

BEACON ™

Owner's Manual



BEVR650

Dock Restraint

BEACON INDUSTRIES, INC, 12300 OLD TESSON ROAD, ST. LOUIS, MO 63128, USA
PH: 314-487-7600 FAX: 314-487-0100

The BEVR650 is designed for grade mounting at dock face. Proper performance relies on adequate preparation and installation. Read the manual to fully familiarize yourself with the added value of this safety equipment. When properly installed and operated the BEVR650 will provide many years of optimal service.

Be sure adequate electrical service is offered to insure proper operation of all electrical circuits.

If any information provided herein is not fully understood contact your local BEACON representative or BEACON direct.

Safety Procedures



WARNING: Read and understand all safety practices and operating instructions before installing, operating or servicing the vehicle restraint. Failure to follow the safety practices and operating instructions may result in property damage, serious bodily injury and/or death.

If you do not understand the safety procedures or the instructions, ask your supervisor to explain the safety procedures and/or teach you how to use the vehicle restraint.



CAUTION: The installer and/or operator **MUST** be very familiar with the operation, function and various parts of the BEACON vehicle restraint **PRIOR** to installation and/or operation. If this is not the case, it is **IMPERATIVE** that the installer and/or operator read, and fully understand, the entire contents of this manual. **Be certain to read and understand all warning and caution statements contained in this manual prior to any installation, operation or servicing of this unit.**

1. Do not operate this equipment while under the influence of drugs or alcohol.
2. Do not stand in the driveway between the vehicle restraint and a truck backing or pulling away.
3. Be sure the truck wheels are chocked, or the truck is held in place by a restraining device, before attempting to load or unload the truck.
4. Do not use the vehicle restraint if it looks broken or does not seem to work correctly. Lockout/tagout the defective equipment and tell your supervisor immediately.
5. Make sure the vehicle restraint is clear of all objects and debris before attempting to operate.
6. Be certain that equipment, material and/or people are not between the vehicle restraint and incoming/departing truck.
7. Keep clear of the vehicle restraint when it is moving. Never place your hands, arms, feet or legs in the position where a moving vehicle restraint could cause injury. **If in doubt, do not do it!**
8. If the vehicle restraint is not working properly, as described in the operation instructions in this manual, **Do Not Use**. Contact your authorized BEACON representative.
9. Never attempt to work on the vehicle restraint, for service or repair, without proper placement of traffic barricades.
10. Damage to the vehicle restraint, personal injury or death can result from abuse and/or negligent use of this equipment.
11. If you have any questions, or if a malfunction occurs which is not understood, ask your supervisor to contact your authorized BEACON representative for assistance **PRIOR** to attempting any corrective measures.



THIS IS THE SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY HAZARDS. OBEY ALL SAFETY MESSAGES THAT FOLLOW THIS SYMBOL TO AVOID POSSIBLE INJURY AND/OR DEATH.



WARNING

INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN SERIOUS INJURY AND/OR DEATH.



KEEP THIS MANUAL AND ALL SAFETY PROCEDURES IN A SECURE LOCATION WITH EASY ACCESS.



WARNING! READ AND UNDERSTAND THIS ENTIRE MANUAL PRIOR TO OPERATING.



WARNING! A VEHICLE RESTRAINT CAN BE A POTENTIAL THREAT TO PERSONS AND PROPERTY, IF NOT USED PROPERLY. SAFE OPERATION IS THE RESPONSIBILITY OF THE OPERATOR.



WARNING! DO NOT ENTER THE AREA IN FRONT OF OR BELOW THE VEHICLE RESTRAINT. SERIOUS PERSONAL INJURY AND/OR DEATH MAY RESULT.



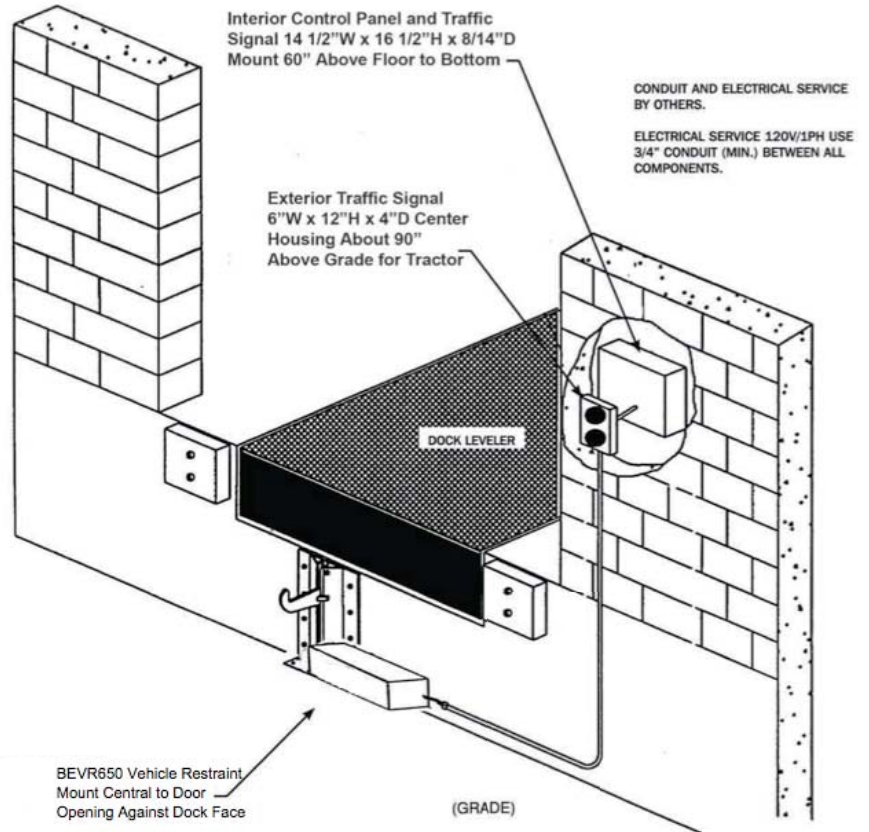
WARNING! DO NOT ATTEMPT TO INSTALL, MAKE REPAIRS OR ADJUSTMENTS. ONLY A TRAINED AND AUTHORIZED SERVICE TECHNICIAN SHOULD PERFORM REPAIRS OR ADJUSTMENTS. ONLY A QUALIFIED CONTRACTOR/SUB-CONTRACTOR SHOULD PERFORM THE INSTALLATION PROCESS. CONTACT YOUR LOCAL BEACON DEALER FOR ASSISTANCE.

