

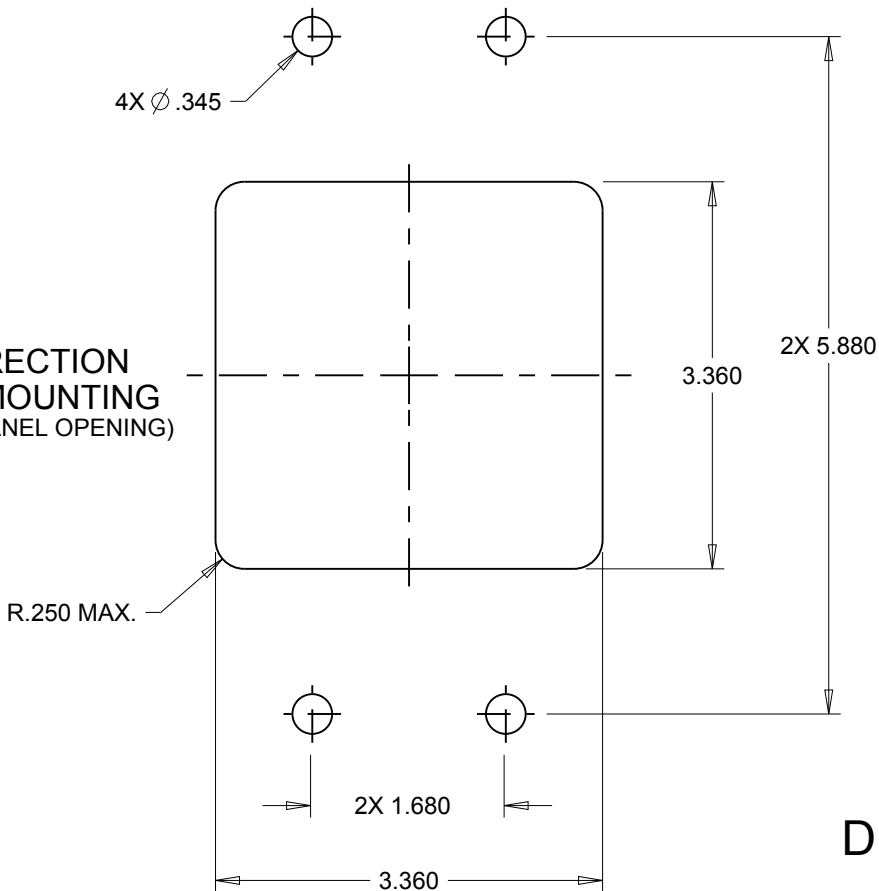
SWITCH CHARACTERISTICS				
ELECTRICAL:	UNITS	MIN	TYP	MAX
ANALOG OUTPUT VOLTAGE TOLERANCE AT CENTER. (SEE APPROPRIATE GRAPH FOR OUTPUT VALUE.)	VDC @ 5Vcc	-0.15		+0.15
ANALOG OUTPUT VOLTAGE TOLERANCE AT FULL TRAVEL. (SEE APPROPRIATE GRAPH FOR OUTPUT VALUES.)	VDC @ 5Vcc	-0.15		+0.15
LIMIT SWITCH SUPPLY VOLTAGE (IF APPLICABLE)	VOLTS	5		30
LIMIT SWITCH ACTUATION (IF APPLICABLE)	DEGREES	1	2	3
ANALOG OUTPUT PRETRAVEL 	DEGREES	1.0	2.0	3.0
ANALOG OUTPUT OVERTRAVEL 	DEGREES	1.0	2.0	3.0
MECHANICAL:				
MECHANICAL LIFE	9,000,000 CYCLES			
OPERATING FORCE -40 - +85°C AT LOAD REFERENCE POINT AT 6.5° OF TRAVEL	LBS	12	14	16
ENVIRONMENTAL:				
OPERATING TEMP.	°C	-40	20	85
HUMIDITY	96% RH, 70°C, 96 HRS.			
DROP	1 FT. MAX. TO CONCRETE			
VIBRATION	10g, 10Hz - 2KHz SWEPT SINUSOIDAL			
ELECTRONICS SEAL INTEGRITY	IP68, CONTACT MANUFACTURER FOR TEST METHOD			
RFI WITHSTAND	30V/M, 14 KHz TO 1GHz			
EMC WITHSTAND	PER MIL-STD-461D/SAE J1113-22			
SAND DUST WITHSTAND	PER SAE J1455, PORTLAND CEMENT			
MATERIAL:				
FOOT PEDAL PLATE	ZINC AND HIGH CORROSION TRIVALENT CHROMATE			
HOUSING	PPE/PA			
CABLE	6/#22 AWG (19 STRANDS OF 34 AWG TSC) PVC/POLYURETHANE BLEND OUTER JACKET			
MOUNTING HARDWARE	NOT PROVIDED			

