

The suspended pedal consisted of a base unit (nylon 66, GF 30%) and a pre-fitted pedal lever (Carbon Steel + PFZn05-B, Polished).

Twin return springs are used to replicate the pedal forces and direction-dependent hysteresis and to provide added safety.

Pedal position feed back is provided by a contactless sensor connected to either an analog or PWM signal circuit, depending on the variant. The no-load state can be detected either by an optocoupler or mechanically via a microswitch.



※ Arm is adjustable as per customer's request.

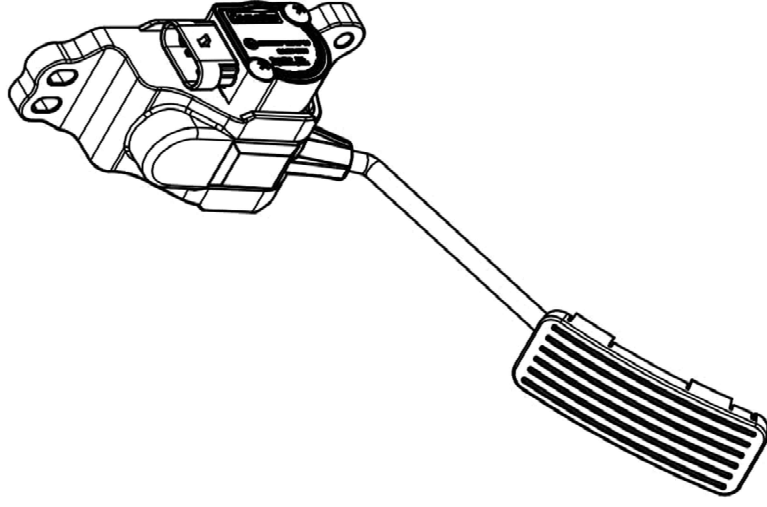
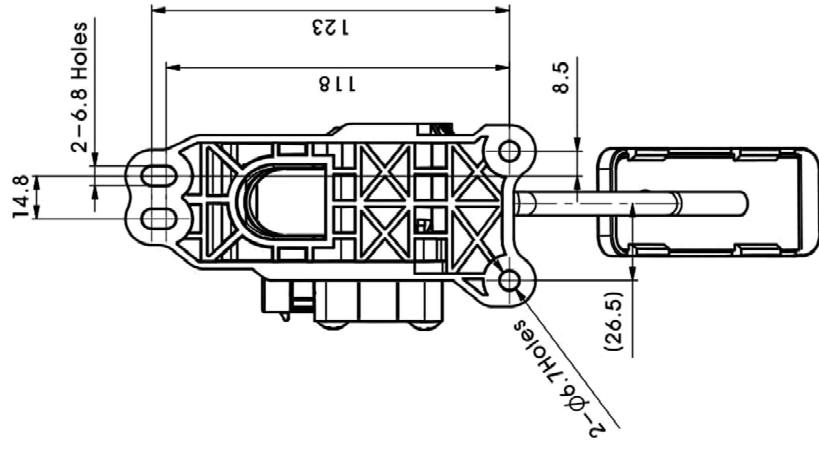
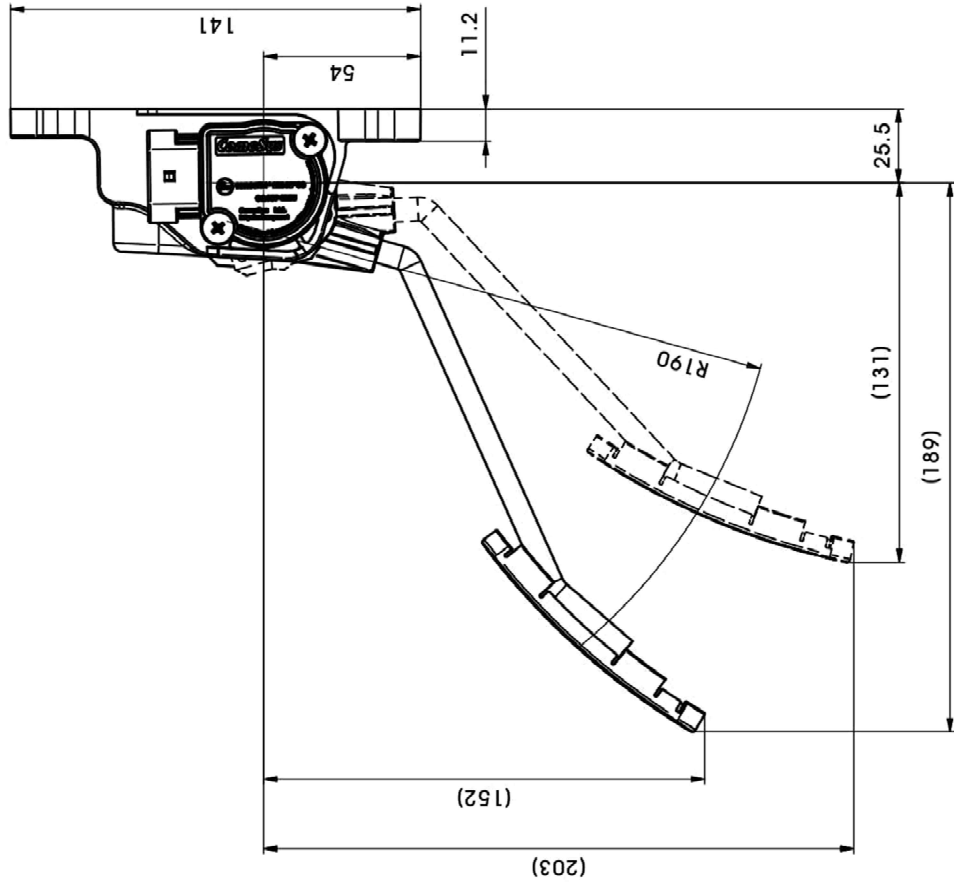
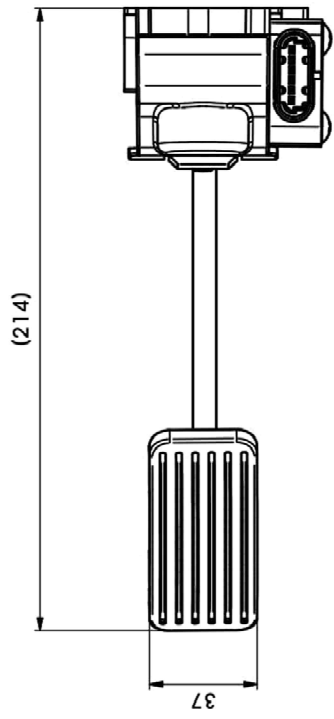
## SPECIFICATIONS

