

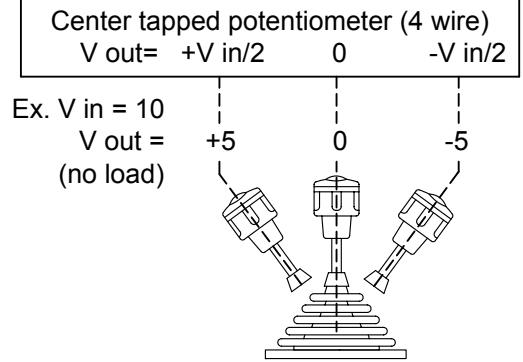
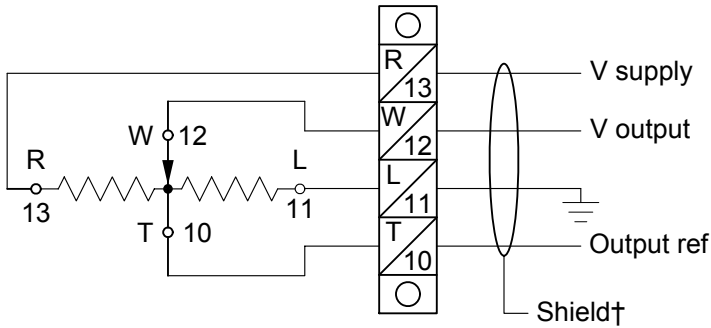
ENGINEERING CHANGES / REVISIONS

REV	DATE	BY	ECR	DESCRIPTION	APPR
04	08/08/14	KY	23.589	UPDATED INFORMATION & DRAWING BORDER	

JRMC WIRED

CUSTOMER WIRED

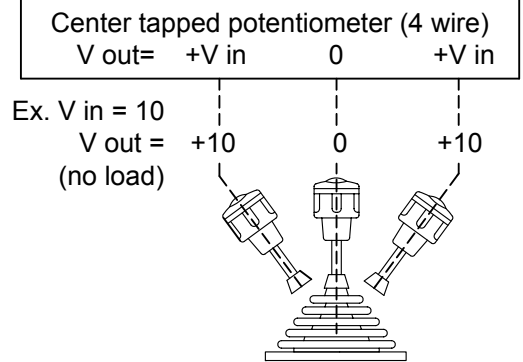
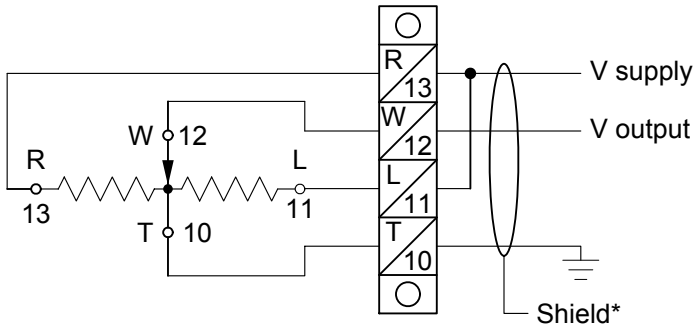
PLUS / MINUS CONTROL



†Shielded cable is recommended (4 Conductor, e.g. Belden 9418)

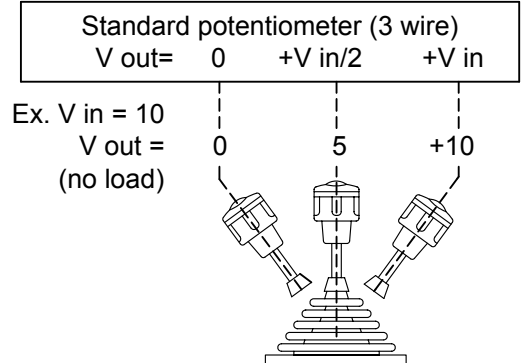
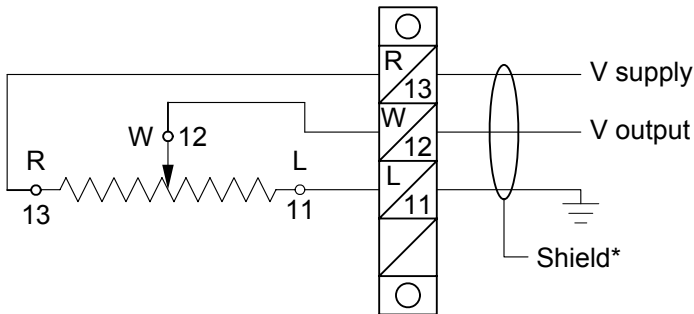
For $\pm 10V$ out apply 20V in

PLUS / PLUS CONTROL



*Shielded cable is recommended (3 Conductor, e.g. Belden 8618, 8770)