ARRANGEMENT OF THE DOCK AREA

BEVR650 SUBMITTAL DRAWING

This unit is designed for grade level location. If local conditions warrant, the Restraint Console may be located above grade. BEACON recommends limiting above grade mounting to less than 2" to maintain clearance for projected new standards allowing lower R.I.G. (Rear Impact Guard).

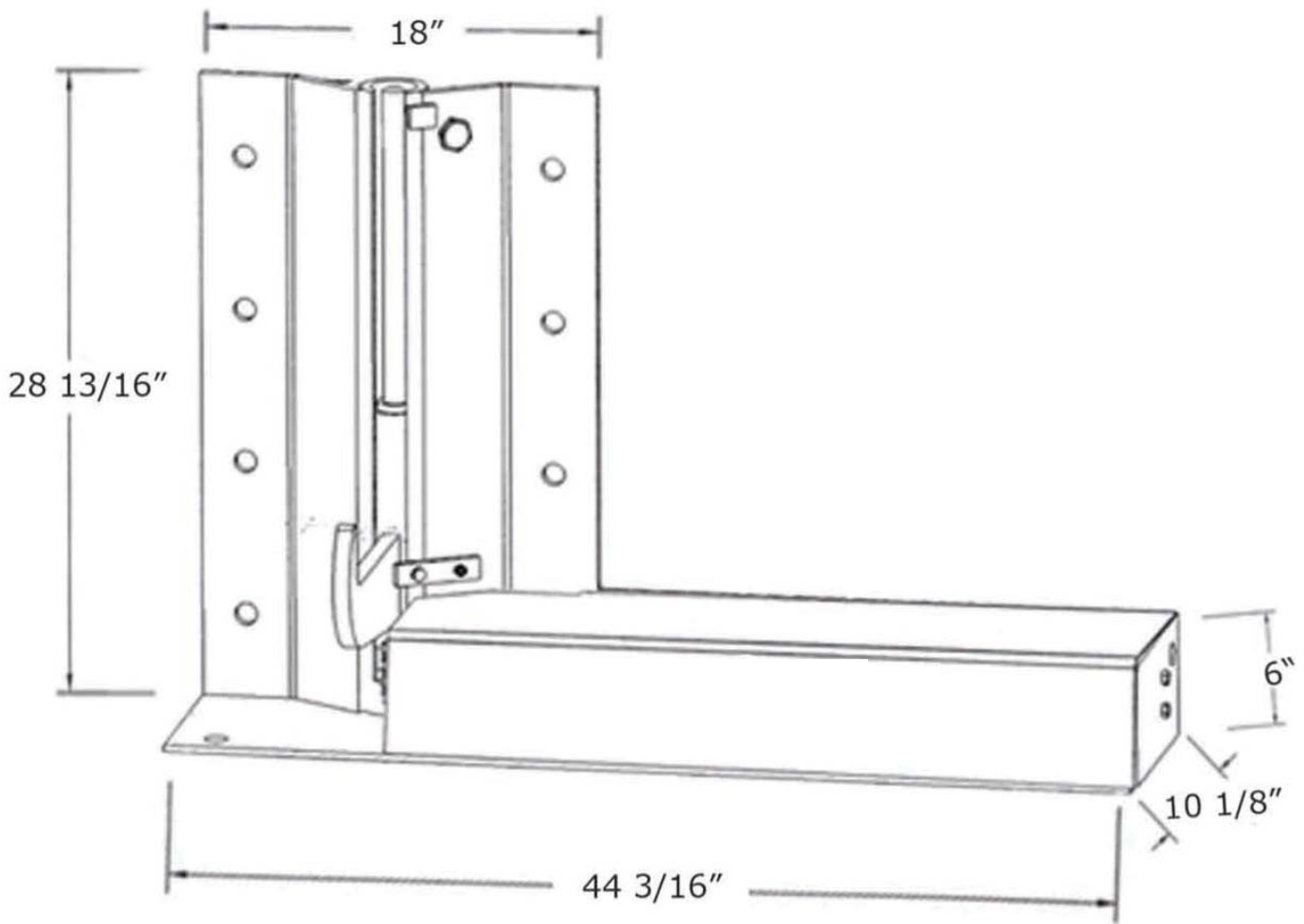
The success and strength of any installed product relies heavily on the conditions of the material surrounding the installation site. This will include the dock face and adjoining drive area for the BEVR650 Dock Restraint. Repair any structural defects to the dock face and/or drive prior to attempting equipment installation. If necessary, prepare alternate attachment methods to accommodate on-site conditions or contact your local representative or BEACON to assist in preparation of accessories needed to adequately secure this product.



! WARNING

When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

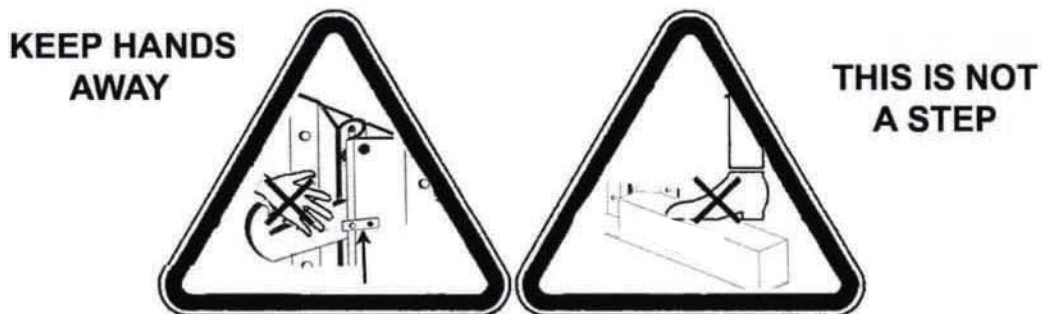
BEACON ™



WARNING

- Before loading or unloading a trailer, while using the BEVR650 restraint, ALWAYS inspect to be sure that the R.I.G is functional so that It can be captured by the truck restraint. If a condition occurs that cannot be remedied by backing the trailer firmly against the dock bumpers, secure the trailer by other means.
- Be sure the area around the housing assembly is free of all objects, debris, or any other obstructions.
- ALWAYS operate the BEVR650 truck restraint from the top of the dock.
- Inspect all BEVR650 truck restraint lights dally to make certain they work properly.
- Perform maintenance on the BEVR650 truck restraint in accordance with the Maintenance procedures on page 16 of this manual.
- BEVR650 truck restraints should only be operated by authorized personnel who have read and understand the Owner's Manual.
- Call your local BEACON representative with any questions.

