

TPR® Series Automatic Vehicle Restraint



FEATURES

- Push-button activation (115v single-phase operation)
- iDock® Controls with interactive message display
- Advanced 3-color light communication system
- Low profile 9" carriage - service range 9" to 30" off grade
- Restraining force in excess of 32,000 lbs.
- Zinc-plated track and housing provides high-corrosion resistance
- On-demand, IP67-rated motor, submersion proof up to 1 meter
- Exclusive designed gear motor keeps hook continuously engaged
- Automatically ensures safe capture or auto-stores
- Automatically re-engages if the restraint is forced down
- iDock Controls connected online with optional myQ® Enterprise
- Designed and manufactured in the USA

Connect online
with

myQ
Enterprise

** TPR shown with advanced
iDock Controls and OSLA (Outside
Light Assembly).*

A Division of Systems, LLC
POWERAMP
Premium Loading Dock Systems

TPR® Series

Automatic Vehicle Restraint

VEHICLE RESTRAINT SYSTEM

The TPR® is a truck positioned vehicle restraint, available as a standalone unit or integrated with other loading dock equipment. The unit incorporates a self-contained motor assembly and helps prevent unexpected trailer departure from the loading dock during the loading/unloading process.

OPERATION

As the truck backs into position, the Rear Impact Guard (RIG) contacts the TPR 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 operator presses the “Engage” button, activating the hook to rotate up and secure the trailer to the loading dock. The TPR 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. After loading is complete, the operator presses the “Release” button, lowering the hook to a safely stored position, releasing the trailer.

SAFETY FEATURES

- Amber caution light when the restraint is in the process of engaging the RIG, or in override conditions for added communication safety
- Integrated iDock® Controls for safe leveler interlock
- Full communication package with signage and interior/exterior, red/ green LED lights in opposing mode
- Optional restraint engaged interlock controls with leveler
- Restraining force in excess of 32,000 lbs.



The TPR hook rotates up to engage the RIG and secure the trailer to the loading dock.

ADVANCED COMMUNICATION

The TPR restraint uses advanced 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 restrained, the interior light changes to green and exterior light to red, warning the driver not to pull away from the dock. When the trailer is released and the restraint hook is safely stored, the lights revert back to a green exterior and red interior. An interior amber “caution” light is used if needed for bypass mode or 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 TPR vehicle restraint is engaged electrically. The IP67-rated motor is 1/10 HP TENV 115v single phase, with a NEMA 4X control panel.



CONNECTIVITY

iDock Controls come standard and ready to connect online.



TPR®

COMMON OPTIONS

- Audible alarm
- Configured back plate for custom hooking range
- Custom interlock sequence with leveler or door
- Integrated Control Panel
- Variety of cantilever brackets and installation hardware

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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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