PLUS (THROTTLE) CONTROL



NOTE - FOR ALL SKETCHES:
 Depending on mounting and pot rotation, it may be necessary to change output polarity by swapping supply & ground connections

POTENTIOMETER	RATING	TYPE	WIPER CURRENT MIN / MAX	LIFE (CYCLES)	ELECTRICAL ANGLE
Clarostat (standard)	0.5 Watt	Conductive plastic	0mA / 10mA	2 Million	260°
BI tech 6143 (standard)	1 Watt	Conductive plastic	0mA / 1mA	10 Million	260°
PW55/PD550	3 Watt	Wire wound	25mA / 100mA	10 Million	250°
PEC	2 Watt	Carbon element	0mA / 60mA	1 Million	260°
PW70	5 Watt	Wire wound	25mA / 120mA	10 Million	240° (4w), 350° (3w)
DP60	50 Watt	Wire wound	25mA / 500mA	1 Million	270°



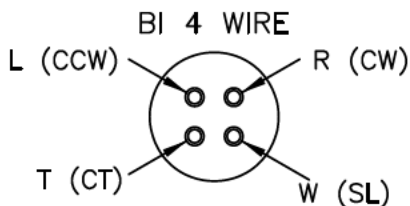
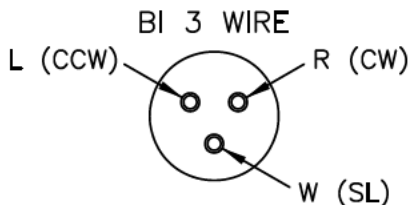
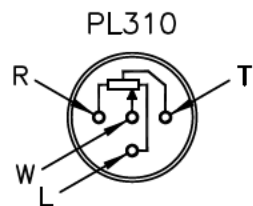
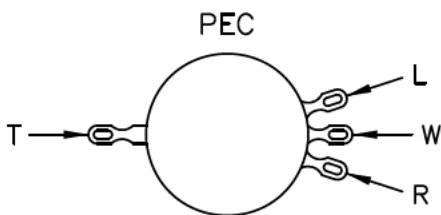
PUB. #	38.L3	CUSTOMER	J.R. MERRITT CONTROLS, INC.		
DRAWN	DW	DATE	12/19/97	QUOTE	JOB
CHECKED	GAR	DATE	08/22/14	DESCRIPTION	POT WIRING & SPECIFICATIONS
APPROVED		DATE		DRAWING	A45.101.3870
				SHEET	1 OF 1
				REV	04

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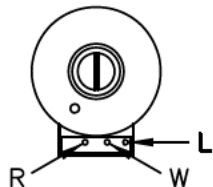
3870

ENGINEERING REVISIONS

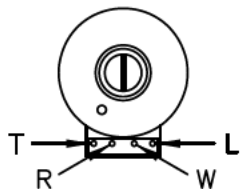
REV:	DESCRIPTION:	ECR NO:	BY:	DATE:	APR'D:
01	ADDED POT TYPE DESIGNATIONS	2783	KY	07/09/07	GAR
02	ADDED NOTES	3216	KY	06/12/08	DB
03	ADDED NOTE 3 & BI CW, CCW DESIGNATIONS	3975	KY	01/13/11	DB