NOTES:

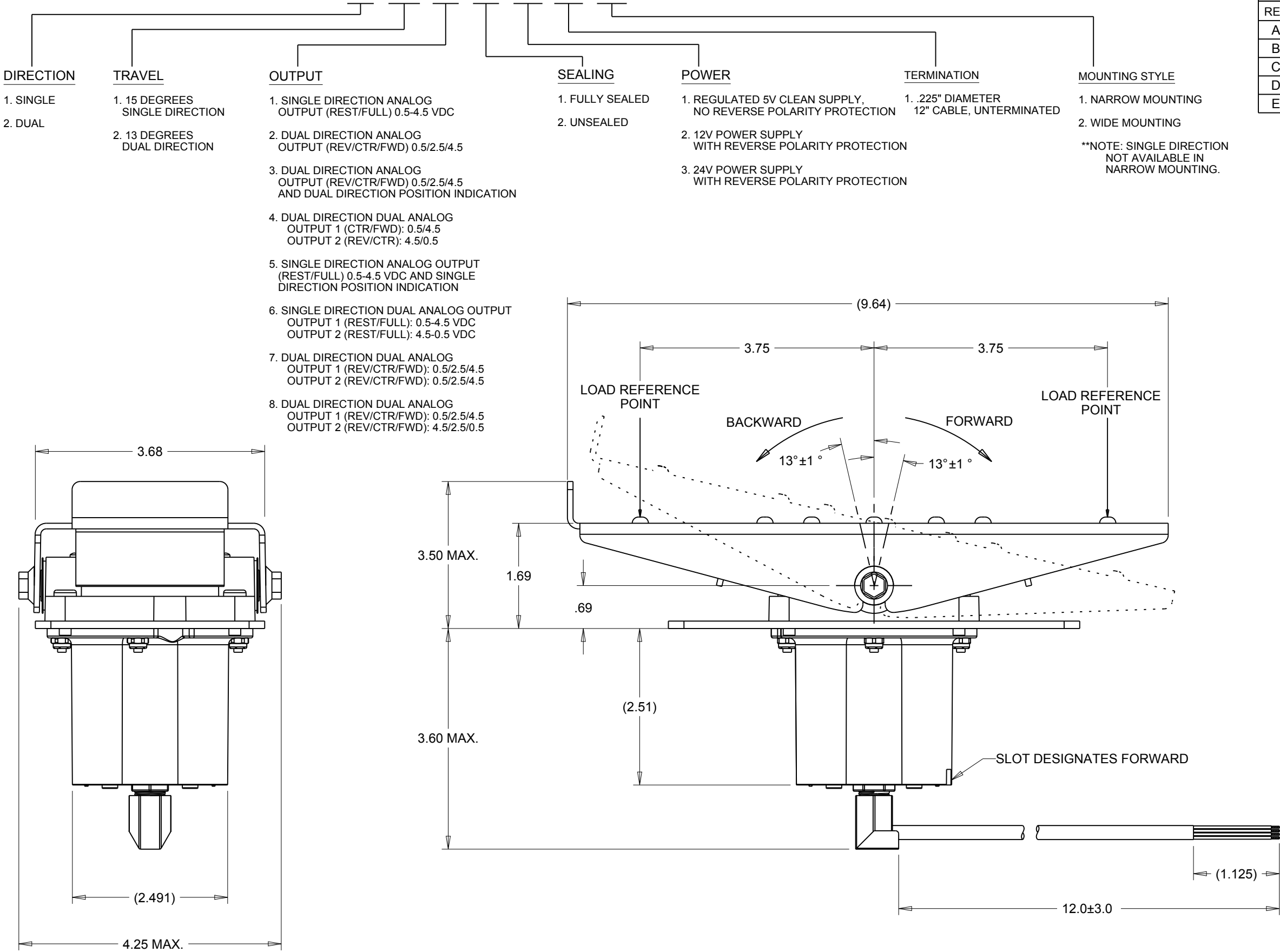
- ⚠1. LIMIT SWITCH OUTPUTS WILL SOURCE LIMIT SWITCH SUPPLY VOLTAGE WHEN ACTUATED.
2. SMALL IMPERFECTIONS, SCRATCHES ARE ALLOWABLE ON FOOTPEDAL AND MOUNTING PLATE.
- ⚠3. MARKING TO READ: OTTO PART NUMBER
OTTO 21649
DATE CODE (YYWW)
4. THIS PART/PRODUCT IS TO BE MANUFACTURED WITH THE APPLICABLE REGULATIONS OF EC DIRECTIVES 2002/95/EC AND 2002/96/EC, RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) AND WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE).

