

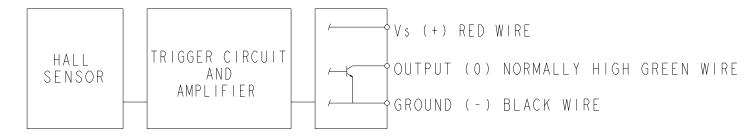
## ABSOLUTE MAXIMUM RATINGS

ABOOLOTE MAAA MOO				
SUPPLY VOLTAGE (Vs)/8	-1.0 VDC TO +25.0 VDC			
VOLTAGE EXTERNALLY	+25 VOLTS DC MAX WITH SWITCH IN "OFF" CONDITION ONLY			
APPLIED TO OUTPUT	-0.5 VOLTS MAX WITH SWITCH IN "OFF" OR			
	"ON" CONDITION			
OUTPUT CURRENT	40 mA (SINK PER OUTPUT)			
TEMPERATURE	-40°C TO 100°C			
OPERATE AND STORAGE	40 0 10 100 0			
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY			
	MAGNETIC OVERDRIVE			

## ELECTRICAL CHARACTERISTICS

^	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT /7			10.0 mA	ON CONDITION
OUTPUT VOLTAGE			0.4 V	SINKING 20 mA PER OUTPUT
(OPERATED)				
OUTPUT LEAKAGE			20m A	LEAKAGE INTO SWITCH OUTPUT
CURRENT (RELEASED)				
OUTPUT SWITCHING TIME				
(SINKING 20 mA)				
RISE TIME 4			I.5u SEC	10% TO 90%
FALL TIME			0.54 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

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
LEADWIRES (INDIVIDUAL WIRES) ARE 24 GAGE STRANDED WITH IRRADIATED POLYETHYLENE INSULATION

DATE CODE LOCATED IN THIS AREA
FROM -40°C TO 100°C AND 4.5 TO 24 VOLTS
CATALOG LISTING LOCATED IN THIS AREA
SENSITIVE AREA IS LOCATED .050 BEHIND THE SENSING FACE
AT 24°±2°C

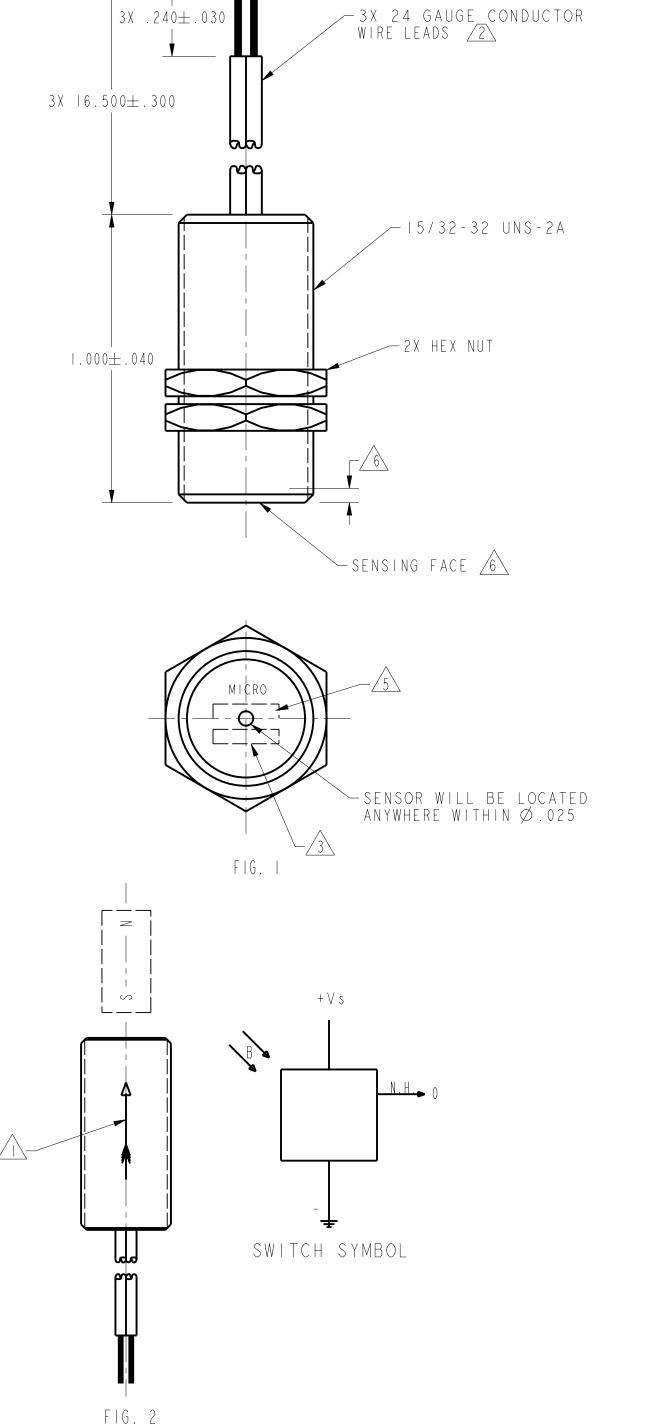
Vs IS THE UNREGULATED SUPPLY VOLTAGE



PROPRIETARY ITEM AND IS THE PROPERTY OF MIC IG IS NOT TO BE COPIED OR USED WITHOUT THE A	
MAGNETICALLY	CATALOG LISTING

WEIGHT

THIRD ANGLE PROJECTION					
$\oplus$		_			
SCALE 3 :					
DO NOT SCALE PRINT					
UNLESS OTHERWISE SPECIFIED TOLFRANCES ARE					
IOLER	ANCES AR	Ł			
ONE PLACE	( . 0 )	± .030			
TWO PLACES	(.00)	±.015			
THREE PLACES	(.000)	± .005			
ANGLES		±			



1035R13A-3

DR AW I NG NUMBER

7

A 201747 LJK 20NOV00

ANSI YI4.5M-1982 APPLIES

MICRO SWITCH a Honeywell Division FED. MFG. CODE 91929

MAGNETICALLY OPERATED CYLINDRICAL HALL SWITCH

103**S**R13A-3