

EZ LOCK Series Manual Vehicle Restraint



FEATURES

- Manually-activated restraint
- Restraining force in excess of 32,000 lbs.
- Zinc-plated track and housing provides high corrosion resistance
- Low-profile 9" carriage-service range 9" to 30" off grade
- Optional upgraded iDock® 1.0 Controls connected online with optional myQ® Enterprise
- Designed and manufactured in the USA

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EZ LOCK Series

Manual Vehicle Restraint

VEHICLE RESTRAINT SYSTEMS

The Poweramp TPR EZ-Lock™ is a manual hook-style vehicle restraint that secures the trailer's rear impact guard (RIG) at the dock to reduce the risk of premature departure and trailer movement during loading and unloading. Its spring-loaded housing lowers with truck contact, and the carriage automatically adjusts with trailer float.

Versions include:

- Manual (M)
- Manual with Automatic Lights (MAL)

OPERATION

As the truck backs into position, the Rear Impact Guard (RIG) contacts the TPR EZ-Lock spring-loaded, structural-steel housing, which rides down its track, allowing the RIG to position itself on top of the housing. Once the trailer is positioned against the dock bumpers, the operate bar is used to slightly push down and twist on the activation latch, manually activating the restraint. A visual inspection should confirm the restraint has engaged the RIG. The operate bar can be stored and loading/unloading begins. The EZ-Lock restraint maintains contact with the RIG and adjusts automatically with the trailer float motion to ensure proper engagement at all times during the loading/unloading operation. When complete and the dock leveler is stored, the operate bar is used to push down the activation latch until the hook locks in the stored position. The operating bar is stored again.

SAFETY FEATURES

- RIG sensor bar notifies the operator if the restraint is not securely engaged to the trailer's Rear Impact Guard
- Caution signs for communication on basic M version
- MAL version with automatically operated interior/exterior red/green lights in opposing mode. Includes bypass position for flashing light changes in communication for trailers without RIG or with badly damaged RIG
- Restraining force in excess of 32,000 lbs
- Optional upgraded integrated iDock® Controls for safe leveler interlock

LIGHT COMMUNICATION

The EZ-Lock MAL restraint uses iDock® Controls with an LED 3-color light communication system. As a truck approaches, the exterior light is green and the interior light is red. Once the trailer is in position and the EZ-Lock MAL is engaged, the exterior light changes to red, warning the driver not to pull away, and interior light changes to green, signaling to the dock attendant it is safe to enter the trailer. When loading/unloading is complete and the restraint is safely stored, the lights revert back to a green exterior and red interior. The controls include "Bypass" mode in the event that the restraint is unable to secure the RIG. An interior amber "caution" light is used to signal the use of bypass mode or any faults.

CONSTRUCTION

The durable zinc-plated, steel housing unit is designed to withstand impact from trailers and protect all internal components from any weather conditions.

The electrical requirements are 115V, single-phase. The control panels for the MAL are NEMA 12 for Dock Alert and NEMA 4X for iDock Alert with all components, connections and wiring UL listed and/or recognized.

Panels are built in-house in a UL-approved control panel shop.

EZ LOCK MANUAL

COMMON OPTIONS

- Automatic iDock light communication (MAL)
- Cantilever bracket with a requested projection
- Dock Alert light communication
- Integrated control panel
- Interlock terminals for leveler or door switch (MAL only)
- Limit switches for door interlock
- Optional mounting hardware for wall or ground

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Designed, Engineered, and Manufactured in the U.S.A.
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Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.

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Premium Loading Dock Systems