

Master Vehicle Light Switch (MVLS)

One button. Faster response. Lives saved.

The Master Vehicle Light Switch (MVLS) is a rugged, solid-state military vehicle light switch designed to replace outdated mechanical controls in tactical platforms. Built for extreme conditions, it delivers faster response, improved safety, and long-term reliability in mission-critical environments.

As a modern tactical vehicle lighting control system, MVLS eliminates the limitations of mechanical switches and provides operators with immediate, intuitive control when it matters most.

The Problem → The Upgrade

Traditional mechanical switches introduce risk in high-pressure situations. Multiple steps, poor night visibility, and wear-prone components slow response time and increase the chance of operator error. In environments where speed and clarity are critical, these limitations directly impact mission readiness.

MVLS replaces these systems with a fully electronic solid state light switch military solution. A single input delivers immediate output – simplifying operation while improving performance and reliability across the vehicle.

Key Benefits & Performance

- One-touch operation as a one touch lighting control system
- Backlit interface for clear visibility in low-light conditions
- Solid-state design – no moving parts to wear or fail
- Recessed keypad prevents accidental activation
- Designed for vibration, temperature extremes, and harsh environments
- Quiet operation – eliminates mechanical noise and detents

Operational Advantage

MVLS functions as a high-performance vehicle lighting control module, streamlining interaction between operator and system. Instead of cycling through modes, users select lighting states directly – reducing workload and improving response time.

Faster activation in critical situations
Reliable operation with gloves or under stress
Improved safety through clear, illuminated feedback
This is a mission critical lighting system designed for real-world combat and field conditions.

Technical Overview

Engineered as a military grade control interface, MVLS integrates solid-state logic with a durable keypad system to deliver consistent, immediate performance.

- Solid-state electronic design
- Variable intensity backlighting
- One-hand operation
- Recessed keypad for safety
- Meets MIL-STD-1275D (100V transient)
- Designed for extreme military environments

Compatibility & Applications

MVLS is a direct retrofit military light switch solution, replacing legacy rotary and lever-based controls with a modern electronic interface.

- Military tactical vehicles
- Armored transport systems
- Harsh environment vehicle platforms
- Any defense vehicle lighting control application requiring reliability

MVLS vs Mechanical Switches

Feature	Mechanical Switch	MVLS Electronic Switch
Night Use	Unsafe / unusable	Backlit, fully functional
Reliability	Wears out; affected by environment	Solid-state, long life
Operation	Complex, multi-step	One-touch control
Mode Selection	Must cycle through modes	Direct selection
Durability	Moving parts fail	No moving parts

Based on performance comparison data

Part Numbers

- Nartron: 1341017
- Military: 12484558

Mechanical switches introduce risk. MVLS delivers readiness.

MVLS Still Delivering

Mechanical switches wear out, slow operators down, and introduce unnecessary risk. MVLS delivers a proven electronic vehicle light switch replacement that improves safety, speed, and long-term durability.

Independent testing has shown MVLS meets or exceeds performance expectations where competing systems fail – reinforcing its position as a high reliability light switch military solution.

Connect With Our Team

Upgrade to MVLS and replace outdated controls with a proven rugged lighting control switch built for mission-critical performance.

When failure is not an option, MVLS is the upgrade.