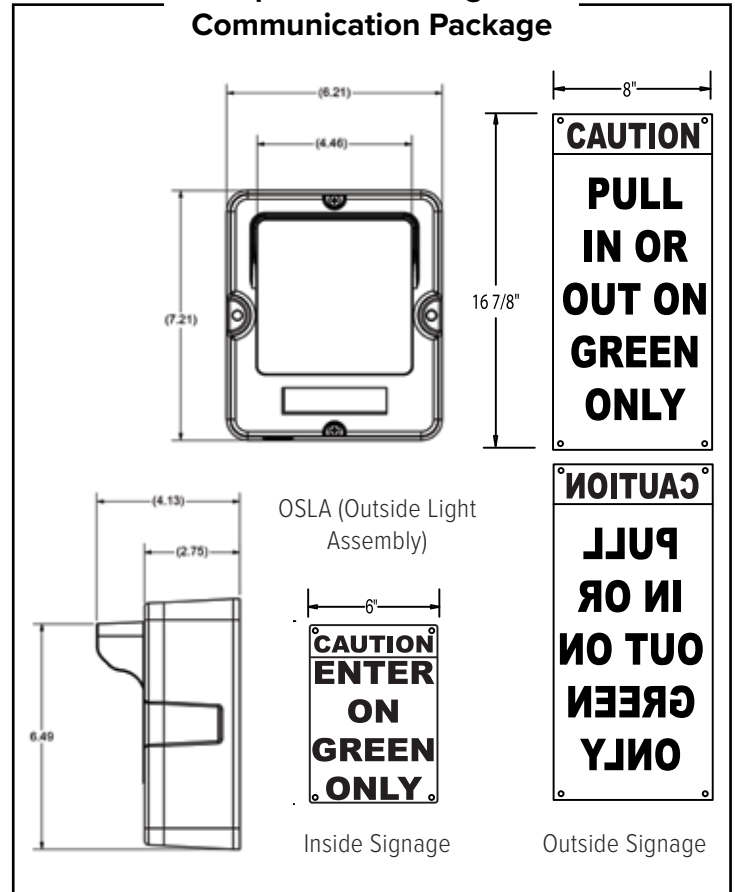


EZ LOCK Series Manual Vehicle Restraint

Specification Sheet & Submittal



Optional Auto Light Communication Package



Standard Features

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

General Description

All EZ Lock Manual vehicle restraints are designed to secure a cargo trailer's Rear Impact Guard (RIG) to reduce the likelihood of premature trailer separation during the loading/unloading process. The EZ Lock vehicle restraint features a complete mechanical restraint mechanism and activation rod, along with communication signage. An optional iDock Alert Communication System, including iDock inside control panel and exterior communication lights, is also available.

Exterior Lights

Low profile exterior lights are standard with LED for extended life. One light shows a red X and a green circle for color-impaired individuals. A set of caution signs warns truck drivers to "Pull in or out on green only".



Construction

The EZ Lock restraint system is a truck positioned restraint system designed to be permanently mounted to the loading dock foundation. Restraint back plate and housing shall be in a zinc finish for all weather protection. Once activated, the EZ Lock seeks the RIG and exerts positive pressure to reduce the possibility of premature trailer separation from the dock. The EZ Lock secures the trailer with over 32,000 lbs. of pull-out force.

Hooking Range & Capacity

The EZ Lock restraint system is designed to withstand a pulling force in excess of 32,000 lbs., giving an added margin of safety and protection. Maximum operational range is 4" to 10" horizontally from face of dock bumpers, and 9" to 30" vertically above drive approach.

Operation

EZ Lock (M) - Restraint Only

Once the trailer is parked tight against dock bumpers, the dock attendant uses the operate bar to slightly push down and twist on the activation latch, 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.

EZ Lock (MML) with Manual Light Communication System

Adding an optional simple Dock Alert or upgraded Manual iDock Alert communication system to the EZ Lock establishes a clear line of communication between truck drivers and dock personnel. At the beginning and end of a loading cycle, the dock attendant presses the Dock Alert status button. A flashing red light on the interior panel

warns the dock attendant conditions are not safe for loading/unloading, while a flashing green light on the exterior wall indicates the truck is cleared to approach or depart the dock.

Once the restraint has been activated and the dock attendant confirms the restraint arm has engaged the RIG, the dock attendant presses the Dock Alert status button to change the exterior light to red, warning the driver not to pull away, while the interior light will be flashing green, indicating safe conditions and to proceed with the loading/unloading.

EZ Lock (MAL) with Automatic Light Communication System

Adding the automatic Dock Alert or upgraded Automatic iDock Alert communication system to the EZ Lock establishes a clear line of communication between truck drivers and dock personnel. When the restraint hook is in the stored position, the exterior light will flash green indicating the truck is clear to approach or depart the dock while the interior light flashed red warning the dock attendant conditions are not safe for loading/unloading. Once the restraint has been activated, and the dock attendant confirms the restraint hook has engaged the RIG, the dock controller will automatically change the interior light to green and exterior light to red. If the restraint is not securely engaged to the trailer's RIG, the inside light will change to red and an optional audible alarm will sound. In the bypass position, the system will communicate the fault condition on the message display, if iDock is installed, and by flashing an amber caution light.

Electrical

The EZ Lock (M), EZ Lock (MML), and EZ Lock (MAL) vehicle restraint are available as a stand alone unit or combined electrically with your dock leveler selection. Electrical requirements for EZ Lock (MML) and EZ Lock (MAL) are 115v single-phase installed in a NEMA 12 enclosure for Dock Alert and NEMA 4X enclosure for iDock Alert. All electrical control panel components, connections and wiring are UL listed/recognized.

Please Note: Unless specifically noted on quotation, all electrical requirements, including mounting of control box, outside lights and signs, are the responsibility of others.



Warranty

All EZ Lock vehicle restraints feature a full one (1) year base warranty on all structural, mechanical parts, including freight and labor charges in accordance with Systems, LLC's Standard Warranty Policy. Systems, LLC warrants all components to be free of defects in materials and workmanship, under normal use, during the warranty period. This base warranty period begins upon the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier.

Order Specifications

Optional Equipment

Check Options Desired

- ☐ Integrated Control Panel
- ☐ Restraint Engaged Interlock with Leveler
- ☐ Wall Mounting Embed Plate
(Recommended on new construction)
- ☐ Approach Plate with Bracing
(Brick and block wall recommended)

- ☐ Pit Mounting Plate
- ☐ iDock 1.0 Controller (see 1.0 literature)
- ☐ Other _____

*Options must also be selected on the iDock Controls Spec Sheet

Required Information

CUSTOMER	
JOB	
LOCATION	
NUMBER OF UNITS	
MODEL	
SIZE	
REPRESENTED BY	
SALES REP	

Certified for Construction

BY	
DATE	
COMPANY	
CITY & STATE	
DRAWING #	