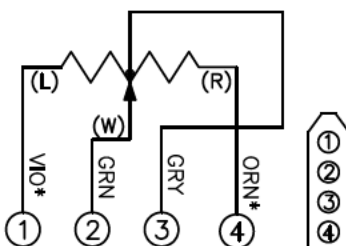
CLAROSTAT 3 WIRE



CLAROSTAT 4 WIRE



4 WIRE POT

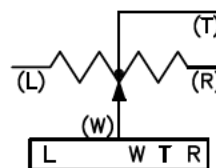


SEE NOTE 3

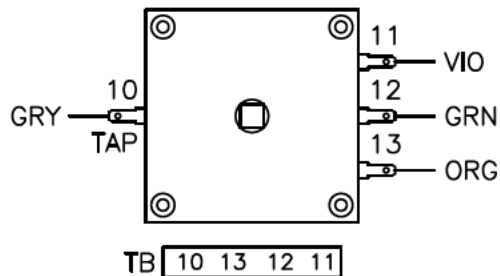
JOYSTICK CONNECTOR:	
CONNECTOR	CONTACTS
05.319	05.053

SUPPLY LOOSE	
CONNECTOR	CONTACTS
05.323	05.063

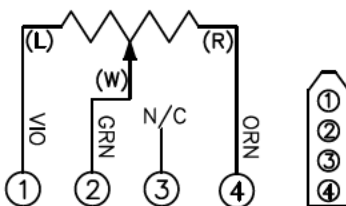
BOARD MOUNTED POTS



PD550



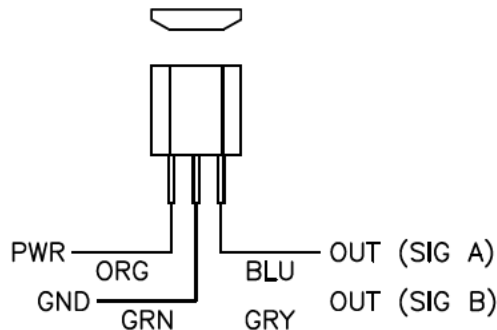
3 WIRE POT



JOYSTICK CONNECTOR:	
CONNECTOR	CONTACTS
05.319	05.053

SUPPLY LOOSE	
CONNECTOR	CONTACTS
05.323	05.063

HALL SENSOR



NOTES:

- ALL WIRES - 20 AWG, COLOR AS SPECIFIED.
- WIRES TO EXTEND 6" PAST BODY OF JOYSTICK.
- BI POTS # 04.484 & 04.500;
R (CW) IS VIO WIRE
L (CCW) IS ORN WIRE



55 SPERRY AVENUE STRATFORD, CT 06615

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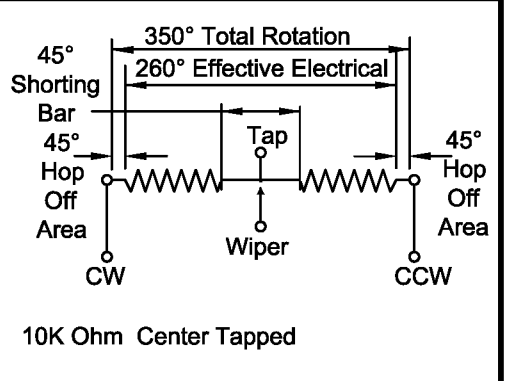
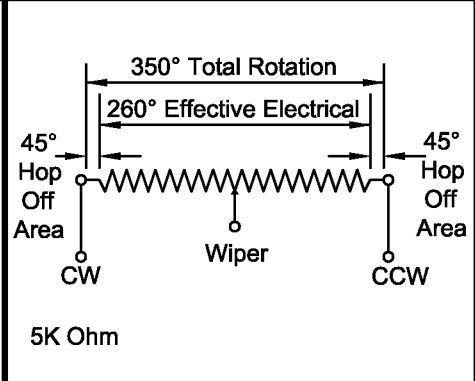
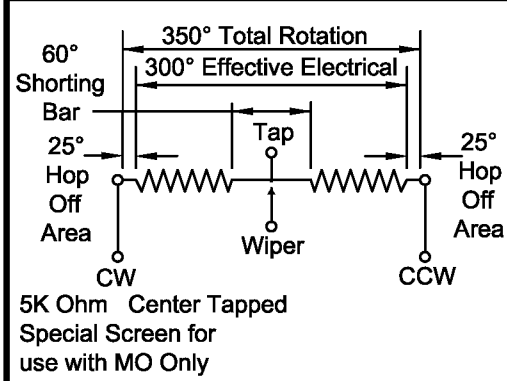
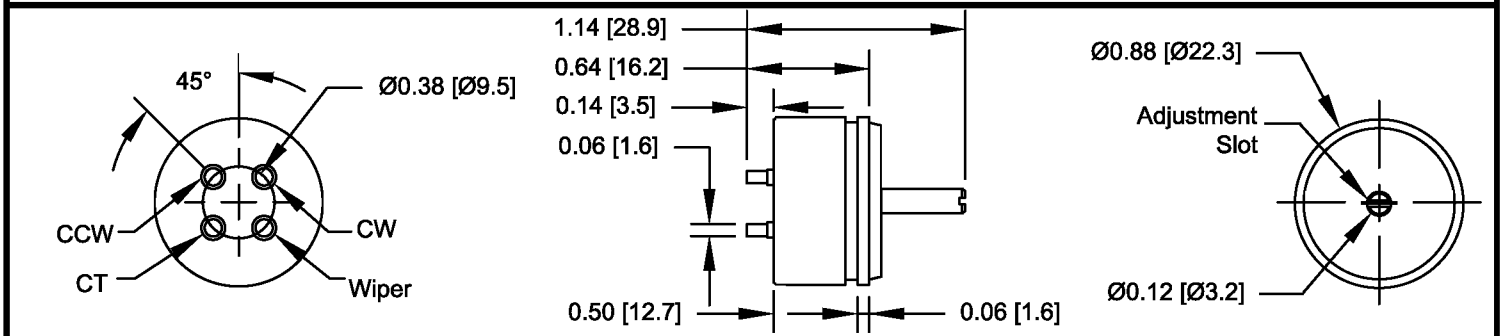
JOB NO:		CUSTOMER:		SCALE: N/A	SHEET: 1 OF 1
DRAWN: KY		J.R. MERRITT CONTROLS, INC.			
DATE: 08/11/05		POT WIRING STANDARD		REV: 03	SIZE: A
APPROVED: GAR		MODEL NO:			
DATE: 11/03/06		DWG NO:		A25.101.6397	
PUB NO: WEB DOC					