WARNING



ARRANGEMENT OF THE DOCK AREA

NOTE: Attachment of this unit places anchor components in shear and tension rather than direct tension for added strength. Your best results will be achieved when all mounting holes are used.

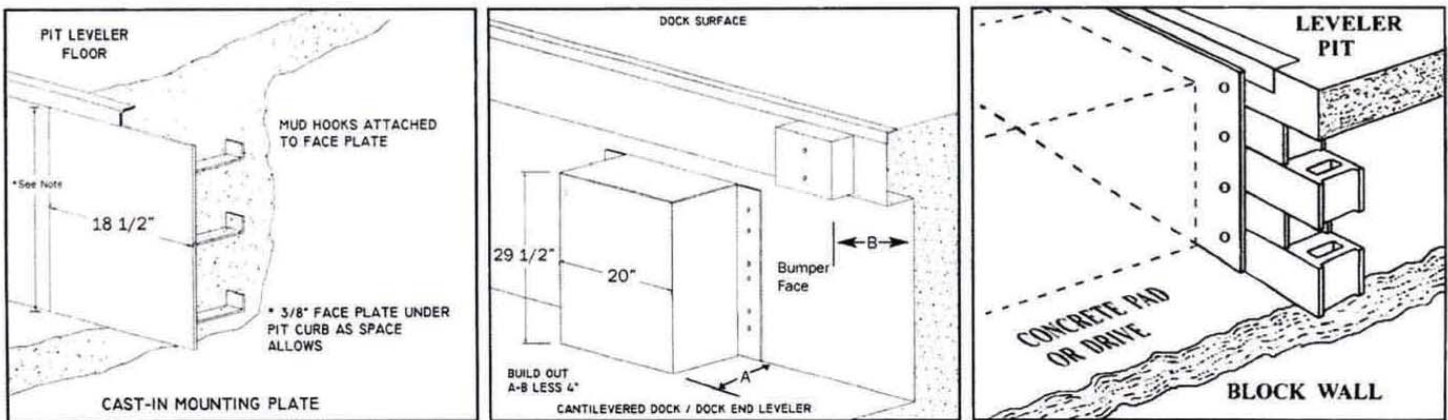
OPTIONAL INSTALLATION NEEDS:

New Construction: Preplanned use of the BEVR650 will afford the opportunity to use a cast in place anchor plate offered by BEACON or prepared by others to become a fixed component of the dock face. These plates offer maximum strength and ease of installation. When imbedded in a new wall or during remodeling, the BEVR650 becomes a weld-on installation. Verify that the pit leveler does not extend beyond the dock face.

Leveler Overhang: Should building design offer a cantilevered dock shelf, extended bumpers or dock end mounted leveler (Edge of-Dock product), the BEVR650 Restraint console must be mounted ahead of the dock wall a distance equal to the location of the dock bumper face from the foundation wall, less 4". The console size is designed to accommodate industry

standard 4" – 6" dock bumperring. Any bumper projection more than 6" from dock face necessitates console positioning ahead of dock wall. BEACON will prepare the BEVR650 per order to satisfy your dock conditions if known in advance. BEACON can also prepare field adapters for these mounting needs. Discuss with your representative or local fabricator as on-site conditions require.

Cinder Block Wall: Usually a block wall offers minimal longevity to face mounted equipment. It is, therefore, necessary to take added measures to assure improved anchoring. A face plate welded to pit slab curb steel and extending to grade level with extra anchoring will be beneficial, allowing for a weld-on installation of the BEVR650. Additionally, firm foot anchoring is highly recommended. If a concrete approach is not available, a pad should be prepared 8' deep by 6' wide by 4', with two layers (separated) of reinforcement mesh not less than 4' by 4'. A cast-in anchor base is also recommended for weld-in place installation in these situations.



Read and understand all instructions prior to installation or operation of this safety equipment.

The BEVR650 is shipped completely assembled and factory tested. This product displayed proper operation under factory conditions prior to shipment and is ready to install. Inspect all materials received and review arrangement layout included to preview installation setup needs.

Review the dock face area directly beneath the location where truck docking occurs. Remove or relocate any obstacles which would prevent flush and secure mounting of this product. Repair any weakness observed in the mounting area. If conditions warrant, prepare a slab for base mounting of the BEVR650.

NOTE: Base mounting in conjunction with wall mounting provides the ultimate opportunity to maximize the installed strength of this safety equipment and is highly recommended particularly when wall conditions may not be optimum. However, local conditions including floating yard slabs or poor drive construction may negate or minimize the value of this feature. Particular attention should be given other opportunities to offer a maximum installed strength of this product in the event a portion of the prescribed installation method requires deviation from that noted. (See list of optional mounting alternatives.)

Position Restraint console and mark dock face and grade for anchors. Unit should be positioned to sit plumb (vertical) and level (horizontal) and as firmly against dock face as possible. Shim beneath bottom mounting rails as needed to provide firm footing. Shims should be steel and welded into position to avoid creepage or accidental dislocation. This unit is prepared for 3/4" diameter anchors. Minimum size recommended is 5/8" x 5" for wedge type anchors. (See other instructions if dock is not poured concrete construction). Eight (8) hole locations are provided for wall attachment and should all be prepared for anchors.

Grade attachment should be offered as allowed by conditions. Use same technique as wall mount if yard has concrete pad or drive. Compensate length of anchor for any shim addition under mounting plate. For black top or hard compacted drives provide anchor rods of 1/2" diameter by about 15" long. These should be prepared with a modestly pointed nose to be driven into the ground surface through the mounting holes offered. The top end should then be welded to secure rod to Restraint base.

