NERO INDUSTRIES
Advanced Reliability

Uninterrupted Detection, Anywhere.

EMERGENCY SWITCH

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The Emergency Switch provides manual access to the vehicle's fire suppression system from the exterior. It enables activation of fire extinguishers installed in the crew compartment, tyre area, vehicle body, engine bay, and other system-protected compartments.The activation switch operates independently from the main controller and is directly connected to the battery, ensuring immediate functionality during emergency situations.

Technical Specifications

Specification	Details
Operation Type	Manual emergency activation (battery-direct)
Activation Capacity	Supports up to **3 suppression tubes** simultaneously
Warning Output	Integrated visual/electronic warning
MTBF	150,000 hours (high-reliability design)
Operating Voltage	16–32 VDC wide range
Operating Temperature	−40°C to +71°C
Ingress Protection Rating	IP67 (dustproof and waterproof)
Salt Fog Resistance	800-hour corrosion endurance
Compliance & Certifications	MIL-STD-810H, MIL-STD-461G, MIL-STD-1275E
Safety Standards	UL, CE, GOST-R
Dimensions (W × D × H)	77.8 × 77.8 × 75 mm (±5 mm)
Material	(Not provided — can be completed if needed)
Mounting Method	Ruggedized structure for exterior installation
Colour Options	RAL3000, RAL9010, RAL6019

Functional Capabilities

• Manual Override Activation

Allows the operator to manually discharge the connected extinguishing agents instantly, providing a vital safety mechanism for scenarios where the operator is outside the vehicle or automatic detection may be insufficient.• Multi-Zone

Suppression Triggering

Capable of activating extinguishers connected to crew compartments, engine bays, tyre areas, vehicle bodies, and any protected zone within the system architecture.

• Independent Redundant Operation

The switch is electrically isolated from the main controller and functions as a redundant emergency mechanism, ensuring compliance with high-reliability military and industrial standards.

• Integrated Warning Signal

A built-in warning indicator alerts the operator before or during activation, enhancing operational awareness and safety.

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