

OPERATING CHARACTERISTICS 4

GAUSS
OPERATE MAX 430
RELEASE MIN 160
DIFF MIN 40

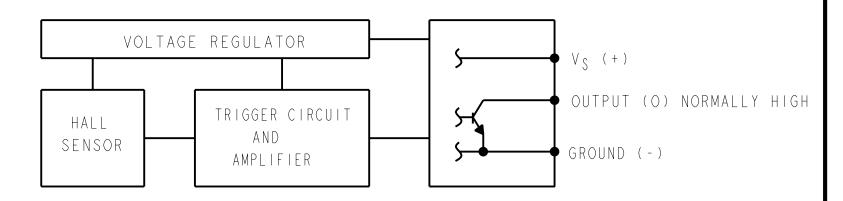
413**S**R10

ABSOLUTE MAXIMUM RATINGS

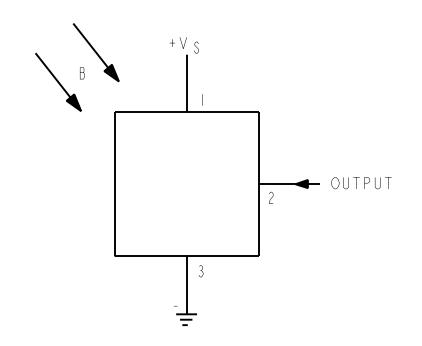
SUPPLY VOLTAGE (VS) 6	-28 VDC TO +28 VDC
VOLTAGE EXTERNALLY	+28 VOLTS DC MAX WITH SWITCH IN "OFF" CONDITION ONLY
APPLIED TO OUTPUT	-0.5 VOLTS DC MIN WITH SWITCH IN "OFF" OR "ON" CONDITION
OUTPUT CURRENT	40 mA
TEMPERATURE	
OPERATE AND STORAGE	-40°C TO 150°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT		II mA	15.50 mA	PLUS LOAD CURRENT V _S = 4.5 TO 24 VDC <u>6</u> 10
OUTPUT VOLTAGE (OPERATED)		.15 VOLTS	0.4 VOLTS	SINKING IOmA
OUTPUT LEAKAGE CURRENT (RELEASED)			20µ A	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME				
(SINKING 20 mA)		0.2µ SEC	1.5u SEC	10 - 90%
RISE TIME 4		I.Ou SEC	0.5µ SEC	90 - 10%
FALL TIME				



BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUTS



SWITCH SYMBOL

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a Honeywell Division

S FED. MFG. CODE 91929

MAGNETICALLY
OPERATED
HALL SWITCH

4135R10

SCALE 3: I

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED

TOLERANCES ARE

ONE PLACE (.0) ± .030

TWO PLACES (.00) ± .015

THREE PLACES (.000) ± .005

ANGLES ±

THIRD ANGLE PROJECTION

SENSITIVE AREA IS LOCATED WITHIN .025 OF THIS POINT AND .065 BEHIND THIS POINT

6 VS IS THE UNREGULATED SUPPLY VOLTAGE

5 SENSITIVE AREA MARKED BY CROSSED LINES

/8\ MICRO SWITCH LOGO LOCATED IN THIS AREA

TERMINAL ACCEPTS . 110 X . 020 FASTON CONNECTOR

 \triangle AT 24°C \pm 2°C

413SR10

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DR AW I NG NUMBER