WIRE COLOR							
OUTPUT OPTION	ANALOG SUPPLY 1	LIMIT SWITCH SUPPLY	GROUND 1	ANALOG OUTPUT 1	ANALOG OUTPUT 2	FORWARD LIMIT	BACKWARD LIMIT
1	RED	NA	BLACK	YELLOW	NA	NA	NA
2	RED	NA	BLACK	YELLOW	NA	NA	NA
3	RED	VIOLET	BLACK	YELLOW	NA	BLUE	GREEN
4	RED	NA	BLACK	YELLOW	BLUE	NA	NA
5	RED	VIOLET	BLACK	YELLOW	NA	BLUE	NA
6	RED	NA	BLACK	YELLOW	BLUE	NA	NA
7	RED	NA	BLACK	YELLOW	BLUE	NA	NA
8	RED	NA	BLACK	YELLOW	BLUE	NA	NA

DUAL DIRECTION
NARROW MOUNTING
(SUGGESTED PANEL OPENING)



HJFC-

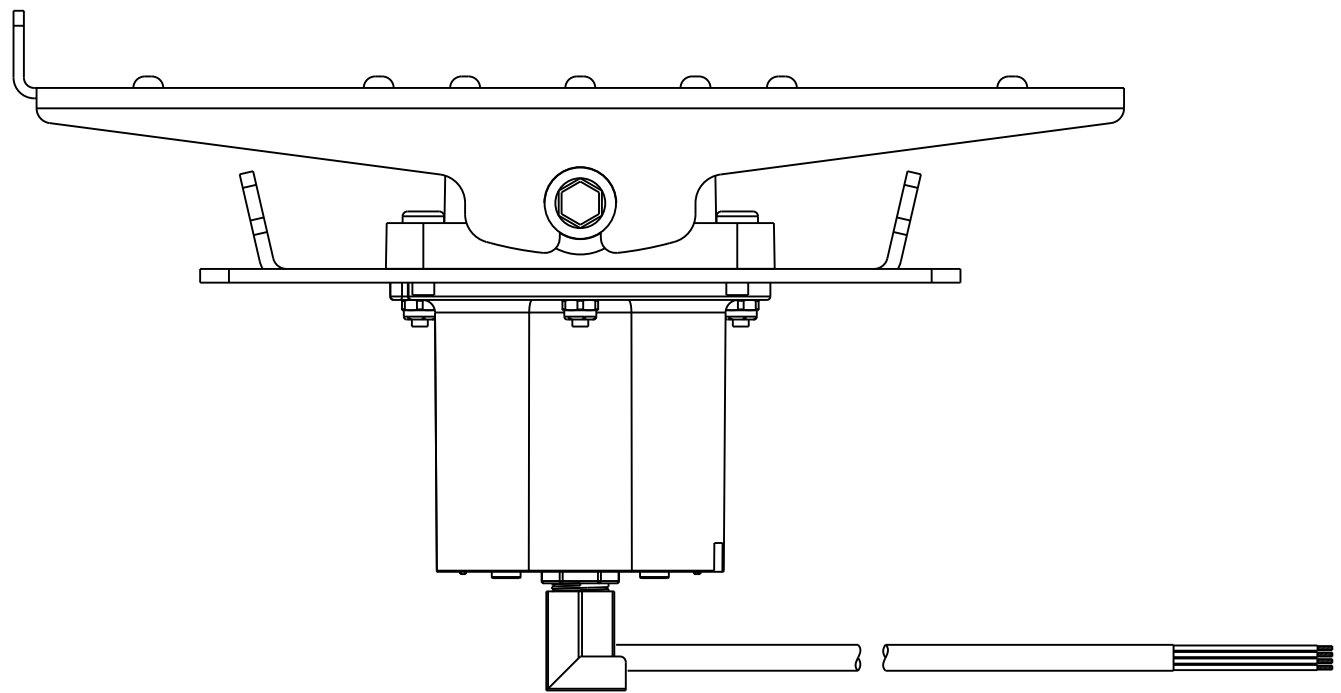
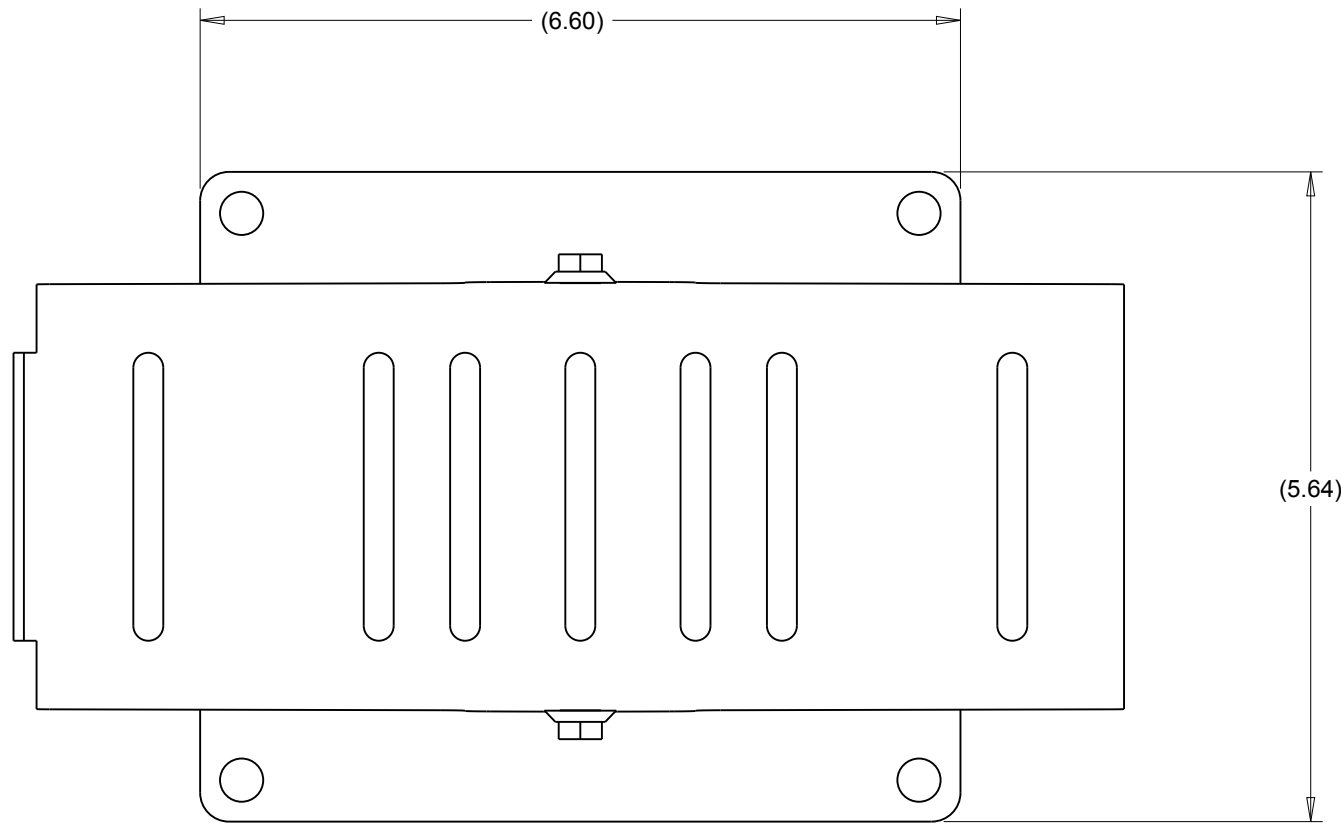