The operating range of the BEVR650 offers engagement of most legally mounted R.I.G. members. The unit performance will be limited to the position and strength of the R.I.G. section which varies by manufacturer and design as well as its condition due to the extent of its maintenance, age and possible abuse. The BEVR650 will accept very high stress and pulling forces, however, this too can be limited by installation technique, anchors and materials and/or the condition of the dock wall and drive area. Conditions or equipment failure due to accident or inadequate preparations and/or reasonable maintenance (See page 12, Lubrication) of the dock area and its equipment could result in further property damage or personal injury.

Use 1/2" diameter rebar or similar for good grip characteristics.

MOUNTING CONTROL PANEL AND OUTSIDE LIGHTS

Mount Operator Station in a convenient location which will provide a good view for dock attendant of loading area. We recommend left side of opening looking "out" as shown in dock arrangements diagram as this simplifies installation. Right side of doorway mounting is fine if installation conditions warrant.

Mount exterior traffic light on truck driver's side of exterior wall (left side facing out) in area clearly visible to driver. Be certain to offer clearance for future or current installations of seal/shelter products. Light housing should be 90" above grade as noted on arrangement diagram.

Factory pre-wired junction box is inside Restraint console to harbor wire connections where control and motor leads from Operator Station will join prewired leads from console components.

Route conduit and connectors (supplied by electrical installer) to join console unit, Restraint console and exterior traffic (wire also to be supplied by installer). Make connections per diagram inside light box.

Install trucker's instruction signs above and below traffic light where clearly visible to incoming traffic. Supply and connect incoming electrical power to terminals within operator station.

WARNING

When working with electrical or electronic controls make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

FIELD WIRING THE BEVR650 CONTROL PANEL

The BEVR650 control panel comes pre-wired, ready for field installation. All field wiring is wired directly to the terminal strip provided. Figure 1 (page 14) is an excerpt from the electrical drawings. It shows where to land the cable leads in the BEVR650 control panel.

There are three items that need to be wired in the field, power, outside lights, and the motor.

Power

120VAC is wired directly to the terminal strip marked 120 VAC and NEUT. The ground lead can be wired to the GND terminal.

Outside Light

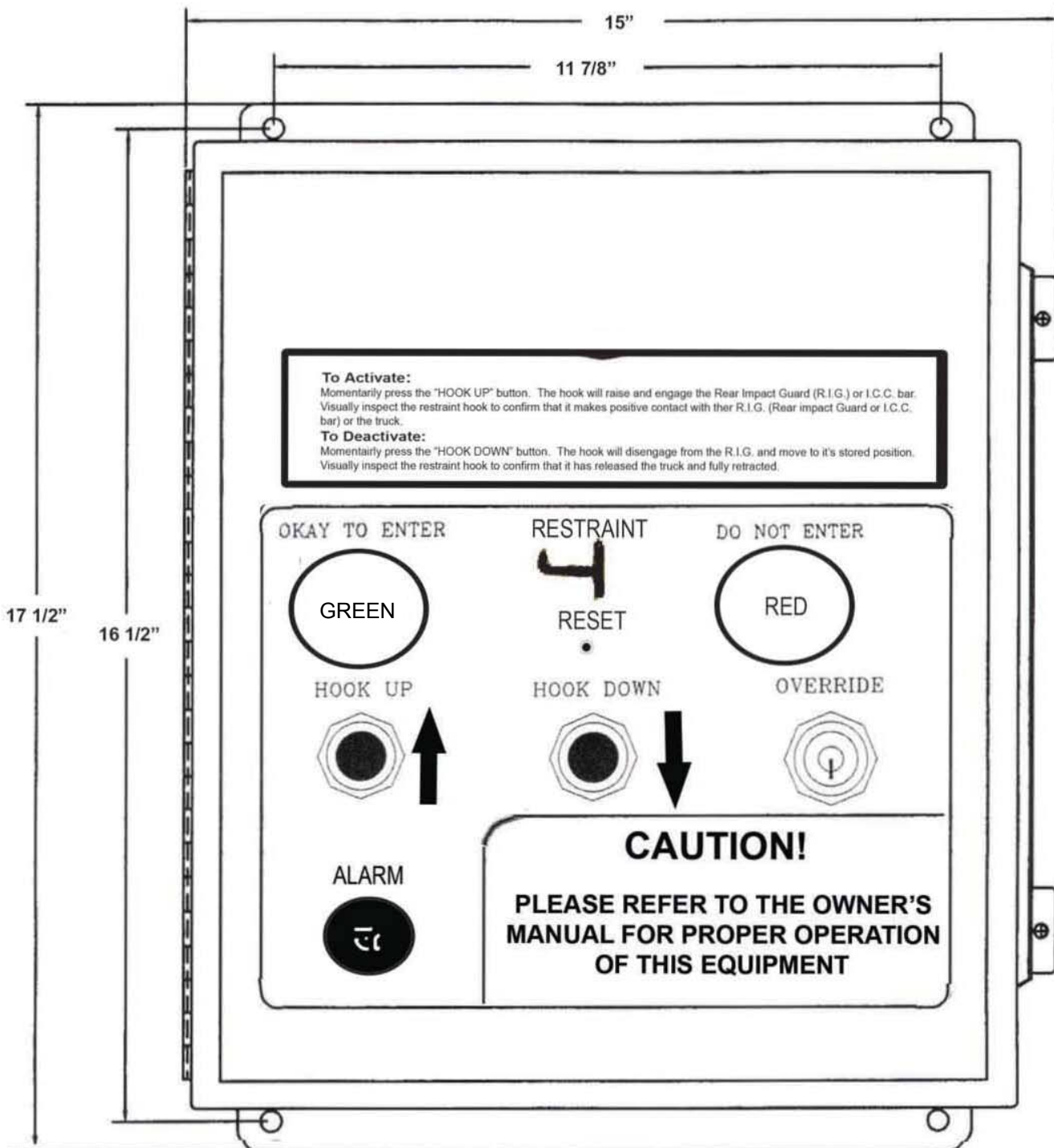
The outside light has 3 wires, one for red, one for green, and one common. Make sure that the lead for the red outside light is landed on terminal, OUT-7. The lead of the green outside light which lands on the OUT-10 terminal. The common wire for the outside lights should land on the - 24 VDC terminal.

