

# **COMMANDoor**

## ***Intuitive Motion Control System***

### **Door Assist System—Heavy Applications**



The **COMMANDoor** System consists of a pre-engineered modular system within each door. Each system contains an actuator, an intuitive handle, mechatronic control linkage system, controller, and battery. The modular system simplifies installation and maintenance while increasing flexibility for both side door and rear door mounting locations.

- Successfully proven on doors weighing up to 1,500 lb or 680 kg
- Can be used on level ground and up to 90° slope (100 grade) while providing positive control of door throughout the entire range of motion
- Powered by a 24V battery pack, which is regulated by an integrated recharging system, or directly from vehicle using battery as a reserve
- Operates more than 25 cycles with no vehicle power
- Programmable to open or close a door in the range of 5-15 seconds\*
- Manual operation of the door by disengaging the actuator from the interior or exterior of the vehicle allows emergency functions.

\* Statistics are dependent on available vehicle geometrics.  
All values given are taken from actual applications.



500 Bailey Avenue  
P.O. Box 350  
New Hampton, Iowa 50659 U.S.A.  
Tel: 641-394-3188  
Fax: 641-394-2392  
[www.trimarkcorp.com](http://www.trimarkcorp.com)

**[www.trimarkcorp.com](http://www.trimarkcorp.com)**

# **COMMANDoor**

## ***Intuitive Motion Control System***

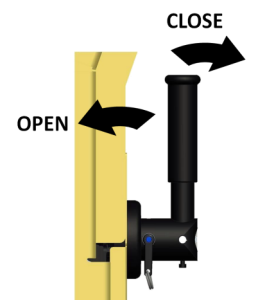
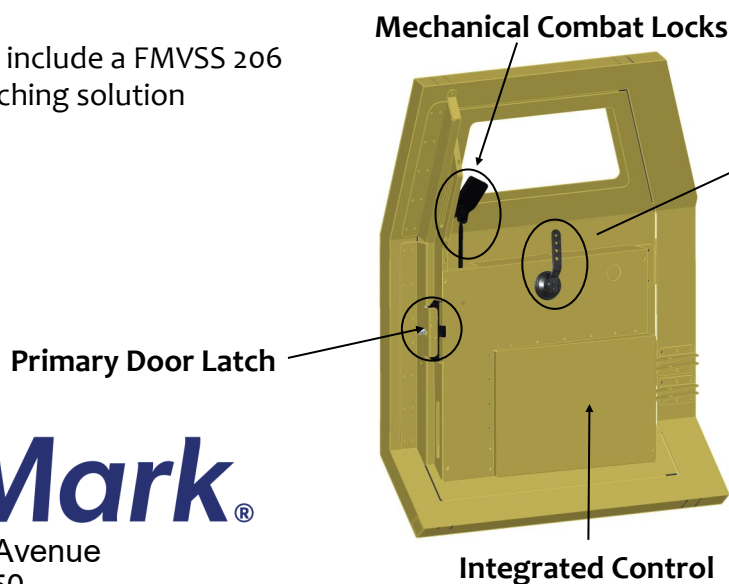
### System Options

1. System controller is environmentally sealed and factory programmable to adapt to the door's weight, speed, and size requirements.
2. **COMMANDoor** intuitive mechatronic controls allow a single-point of operation for both ingress and egress.
3. System can be powered from the exterior of vehicle using standard tool for emergency ingress
4. **COMMANDoor** can be configured in several ways to allow remote operation and control of the system from anywhere inside the vehicle
5. **COMMANDoor** can be powered by several modes of power to include electro hydraulic, pneumatic or electric drive options
6. Integrated to include a FMVSS 206 compliant latching solution

### Safety

The **COMMANDoor** system has several built-in safety features to stop door operation if the door should come in contact with an object or obstruction.

- Door perimeter “Safety Strips” sense contact with interior of door and will stop operation if detected and reverse to relieve the obstruction
- Internal Emergency Stop (E-Stop) button allows operator to quickly stop door if needed.
- While doors are locked the system is both mechanically and electrically dis-engaged to prevent unintentional operation



500 Bailey Avenue  
P.O. Box 350  
New Hampton, Iowa 50659 U.S.A.  
Tel: 641-394-3188  
Fax: 641-394-2392  
[www.trimarkcorp.com](http://www.trimarkcorp.com)

This document gives only a general description of the product or service and except where expressly provided otherwise shall not form part of any contract. From time to time, changes may be made in the products or the conditions of supply. TriMark reserves the right to change