DUAL DIRECTION
(NARROW MOUNTING)

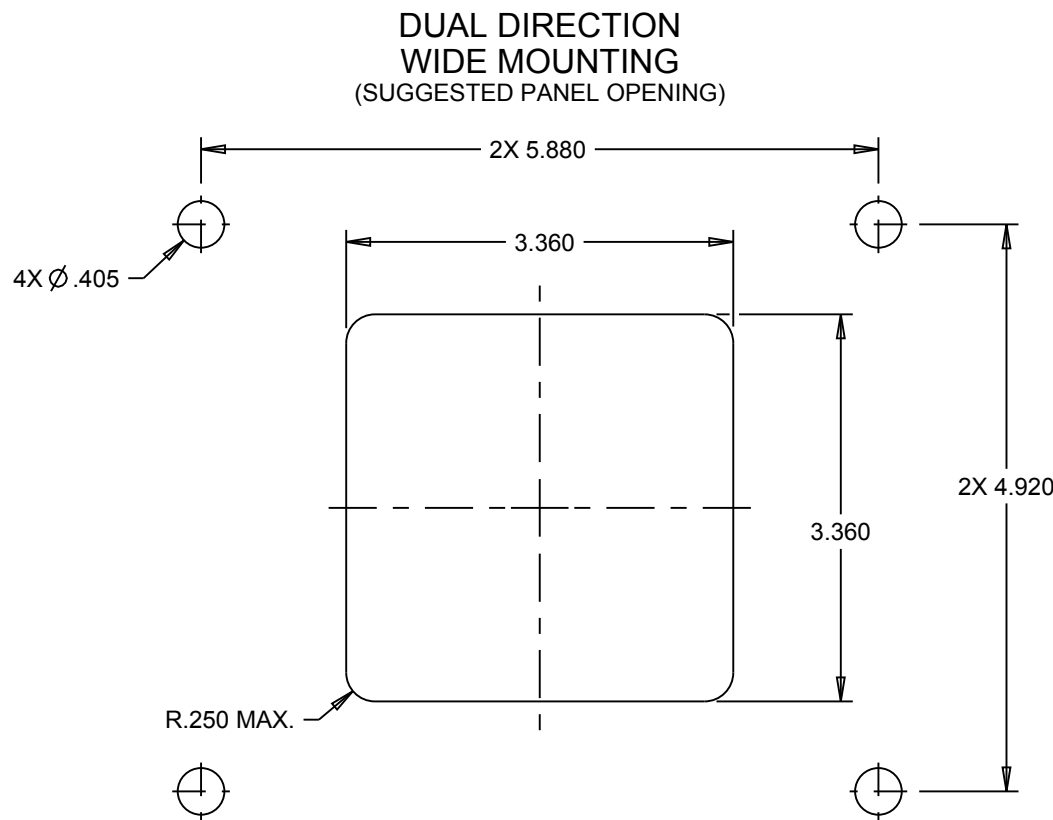
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: .XX ± .030 .XXX ± .010 ANGLES ± 2° DO NOT SCALE		OTTO CARPENTERSVILLE, ILLINOIS USA		DESCRIPTION HJFC, FOOT PEDAL			
MANUFACTURING SPC	DRWN. JLW	SIZE C	FSCM NO 21649	DRAWING NO. HJFC-_____	REV. E		
	CHKD. LBG	APPD. AH	WT.	THIRD ANGLE PROJECTION	Scale 1:1	Sheet 1 OF 4	

HJFC-_____

REV	OCN #	DATE	APR
A	035092	07 DEC 06	LBG
B	038531	02 AUG 07	LBG
C	045230	22 SEP 08	LBG
D	055834	03 JUN 10	LBG
E	056583	20 JUL 10	LBG



DUAL DIRECTION
(WIDE MOUNTING)



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE AS LISTED.
MUST BE FREE FROM BURRS
AND SHARP EDGES

TOLERANCES
XX ±.030
XXX ±.03 ±.010
XXX ±.015
ANGLES 12 ± 2°
DO NOT SCALE DRAWING

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DRWN. JLW
CHKD. LBG
APPD. AH