Motor

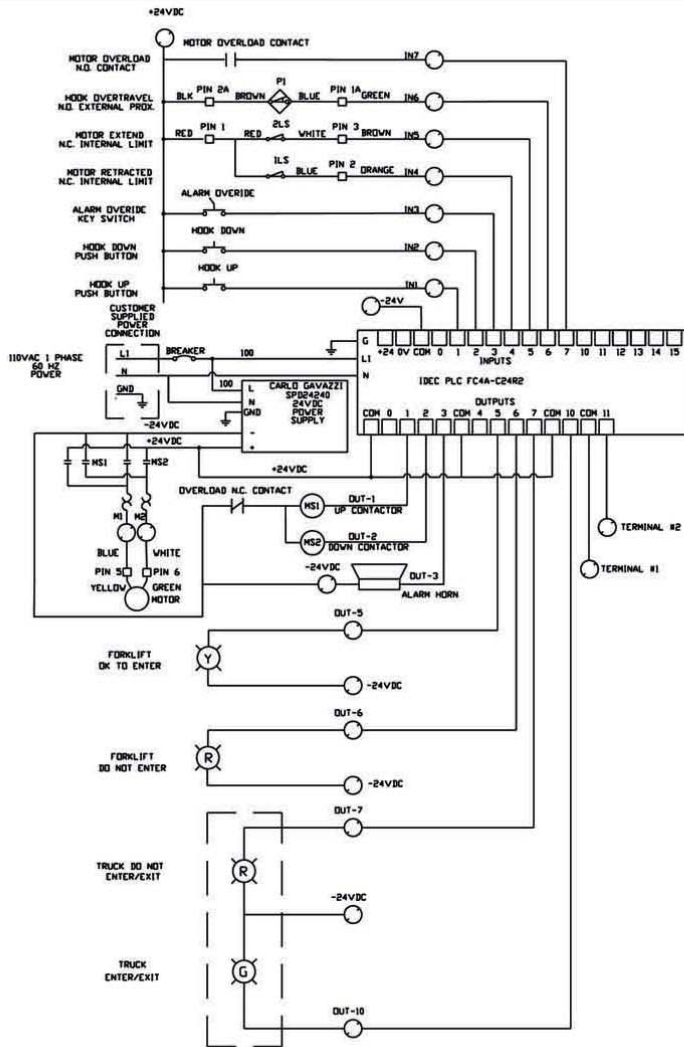
A color coded motor cable is provided with each unit and is wired to the terminal strip per Figure 1. (page 9)

Contacts for Leveler Engaged Interlock Circuit (Optional)

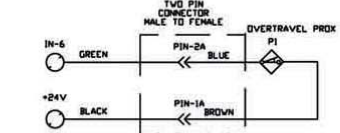
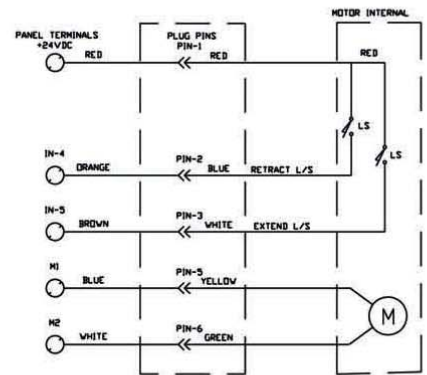
Terminals 1 and 2 in the control panel can be used to interface with other controls. When the truck is restrained, a relay is energized, closing a set of contacts, completing the circuit between the wires connected to terminals 1 and 2. The maximum current that can be carried through this circuit is 10 amps. Land the leads for the interfacing equipment in terminals 1 and 2, it does not matter where either lead is landed.



WHEN MOUNTING THE ENCLOSURE,
LEAVE THIS AREA OPEN FOR
CONDUIT OR CABLE CONNECTIONS

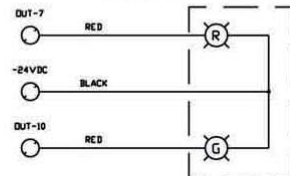


MOTOR CONNECTOR WIRING



TERMINAL # 1
 ○ LEVELER ENABLE* (OPTIONAL)
 TERMINAL # 2
 ○

EXTERNAL LIGHT WIRING



ELECTRICAL SCHEMATIC FOR 110VAC 1 PHASE EVR		
BEACON INDUSTRIES, INC		
DRAWN BY: K HALL (AME)	DATE: 8/11/09	DRAWING NO: PID-EVR-ELEC

