

Electronic Foot Pedal for Heavy-Duty Electronic Diesel Engines

The foot pedal delivers a precision signal that interacts with the engine's electronic fuel management systems. Polymer components create a lightweight pedal, as much as half the weight of current pedals in the marketplace. This fast-reacting pedal provides smooth driver operation, and features a durable, longer-life potentiometer. Quality testing ensures reliability and durability.



Specifications for Electronic Foot Pedal

Functional

Actuation Force applied perpendicular to the treadle surface and at a point 7.4 inches (188 mm) from centerline of the pivot axis.

Initial Movement > 2 lbs. (9 N)
Full Throttle < 11.5 lbs. (51 N)
Rotational Angle 16-20°

Weight

Weight of Pedal 1.9 lbs. (.86 Kg)

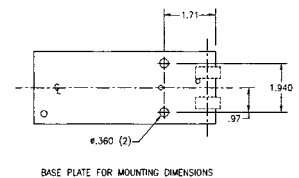
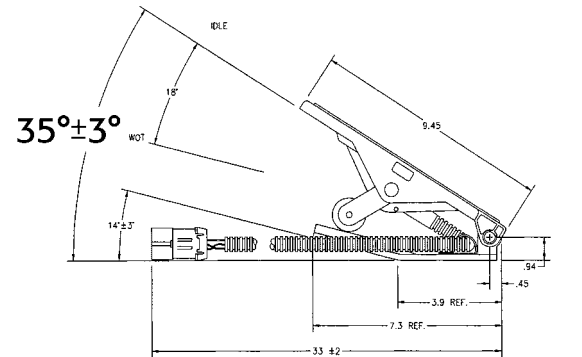
Durability

Full Stroke Cycles 10 Million
Dither Cycles ± 1
Degree, Mid Range 80 Million

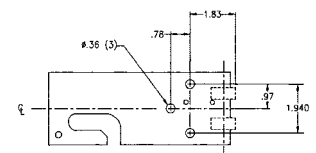
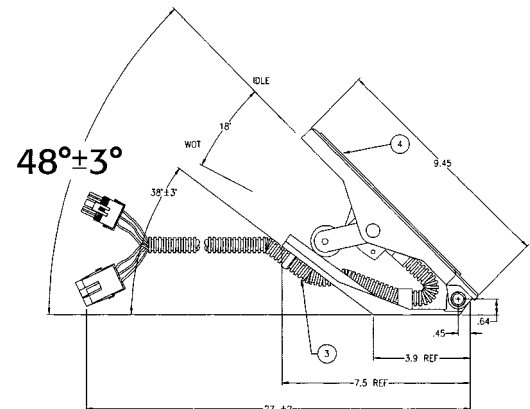
Electrical Specifications

Potentiometer 2.5 k $\pm 15\%$ Ohm's
Maximum Voltage 13.5 Vdc
Power Rating 0.15 W @ 85° C
Max continuous current 20 mA
*Minimum output 0.5% $\pm 0.5\%$ of ref. V.
*Maximum output 93% $\pm 2\%$ of ref. V.

*Minimum and Maximum outputs controlled by mechanical assembly of pedal.



BASE PLATE FOR MOUNTING DIMENSIONS



PARTIAL VIEW OF BOTTOM FOR MOUNTING DIMENSIONS

Electronic Pedal Product Numbers	Standard Models	*35° Pedal Angle	48° Pedal Angle
Caterpillar		EFP107-00	EFP102-00
Cummins		EFP108-00	EFP103-00
Detroit Diesel		EFP109-00	EFP104-00
Mack	VMAC	EFP110-00	EFP105-00
Navistar		EFP111-00	EFP106-00