<b>PRODUCT LIFE</b>	FULL TRAVEL CYCLES	10 MILLION
<b>ELECTRONICS</b>	SEAL INTEGRITY EMI	IP67 SAE J1843 Compliant
<b>ELECTRICAL</b>	OPERATING VOLTAGE OUTPUT SIGNAL	5, 12, 24, 48 72Vdc as requested Single, Dual output, PWM, CAN Bus as per SAE J-1939
<b>PEDAL ANGLE</b>	DEGREES	20° Angular Rotation
<b>MECHANICAL</b>	OPERATING FORCE VIBRATION	Initial Load : 21.6N (MIN), Full Throttle : 35.3N (MAX) 8 Hour, 3-Axis, Random Broadband up to 9G
<b>ENVIRONMENTAL</b>	OPERATING TEMP RANGE STORAGE TEMP RANGE HUMIDITY SAND/DUST	-40°C to 85°C -40°C to 85°C After Exposed to -32°C ~ 70°C (96%) Tested to SAE-J 1455
<b>MATERIALS</b>	BASE PLATE PEDAL ARM BODY FOOT TREADLE TREADLE COVER	PA66+GF30%, ALUMINUM DIECASTING (ADC12) SS400 or SUS304 (Zinc Plating or Clear Passivate finish) TPE

Part No. -

REV	DESCRIPTION	DATE	DR	RE	AP
0	Issued	05.Mar.20	M.J.Kim	J.I.Kim	J.H.Lee

REVISION HISTORY



ComeSys		Control & Measurement Systems Limited		Electric Accelerator Pedal Assy (M157)	
General Engineering for Mechanical (S.E. 33112)		Privacy & Confidentiality		Application Model	
The information contained in this drawing is the property of ComeSys Ltd. Any reproduction or use of this drawing without the written permission of ComeSys Ltd is prohibited. <a href="http://comesys.net">http://comesys.net</a>		Do Not Scale		Third Angle Projection	
Dr	M.J.Kim	05.Mar.20	05.Mar.20	Weight	407 g
Re	J.I.Kim	05.Mar.20	05.Mar.20	Customer Part No.	-
Ap	J.H.Lee	05.Mar.20	05.Mar.20	Sheet 1 of 1	0