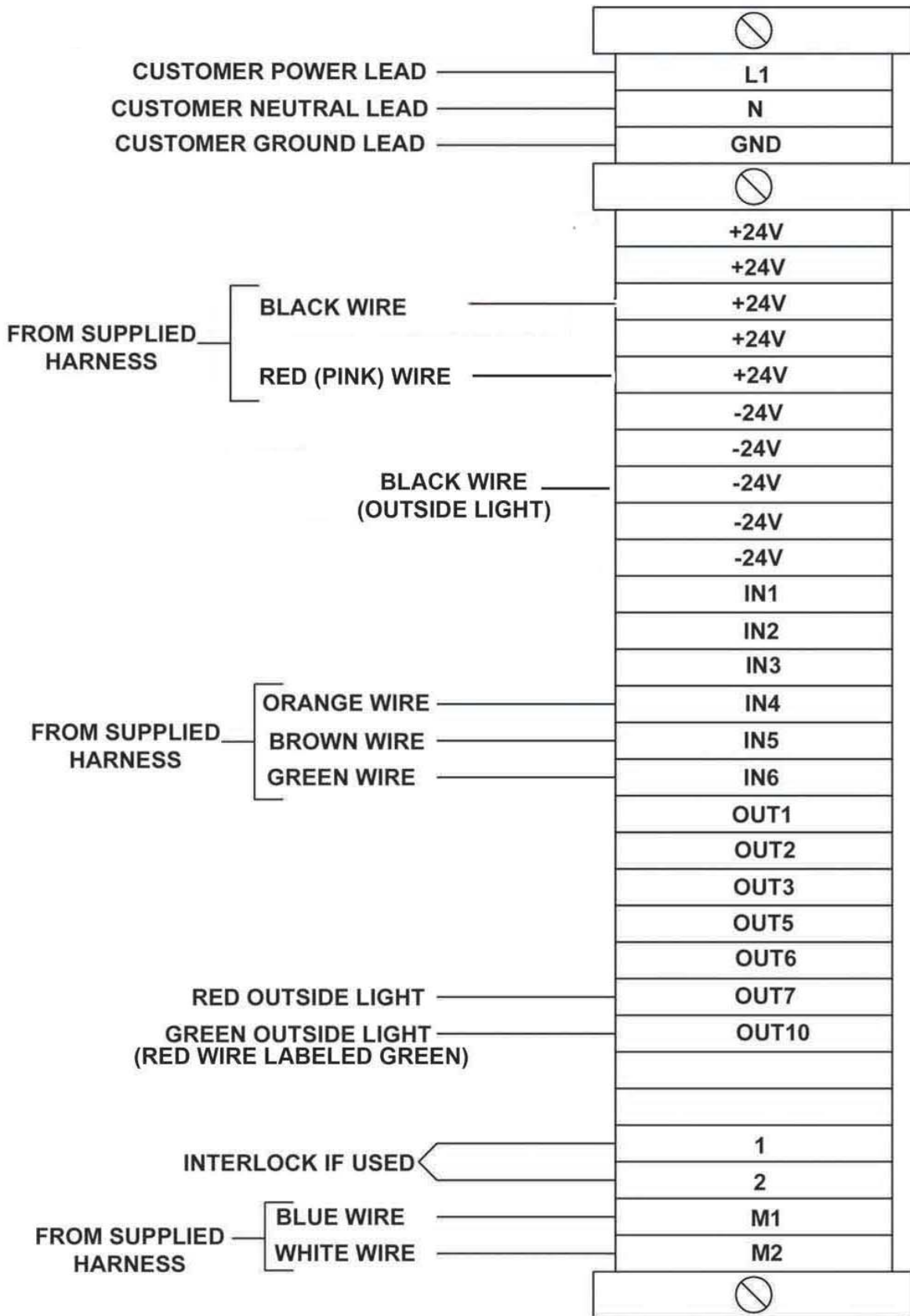


Figure 1.

Properly installed and serviced this Vehicle Restraint will greatly enhance safety during truck loading/unloading operations and should offer many years of service without a regular maintenance schedule. This product is designed for use in the outdoor environment. **Regional and seasonal climate variables offer a wide range of maintenance possibilities for equipment exposed to the elements. (See page 16. lubrication).** The factory adjustment of this product offered proper operation prior to shipment. Although the factory attempts to offer equipment which will display normal operation for most installations, local conditions may require

attention at installation to cope with specific site needs.

Please contact the factory to review any installation or equipment issue which is not covered by this manual or which is not fully understood.

Contact your authorized BEACON representative for required service or adjustment.

The BEACON Vehicle Restraint uses state-of-the-art circuitry to engage and disengage the locking hook of this unit. This system eliminates the need for regular maintenance (other than minor lubrication) although an adjustment as previously noted may be in order.

Preparing to Run

In order for the system to operate normally, the truck restraint must be fully retracted. If the restraint hook is not fully down, turn the override key switch to override and then press and hold the hook down button until the hook travels all the way down. Once the truck restraint hook is fully retracted, turn the override key switch back to normal and the system is ready to run.

Engaging or Disengaging the Truck Restraint

With the truck docked firmly against the bumper face, the dock attendant simply presses, the "hook up" push button momentarily, which will raise the truck restraint hook and engage the truck. Once the truck restraint is fully extended, the "OK to Enter" light flashes on the BEVR650 control panel indicating a good loading condition. At the same time the Red outside light will begin to flash, indicating that the truck is restrained and warning the driver not to attempt a departure.

SAFETY NOTE: A brief, **visual check of the engagement** is necessary and should show the R.I.G. captured by the restraining hook of the BEVR650. If the truck is noted to have a weak or missing R.I.G. the attendant should notify the dock supervisor of the problem and see that other measures are taken to secure the truck prior to loading or unloading. The BEVR650 should remain engaged in order to offer a secondary safety opportunity by controlling truck traffic with its exterior traffic light. When the "hook down" push button is momentarily pressed the restraint hook will power retract into the stored position next to the console housing and release the truck. **NOTE:** If the hook is too tight against the truck, to release, ask the trucker to back up slightly. Once the truck restraint is fully retracted, the "DO NOT ENTER" light will begin to flash on the BEVR650 control panel advising caution around the dock area because the restraint is deactivated and the truck may leave at any time. The Green outside light will begin to flash, indicating that the truck is free to move.

Override Key Switch

The override key switch is used to silence alarms and manually control the motor. Turning the key to the right puts the unit in override. Turning the key to the left allows the system to operate normally.

ALARMS

There are three (3) different conditions in which the alarm will be triggered. When any of the three alarm conditions exist, a buzzer sounds and the lights on the BEVR650 control panel blink in an alternating pattern. All alarms can be silenced by switching the override key to override. The conditions that cause alarms are given below.

1.The actuator does not complete its cycle up or down. It takes approximately 25 seconds for the hook to complete an up cycle and a down cycle. If it takes longer than 30 seconds then the motor stops and the alarm engages. To get out of this condition, switch the OVERRIDE key on the control box to the on position (turn key clockwise), this turns off the alarm and enables the user to complete the cycle up by continuously pushing the HOOK UP push button until the hook reaches it's up position. The user can also complete the cycle down by continuously pushing the HOOK DOWN push button until the hook reaches its down position. After the hook has reached the

up or down limit, switch the OVERRIDE key off (turn counterclockwise).

2.The cable from the motor is disconnected. Check to make sure that the motor cable is connected to the actuator and that the pins are contact with each other. Once the connection is good the alarm will disengage.

3.The motor over travel limit is reached. If the hook travels too far up, the alarm will engage meaning the hook has over traveled in the up position. To get out of this alarm condition, engage the OVERRIDE key switch (turn clockwise), then continuously push the HOOK DOWN push button until the hook reaches the down position. This will disengage the alarm. If the over travel alarm keeps engaging when the hook is in the up position, then user might have to adjust the motor actuator mount bracket.

Restraint Console: A heavy steel housing, to enclose the operating components of the BEVR650, serves as the mounting framework for the unit installation. The console is offered for grade level mounting against the dock wall face. Alternate mounting options are available to satisfy unique local conditions.

