLUX ENTERING THE SOUTH 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
- $\triangle 2$ LEADWIRES (INDIVIDUAL WIRES) ARE 24 GAGE STRANDED WITH IRRADIATED POLYETHYLENE INSULATION
- $\triangle 3$ DATE CODE LOCATED IN THIS AREA
- $\triangle 4$ FROM -40°C TO 100°C AND 4.5 TO 24 VOLTS
- $\triangle 5$ CATALOG LISTING LOCATED IN THIS AREA
- $\triangle 6$ SENSITIVE AREA IS LOCATED .050 BEHIND THE SENSING FACE
- $\triangle 7$ AT 24 \pm 2°C
- $\triangle 8$ V_s IS THE UNREGULATED SUPPLY VOLTAGE



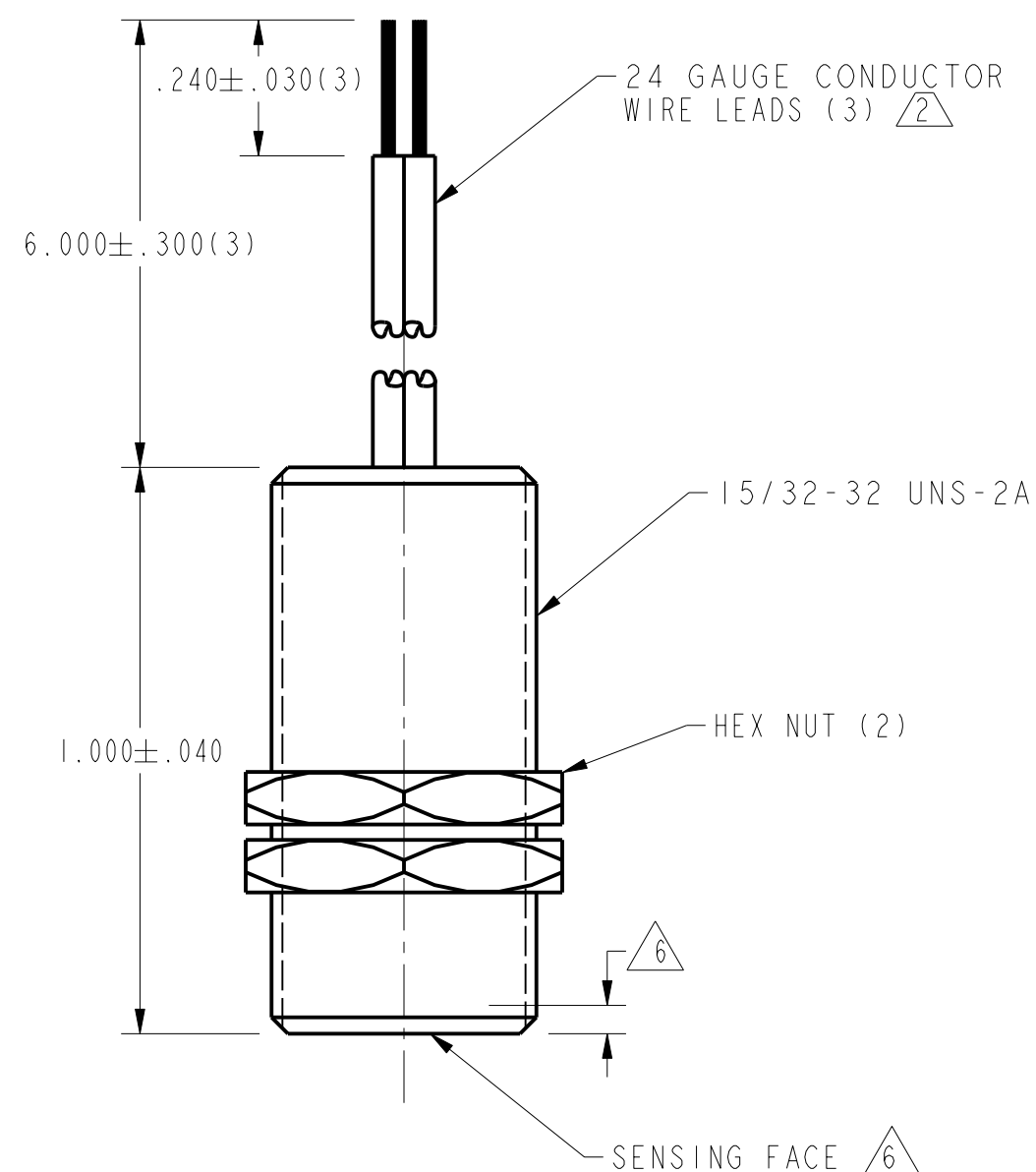
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MICRO SWITCH
a Honeywell Division

MAGNETICALLY
OPERATED CYLINDRICAL
HALL SWITCH

CATALOG LISTING
103SR13A-1

THIRD ANGLE PROJECTION			
SCALE 3" = 1"			
DO NOT SCALE PRINT			
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE			
ONE PLACE	(.0)	±.030	
TWO PLACES	(.00)	±.015	
THREE PLACES	(.000)	±.005	
ANGLES		±	
WEIGHT			



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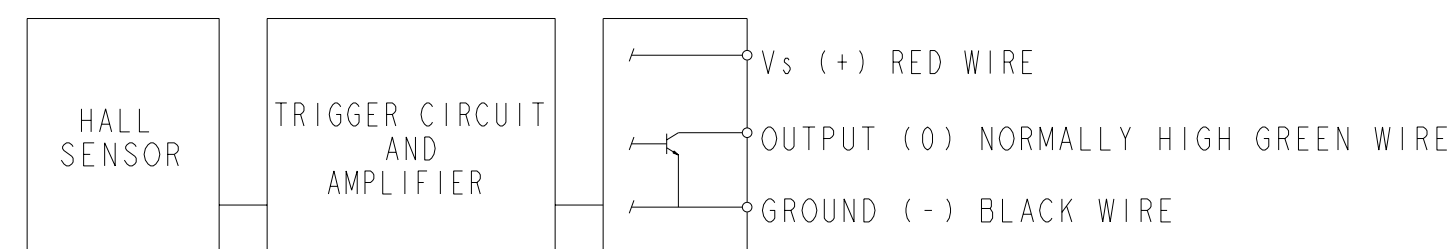
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MAGNETICALLY
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HALL SWITCH

CATALOG LISTING
103SR13A-1

103SR13A-1
 DRAWING NUMBER
 ISSUE 12
 REVISIONS
 A CO95082A TSM 27 JUL 99
 B 201747 JLF DECOO
 CHECK 27 JUL 99
 DRAWN 27 JUL 99
 CHECK JAF
 P.T.C./CAD 20
 TSM 27 JUL 99
 CHECK JAF
 RELEASE NO. PR-4252
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 REPLACES

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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