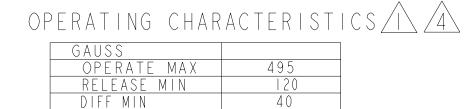
THIRD ANGLE PROJECTION

ANGLES

WEIGHT



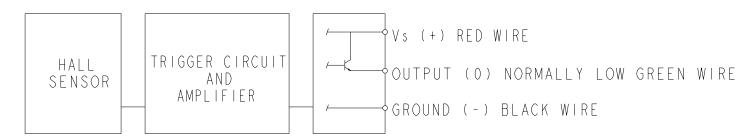
## ABSOLUTE MAXIMUM RATINGS

ABOULOTE MAATMON WATTHOU				
SUPPLY VOLTAGE (Vs)	-1.2 VDC TO +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
		3 mA	6.5 mA	V s = 6 V
SUPPLY CURRENT 4		5 mA	10.0 mA	$Vs=16V$ OFF CONDITION $\angle 7$
OUTPUT VOLTAGE	Vs-2	Vs -1.5		SOURCING <u>2</u> 0 mA PER OUTPUT
(OPERATED)	VOLTS	VOLTS		<u> </u>
OUTPUT LEAKAGE			20 д А	LEAKAGE INTO SWITCH OUTPUT
CURRENT (RELEASED)				
OUTPUT SWITCHING TIME				
(SOURCING 20 mA)				
RISE TIME 4		0.24 SEC	1.54 SEC	10% TO 90%
FALL TIME		O.IA 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 SOURCING 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 6 TO 24 VOLTS

CATALOG LISTING LOCATED IN THIS AREA SENSITIVE AREA IS LOCATED .050 BEHIND THE SENSING FACE VS IS THE UNREGULATED SUPPLY VOLTAGE

DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF ONE PLACE (.0) ± .030 HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH. TWO PLACES (.00) ±.015 CATALOG LISTING **MAGNETICALLY** MICRO SWITCH THREE PLACES (.000) ± .005

. 240±.030(3	24 GAUGE CONDUCTOR WIRE LEADS (3) 2
  12.000±.300(3) 	
1.000±.040	HEX NUT (2)  SENSING FACE 6
	SENSOR WILL BE LOCATED ANYWHERE WITHIN .025 Ø
FIG. 2 OPERATE	+Vs

103SR12A-4

DRAW I NG NUMBER

10 I SSUE

a Honeywell Division

OPERATED CYLINDRICAL HALL SWITCH

103**S**R12A-4

FED. MFG. CODE 91929