Restraint Hook: Operates to engage the ICC frame section of the truck or trailer chassis. When engaged the Restraint hook offers resistance to truck movement. When disengaged the Restraint hook is stored beside the console housing to allow free passage of docking or departing vehicles.

Extension Spring / Motor Unit: The BEVR650 hook is activated by an extension spring. Drive motor maintains

hook in retracted (stored) position. Lock circuit allows hook to engage truck via motor operation to release hook from stored position and attach to truck at R.I.G. Unlock circuit causes motor drive to reverse direction and retract hook for alongside console housing.

Operating Station: A fully-gasketed steel enclosure which mounts the operating push-buttons, the interior visual indicators and contains the electrical service which operates the motor and the interior exterior visual traffic signals.

Exterior Traffic Lights: Impact resistant enclosures for housing red and green visual traffic control indicators to display docking or no-go conditions for trucker. To open light housing, screw clamps must be loosened to service lights or wiring.

SECTION 6

SPECIFICATIONS

Electrical: 120V AG, 15A. (Amp Draw = 1.5 Amps)

Motor Unit: Linear Actuator

Wiring: Operator station prewired. Refer to field arrangement drawing (Page 1) for conduit and wire needs.

Limit Switches: Non-Adjustable Industrial quality momentary contact type. Used to control traffic signals and stop cycle in motor control circuit.

Push Buttons: Momentary contact type industrial quality switch.

Interior Lights and Exterior Lights: (Red and Green) LED. 12V

SECTION 7

MAINTENANCE

Maintenance Procedure: Shut off electrical power before servicing electrical system or during lamp replacement.

Remove four (4) bolts from console cover to open.
Remove any debris.

Inspect components for indications of potential problems (wear, damage). Cycle to review operation. Make adjustment or repairs as necessary. See Operation Instructions on Page 15.

Quick Check: Are all lamps on when required in cycle?
Does the Restraint hook fully extend and motor stop to complete "Lock" cycle? Does the Restraint hook fully retract and motor stop to complete "Unlock" cycle?

Visual Indicator: Proper traffic signals are critical to this safety equipment. Review functions on Page 15. Verify correct lamps on/off during lock/unlock cycles. Shut power off before lamp replacement.

Lubrication: This product is designed to function without excessive lubrication. However, for maximum efficiency, spray white lithium grease on the hook slide and chain once every thirty (30) days.

 **WARNING**

A safe work place requires all lights to be working properly. **DO NOT** use the BEVR650 truck restraint if parts are broken or missing.

 **WARNING**

Post safety warnings and barricade the work area, at dock level and ground level, to prevent unauthorized use of the dock position.

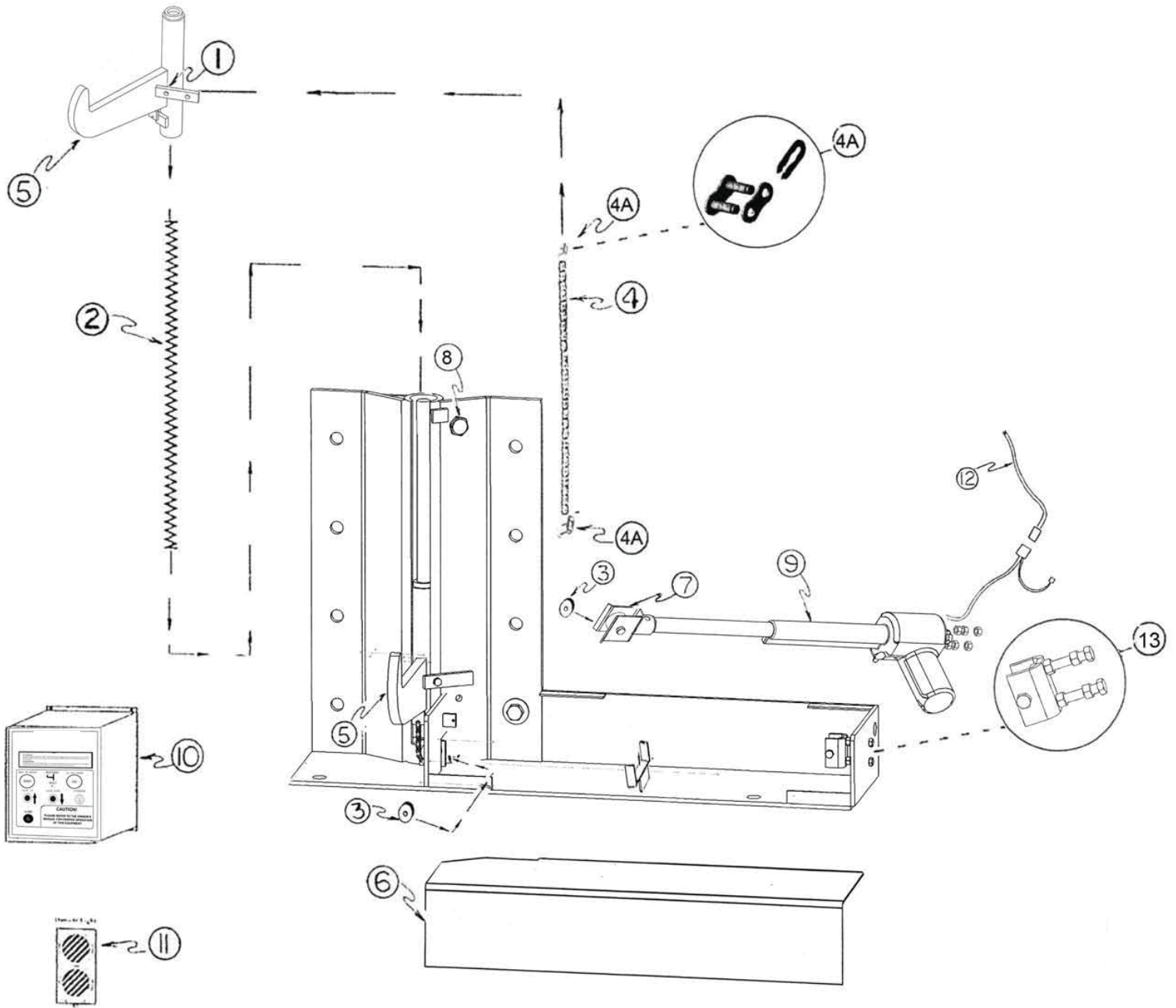
 **WARNING**

When lifting unit use a proper lifting device. Lifting by hand may cause serious injury and/or death.

