

TPR 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
- RIG sensor bar with optional audible alarm on MAL
- Optional Dock Alert light communication
- Optional upgraded iDock® 1.0 Controls connected online with optional myQ® Enterprise
- Designed and manufactured in the USA

Connect online
with

myQ
Enterprise

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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 Manual Lights (MML)
- 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

- MML version with manually operated interior/exterior red/green lights always in opposition
- 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
- Optional upgraded integrated iDock® Controls for safe leveler interlock

LIGHT COMMUNICATION

MML – As a truck approaches, the exterior light is green and the interior light is red. Once the trailer is in position and the TPR EZ-Lock MML is engaged, the operator presses Dock Alert Status, changing the exterior light to red, warning the driver not to pull away, and interior light to green, allowing the dock attendant to safely enter the trailer. When loading/unloading is complete and the restraint is safely stored, the operator presses Dock Alert Status again, reverting the interior light back to red and exterior light to green.

MAL – The same light communication system as the MML is used, but the MAL the lights automatically change when the restraint is activated and deactivated. The MAL also includes “Bypass” mode in the event that the restraint is unable to secure the RIG.

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 MML and 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.

TPR EZ LOCK MANUAL COMMON OPTIONS

- Automatic iDock light communication (MAL)
- Manual iDock Alert light communication
- 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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Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.