6397

STANDARD POTENTIOMETERS

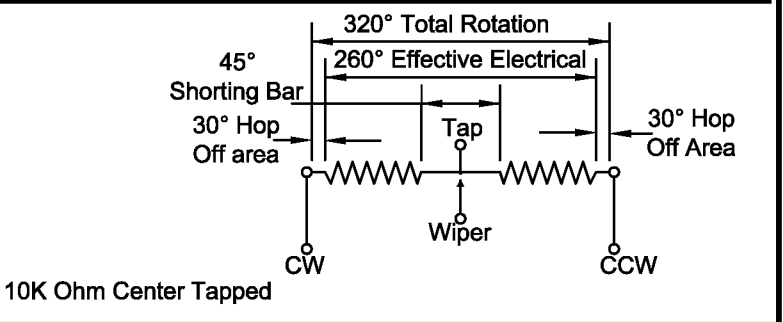
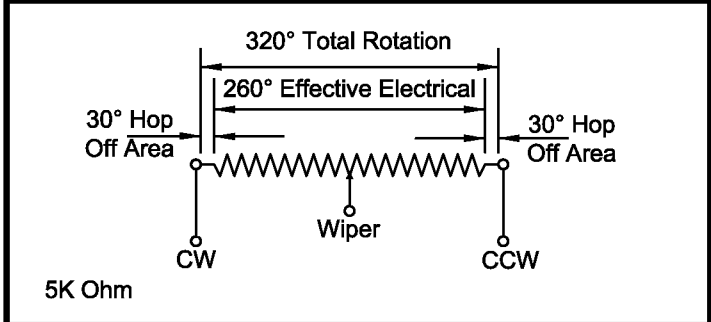
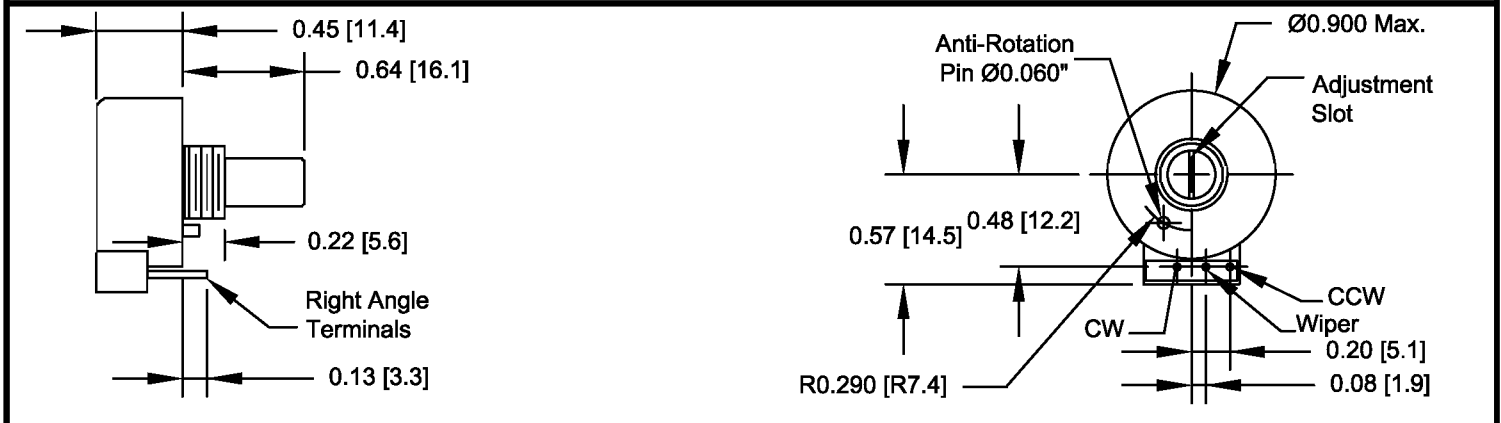
Type 6143 BI Conductive Plastic Potentiometer

10 Million + Revolutions Rotational Life



Type 578 Clarostat Conductive Plastic Potentiometer

2 Million + Revolutions Rotational Life



(consult factory for special requirements.)

J.R. MERRITT 
CONTROLS, INC.

Stratford, CT • 1-800-333-5762 • www.jrmerritt.com