SIZE
C

FSCM NO
21649

DRAWING NO.
HJFC-_____

REV.
E

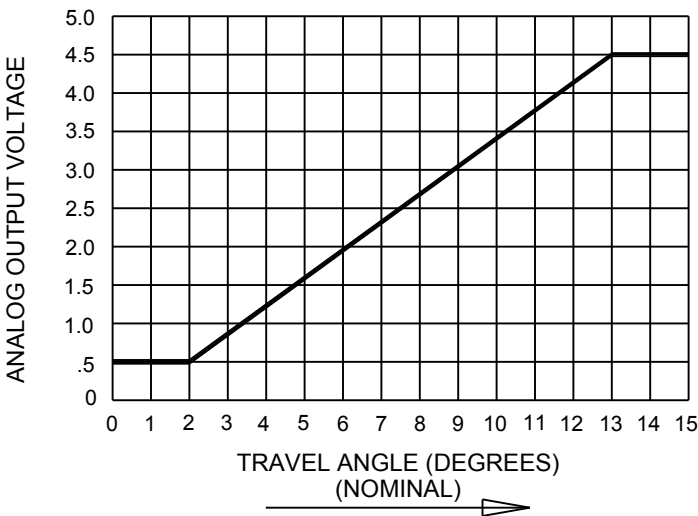
THIRD ANGLE
PROJECTION

Scale 0:1

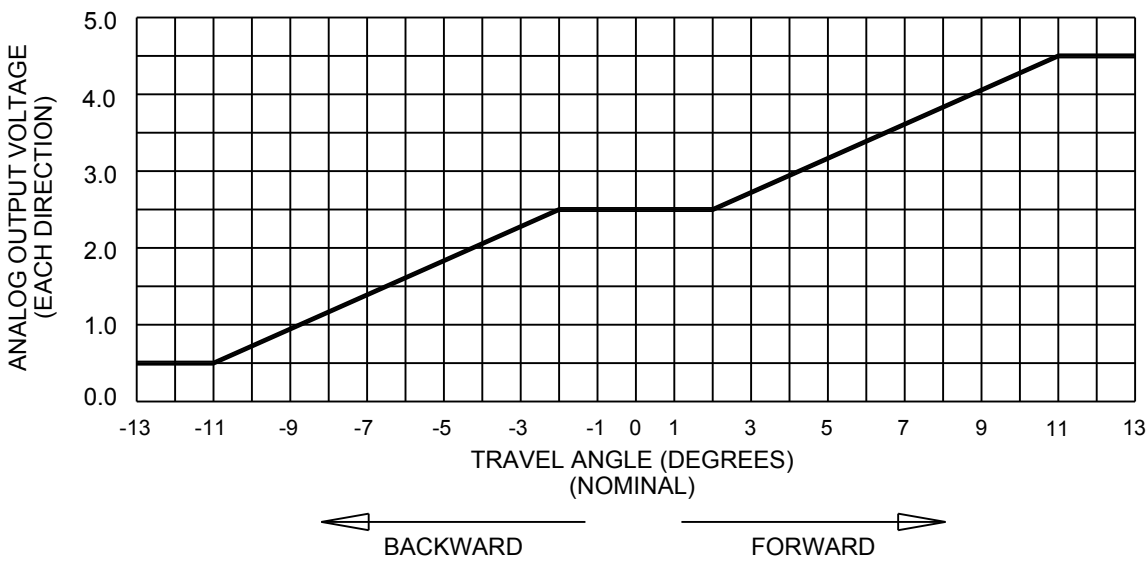
Sheet 2 OF 4

HJFC-_____			
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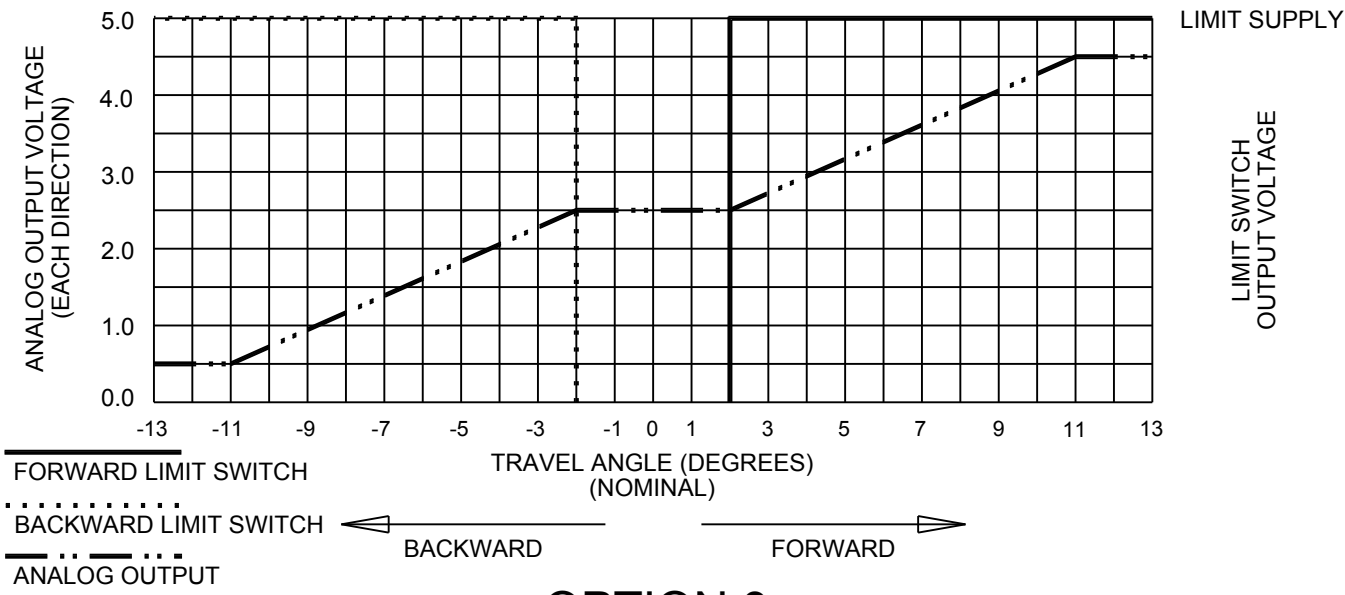
OUTPUT OPTIONS



