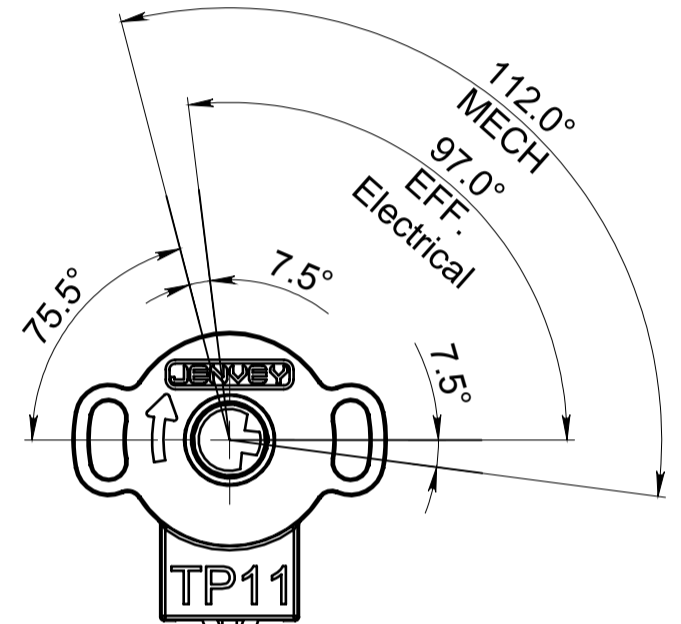


Mechanical Start Position



Mechanical End Position

Connector Pinout	Wire Colour
Pin 1 - Signal Out	Red
Pin 2 - +5 to 24V DC	White
Pin 3 - GND/0V	Black

(B)

Specs	
Construction	Conductive plastic track with multi fingered wipers, ensuring excellent contact under vibration
Standard resistance range	$5k\Omega \pm 20\%$
Hysteresis	$<0.3\%$
Angle of electrical rotation	$97^\circ \pm 3^\circ$
Total mechanical rotation	$112^\circ$ MAX
Supply Voltage	5-24V DC
Independent linearity	$\pm 1\%$
Temperature Range	$-25^\circ\text{C}$ to $+125^\circ\text{C}$ (Peak of $150^\circ\text{C}$ for 15mins)
Rotational life	$5 \times 10^6$ cycles
Environmental sealing	IP66
Cable type	1-core silicone wire, 20 AWG 256/0.05 copper conductor, O/D: 2.7mm, 3A 1.5kV

RECOMMENDED TORQUE SETTING OF 1.6Nm

Material  
See B.O.M.

Treatment  
None

Title, Supplementary title

VPS01-92 (6840-0001)

B	-	ECR3216 - Colour of wire added	20/09/18	JU
A	-	Initial issue	29/03/16	ZTS
Revision	Mod. No.	Description	Date	Name
General tolerance		Name	Date	Scale
$\pm 0.2\text{mm}$	$\pm 0.5^\circ$	Drawn	ZTS 29/03/2016	6 1:1
Checked		Eng. Appr.		Sheet
Mfg. Appr.		Mfg. Appr.		1 of 1
Q.A.		Q.A.		Document status
Do not scale drawing		Drawing number		Released

Drawing number

92965

Rev. B