CURTISS-WRIGHT



WM-575

Hall-Effect Rocker Pedal

Key Features

- 14° ± 2° Angular Rotation, Fore & Aft
- FMVSS 124 and 302 compliant
- -40°C to + 85°C Operation
- + 5V Operation
- Electronics IP67 Sealed
- Dual Ratiometric APS Output
- Independent, Isolated APS Circuits
- Protected against Electrical Misconnection
- Metripak 150-series compatible connector
- Non-Contact Sensor
- Highly EMI Resistant
- Black Coated Steel Base and Treadle
- Chromate Conversion Module Components

The WM-575 Hall-Effect Rocker Pedal is built for the demanding off-highway environment. Its robust design is extremely durable and exhibits outstanding performance for open cab applications.

The design of the WM-575 allows programming of the sensor on the rocker pedal to achieve a highly accurate output. The sensor provides a ratio metric signal that is interpreted by the vehicle controller. The electronics are IP67 sealed and highly EMC resistant (SAE J1113).

The Hall Effect Pedal is floor mounted and designed for fore and aft movement. It has a rubber cover for foot traction and is made from a corrosion resistant coated metal. The product can be customized for side-to-side movement.

WM-575 Specifications

Product Life	Full Travel Cycles	5,000,000
Electronics	Seal Integrity EMI	Electronics IP67 sealed (IEC 60529) SAE J1113 Compliant
Electrical	Operating Voltage Output Signal	5V and 12V-24V Dual APS, Dual PWM, APS, PWM, APS/IVS
Pedal Angle	Degrees Operating Force	±14° nominal Neutral = 55N, Full Travel = 75N
Mechanical	Static Load Vibration	1500N 3 hour, 3-axis, random broadband up to 4g
Environmental	Operating Temp Range Storage Temp Range Humidity Sand/Dust	-40°C to 85°C -40°C to 125°C 95% RH for 120 hours, 27°C to 75°C Tested to SAE J1455
Materials	Foot Treadle & Base Plate Treadle Cover Body Castings	Corrosion Resistant Plated Steel NBR Rubber Die-cast Aluminum

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WM-575 Dimensions

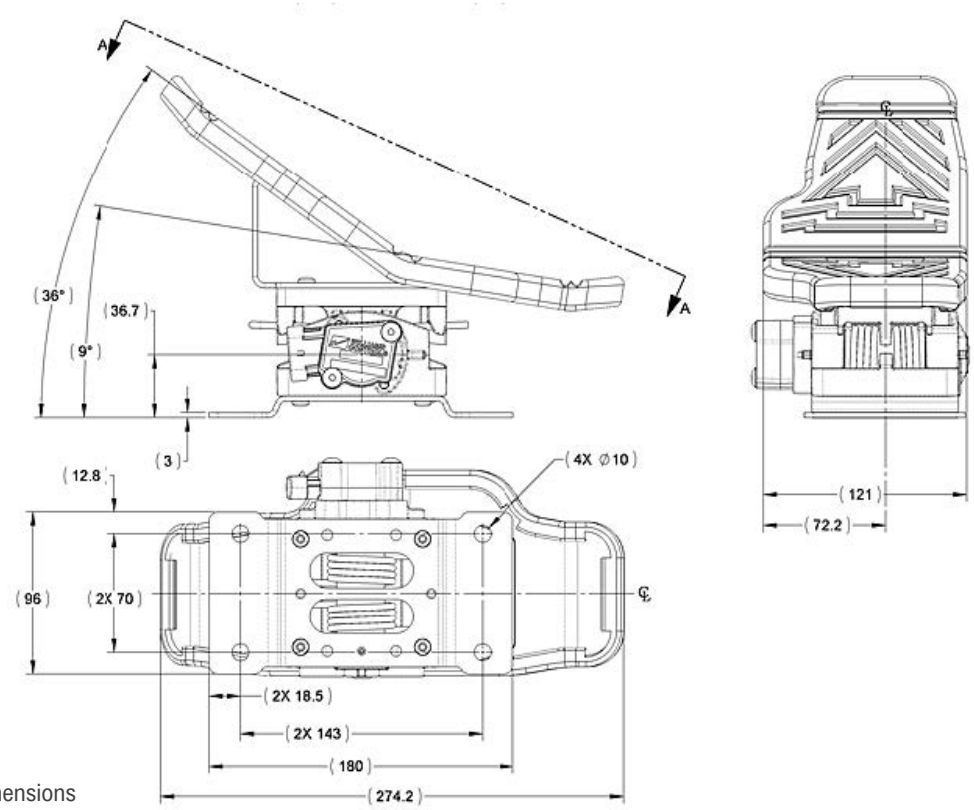


Figure 1: WM-575 Dimensions

Typical Output Characteristics

(Other outputs are avaliable)

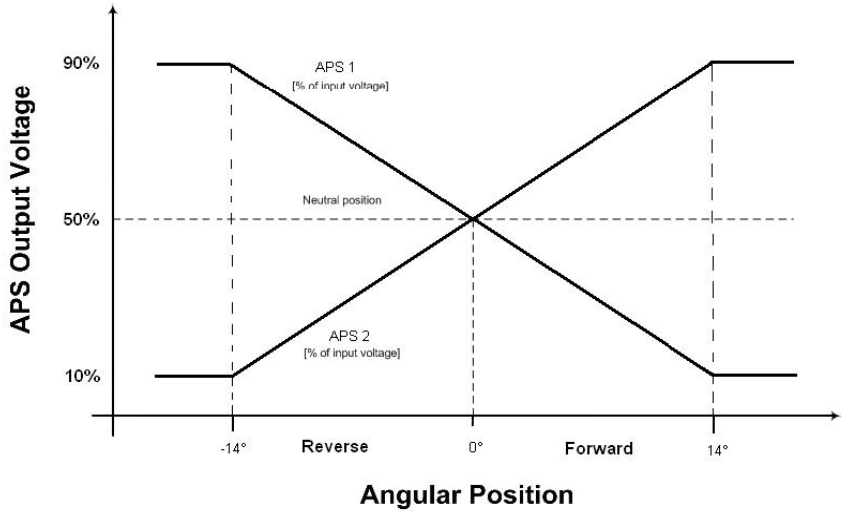


Figure 1: WM-575 Typical Output Characteristics

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