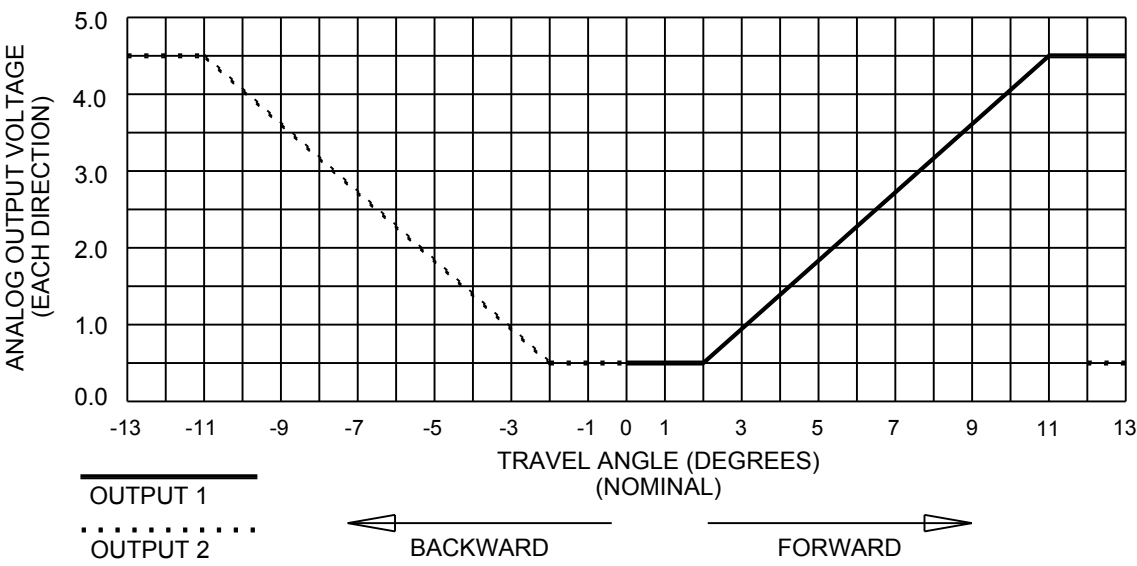
OPTION 1



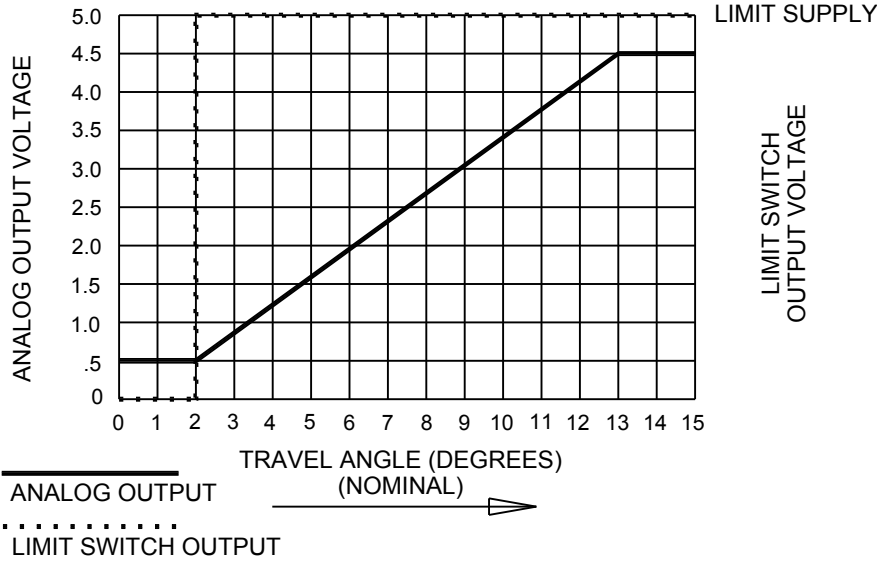
OPTION 2



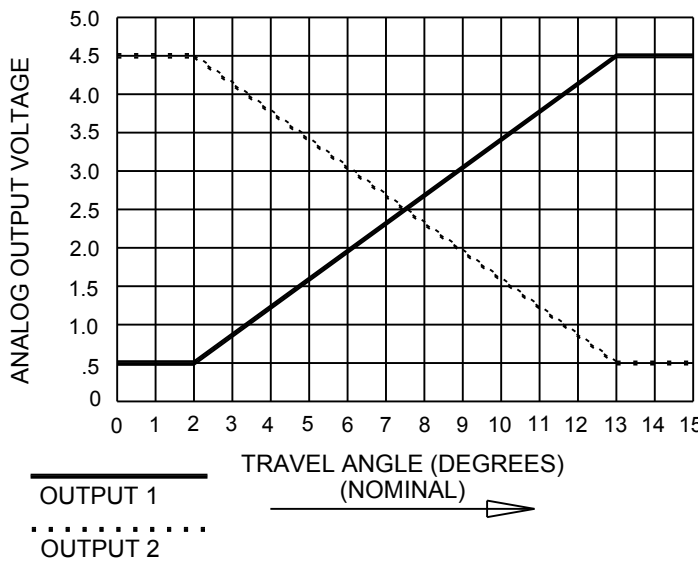
OPTION 3



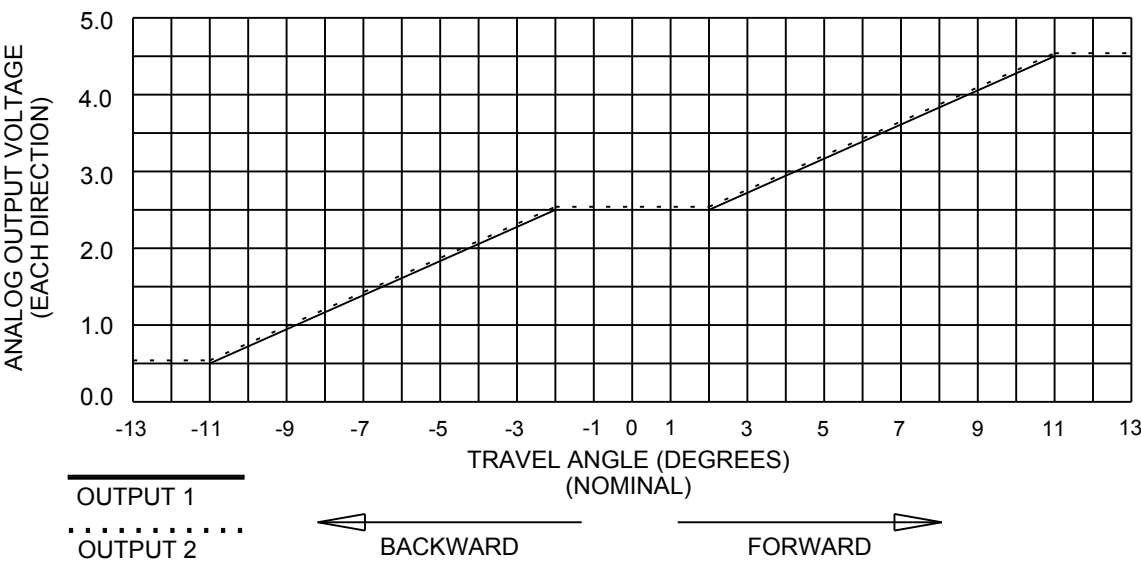
OPTION 4



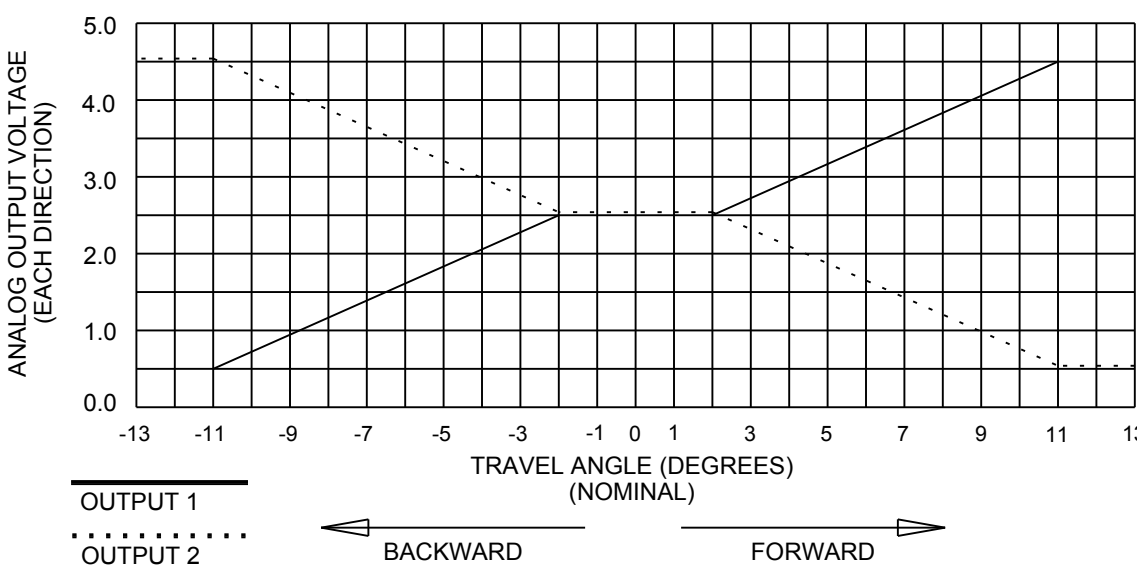
OPTION 5



OPTION 6



OPTION 7



OPTION 8

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE AS LISTED.
MUST BE FREE FROM BURRS
AND SHARP EDGES

TOLERANCES
XX ±.030
XXX ±.015
XXX ±.010
XXX ±.005
XXX ±.002
XXX ±.001

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WT.

SIZE
C

FSCM NO
21649

DRAWING NO.
HJFC-_____

REV.
E

Mouser Electronics

Authorized Distributor

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OTTO:

[HJFC-1151212](#) [HJFC-1151112](#) [HJFC-1111112](#)