

100-4200 COMMANDoor Plus



COMMANDoor Plus is a complete power assist module that can simply and safely open and close the heaviest of armored vehicle doors with one intuitive motion and can be custom engineered to fit virtually any vehicle. The door fully integrates combat locks with a power-assist actuation and control system to open and close the door for those vehicles with very heavy doors. The inside control handle's unique two axis electromechanical design allows for simple and intuitive hand motions by the soldier to activate the open and close action of the door. Powered integration of the combat locks-automatically engaging them after door closure and automatically opening during the door opening, allows for the opening and closing of rear seat personnel doors remotely by the driver or commander from the front seat.



FEATURES/BENEFITS:

- Designed to withstand the rigors of battle and rugged off-road abuse the system easily operates heavy armored doors by a 5th percentile female soldier, but stands up to the adrenalin-driven strength of a 95th percentile male soldier.
- The centerpiece of the COMMANDoor functionality is the COMMAND Handle. By designing a system in which a single control handle's motion coincides with the desired direction of door travel, TriMark has provided the first true Intuitive Motion Control System for the war fighter's ingress and egress from heavily armored vehicles.
- Soldier can actuate combat locks and open and close powered doors and ramps with a single inside release from both the interior and exterior.
- Door Module contains linear door actuator, integrated control system, back-up power source, control sensors, safety strips and all mechanical hardware to articulate door or ramp to open and closed positions.
- Lower current demands reducing on-board electrical draw and battery requirements.

COMMANDoor Plus

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SAFETY:

- Integrated safety features assure users and first responders' safe and reliable use
- Releasing the *COMMAND* Handle at any time immediately stops door movement
- The system incorporates safety strips to stop door movement and relieve pinch points
- An emergency stop provision disables powered motion and allows for manual control
- An emergency latch release feature allows disengagement of the combat locks from the outside and permits opening *COMMAND*Door on a vehicle that is damaged or whose personnel have been disabled
- Interior locking mechanism provides additional safety for occupants plus an emergency latch release feature allows disengagement of the combat locks from the outside and permits opening *COMMAND*Door on a vehicle that is damaged or whose personnel have been disabled

For more information visit
www.trimarkcorp.com

**AVAILABLE:**

- Configurable to work with electric, pneumatic or electric-hydraulic actuators
- Remote actuation via a switch that can be dash mounted or door mounted
- Right or left hand versions for side hinges doors or ramp doors
- TriMark's proven 050-0850 Heavy Duty Latch provides FMVSS 206 (ECE R11) compliancy
- Can be purchased as separate products or complete one-piece modules ready for installation
- Customization features available. Please inquire.

System kits are available and include TriGuard line of heavy duty latches, linkages, handles and door modules that are specifically developed for heavy duty armored vehicle applications to provide a comprehensive access solution.

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Other Patent Pending

Note that this product complies with FMVSS 206 (ECE R11) when tested accordance with SAE J839 and that this system meets FMVSS 206 (ECE R11) loads and locking requirements and may be used in FMVSS 206 (ECE R11) applications pending TriMark application approval.

