VANGUARD™

THROTTLE CONTROLS

To provide OEMs with a complete battery solution, Vanguard™ now offers accessories designed to integrate seamlessly into our 48V electrification system.

ANALOG, LEVER-STYLE THROTTLE CONTROLS

> Provide intuitive, responsive speed control with simple plug-and-play installation.

HIGH-RESOLUTION ANALOG OUTPUT

> Enables precise micro-adjustments to ground speed, ensuring smooth crawl rates through confined spaces and reliable power on demanding terrain.



THROTTLE CONTROLS

TECHNICAL SPECIFICATIONS



MECHANICAL TRAVEL	62° total rotation
ELECTRICAL TRAVEL	56° total active travel
LEVER OPERATING FORCE	4 to 8 lbs force required to move lever (after 10 cycles)
TORQUE SPECIFICATION	Screw fasteners 25 ± 2 in-lbs
PACKAGING	Bulk shipped; individually protected via bubble bag
COMPLIANCE	RoHS compliant
SUPPLY VOLTAGE	5.0V DC power supply
OUTPUT PROFILE	0-5 Ratiometric output
DIRECTION OF TRAVEL	Counter-clockwise (CCW) rotation
HYSTERESIS	0°
LOW OUTPUT (POINT A)	0.50V ± 0.10V (at 5.5% span/-28°)
HIGH OUTPUT (POINT B)	4.50V ± 0.10V (at 94.5% span /+28°)
CLAMPING LEVELS	10% low / 90% high
WEIGHT (LB/KG)	0.50 lb (0,23kg)
DIMENSIONS (IN/MM), A X B X C	2.28 x 2.5 x 6.06 in 57,91 x 63,5 x 153,92 mm
OPERATING TEMPERATURE RANGE (°F/°C)	-40F to 257F (-40C to 125C)
IP CERTIFICATION	IP67

VANGUARD™

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