IMPORTANT

Maintenance may be required more frequently at loading docks exposed to harsh environments. Contact BEACON if accelerated maintenance is required.

BEVR650 PARTS LIST



Illus. #	Part Description
1	Hook Stop
2	Spring
3	2" Idle Pulley
4	Chain (28 1/2" long)
4A	Master chain link #35
5	Hook Assembly
6	Motor Housing Cover Plate
7	Idle Pulley Mount
8	Proximity Sensor (EVR only)
9	Motor and Actuator Arm
10	Control Box (Consult Factory)
11	Red/Green LED Outside Light Package
12	Cable w/pig tail
13	Adjusting Bracket & Screws

Warranty Procedure

The information on the Warranty Claim Request Form must be provided with all warranty claims.

When a call is received with a warranty problem a Customer Service number (CSF ####) will be issued for that problem only and cannot be used again without prior approval. This number must be on all invoices submitted for Payment and on all correspondence.

Before and after pictures of all the work performed must be supplied with each claim. If you take digital pictures, e-mail them to: sales@beacontechnology.com. If you use a film camera forward the film to Beacon Industries, Inc. 12300 Old Tesson Road, ST. Louis, MO 63128

No Claim will be considered for processing without the required information.

Beacon's Warranty Policy for payment is a credit that will be applied to your account for payment. A copy of the credit memo will be sent to your billing address. If a check payment is required, the request must be in writing. The request then has to be approved by Beacon's accounts payable department.

Replacement Part under Warranty

Any replacement parts will be invoiced and credit will be given when the damaged parts are returned to Beacon. Beacon will determine the only exception, if the parts are not to be returned.

Replacement parts will be sent at Beacon's discretion either UPS ground or OTR truck. Any other request for shipments will be charged to the dealer. (I.e. UPS next day-FedEx etc.)

All returned parts will be issued a Return Goods Authorization Number (RGA ####). A form will be faxed to you with this number; the signed copy is to be faxed to 314-487-0100 and returned with the parts. The Return Authorization is only good for 30 days.

No credits will be issued without proper authorization.

A copy of the credit memo will be sent to your billing address. The credit will be given against the invoice issued for the replacement parts.

Any questions regarding Warranty or Return Authorization should be directed to Your Beacon account representative at 314-487-7600.



Warranty Claim Request Form

The Following Information Must Be Supplied To Process Any Claim

Dealer Name: * _____

Contact Person:* _____

Pioneer Invoice Number: _____ Date Of Purchase: _____

End User Name and address:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Product: _____

Model Number: * _____ Serial Number: * _____

Customer Complaint: *

Scope of Service Performed: *

Estimated Repair: Hours: * _____ \$ * _____

If multiple repairs list hours and \$ for each item: _____

Pioneer requires an invoice for all claims requiring a payment.

*** Before and After Pictures Must Be Supplied With All Work Performed
Purchase a disposable camera and send it to Pioneer along with the receipt.**

*** Required to process all warranty claims.**

CAUTION:

Contact your BEACON representative or the factory if a malfunction occurs which is not understood. DO NOT attempt to correct the situation without proper information and understanding, as this may damage components and void the warranty.

SERVICE AND MAINTENANCE

BEACON recommends periodic inspection and servicing of the BEVR650 Truck Restraint to assure proper operation and maximum life span of the unit. Units should be inspected a minimum of every thirty (30) days, and if needed, can be adjusted and lubricated. Contact your local BEACON dealer to secure a complete maintenance plan.



9.1 Beacon Industries, Inc. Limited Warranty

Beacon Industries, Inc. warrants that this BMVR650 Electric Truck Restraint will be free from defects in design, materials and workmanship on all structural parts for a period of exactly one (1) year from date of shipment. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be detected and in no event more than one (1) year after shipment. This warranty is extended to the original purchaser of this product and is non transferable.

In order to be entitled to the benefits of this warranty, the unit must have been properly installed, maintained, operated within its capacity, and not otherwise abused. Ninety (90) day periodic maintenance and adjustment is the sole responsibility of the owner.

This warranty is Beacon's exclusive expressed warranty.

Beacon expressly disclaims all implied warranties including the implied warranties of merchantability and fitness.

In the event of any defects covered by this warranty, Beacon will remedy such defects by repairing or replacing any defective equipment or parts, bearing all of the costs for parts, from Beacon to site. This shall be the exclusive remedy for all claims whether based on contract, negligence, or strict liability. **Beacon shall not, in any event, be liable for any loss of the use of any equipment or incidental or consequential damages of any kind.**

Maintenance and validation by original purchaser is required to keep Warranty in effect. In order to keep this Warranty in effect, the original purchaser must do two things:

First: The original purchaser must have the BMVR650 Electric Truck Restraint maintained and serviced as prescribed in the Owner's Manual.

9.1 Beacon Industries, Inc. Limited Warranty Cont'd.

Second: The original purchaser must present the seller with a maintenance schedule to show that the BMVR650 Electric Truck Restraint has been maintained and serviced in accordance with the Beacon's Owner's Manual. The validated maintenance schedule must be submitted whenever a claim is made under this Warranty.

Items not covered by Warranty. The seller does not cover:

(i) Defects, damage or deterioration due to normal use, wear and tear or exposure; (ii) normal maintenance services; (iii) the replacement of service items, i.e., fluid; (iv) damage or defects due to misuse, water damage, electrical power supply surges, improper installation, alteration, negligence or accident; and (v) damage or defects due to the repair of the BMVR650 Electric Truck Restraint by someone other than an authorized dealer or the installation of parts other than genuine Beacon part.

No other warranties made. This Warranty is in lieu of all other express or implied warranties of The Beacon BMVR650 Electric Truck Restraint, the manufacturer and the selling dealer, including any implied warranty of merchantability or fitness for any particular purpose. Neither Beacon Industries, Inc. assumes, or authorizes any person to assume, on its behalf, any other obligation or liability.

Some states do not allow the exclusion on limitation of implied warranties or liability for incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This Warranty and, any and all claims that may arise shall be construed according to the laws of the State of Missouri, USA.