CURTISS-WRIGHT

Williams Controls

Electronic Floor Pedal – Narrow Profile

WM-532

The WM-532 Electronic Floor Pedal is designed for all commercial vehicle applications, where its narrow profile allows it to be mounted in limited floor space. Installation of the pedal is made easy by having the treadle assembly pivot away from the mounting plate to provide access to the attachment bolts. After installation, the treadle assembly can be snapped back into its normal operating position.

The WM-532 can be customized for treadle angles between 35 and 52 degrees and has a constant 17.5 degrees stroke. The sensor harness allows use of a variety of electronic connectors based on customer specifications.

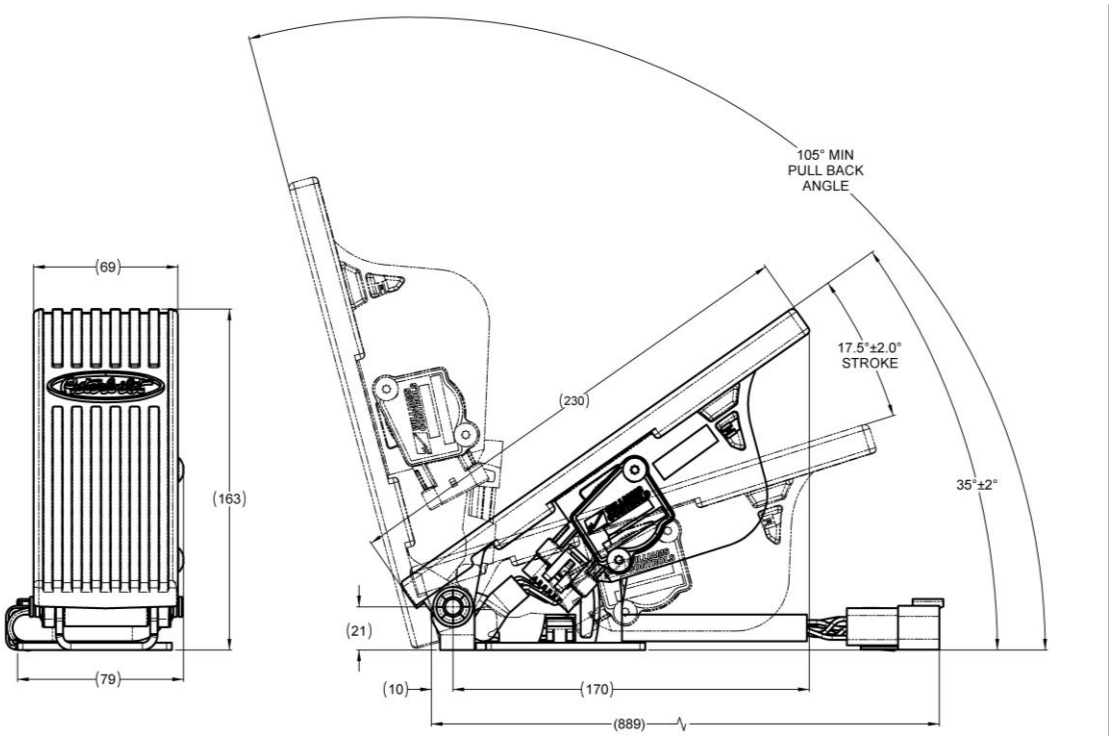
The unit is equipped with a Hall-effect, non-contact sensor that can be programmed for analog output and/or integrated switches. The electronics are IP67 sealed and highly EMI resistant (SAE J1113). In addition, the unit can be customized with contact or PWM sensors. The WM-532 provides a robust design with a corrosion resistant cast aluminum treadle and a coated steel base plate.

The base plate can be customized for different mounting configurations and the treadle can be supplied with a rubber cover for improved foot traction.

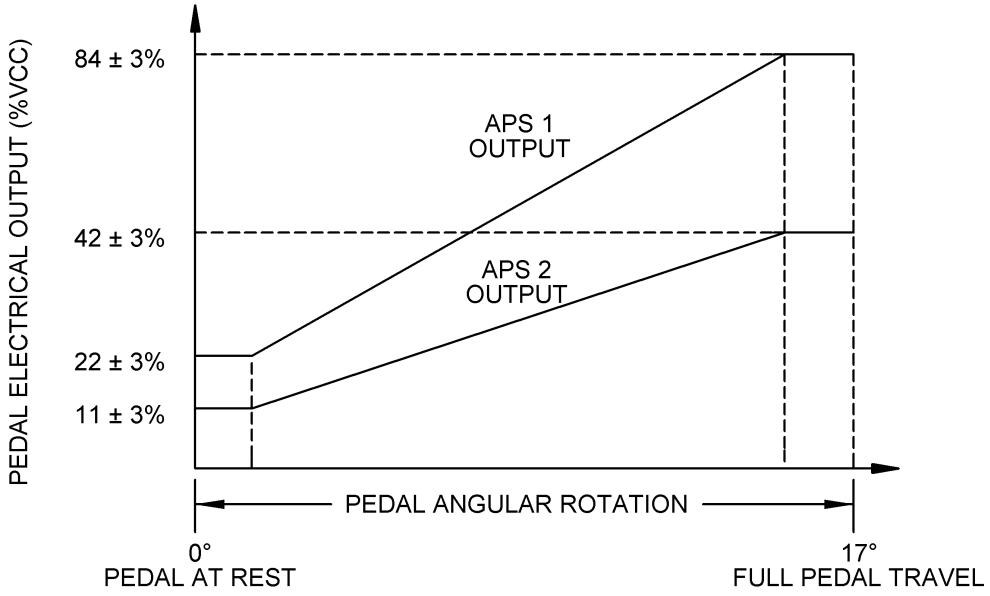
SPECIFICATIONS

PRODUCT LIFE	Full Travel Cycles	3,000,000
ELECTRONICS	Seal Integrity EMI	Electronics IP67 sealed (IEC 60529) SAE J1113 Compliant
ELECTRICAL	Output Signal	5V and 12V-24V Dual APS, Dual PWM, APS, PWM, APS/IVS
PEDAL ANGLE	Degrees	35° - 52°
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 85°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

MECHANICAL DIMENSIONS (mm)



TYPICAL OUTPUT CHARACTERISTICS (other outputs are available)



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