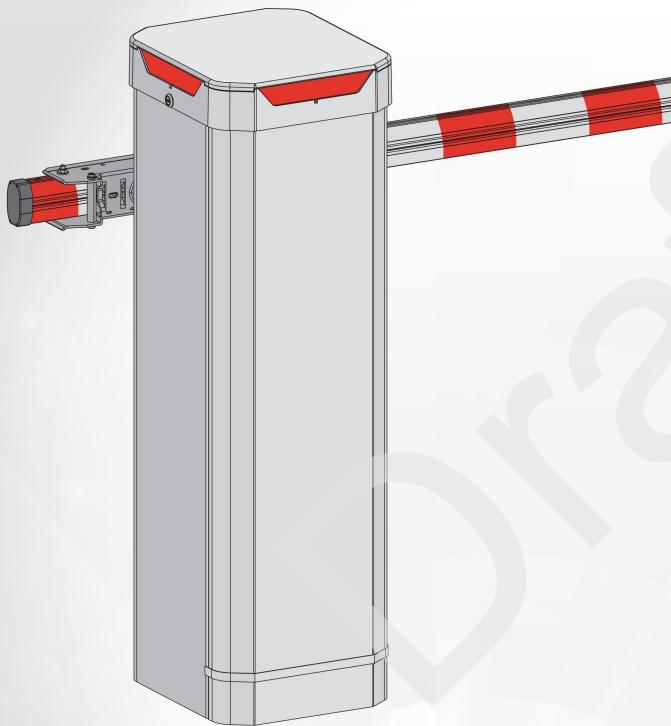


DC Vehicular BARRIER ARM GATE OPERATOR

INSTALLATION MANUAL



THIS PRODUCT MUST BE
INSTALLED AND SERVICED
IN ACCORDANCE WITH THIS
MANUAL BY A TRAINED GATE
SYSTEMS TECHNICIAN ONLY.

- This operator is for use on vehicular passage gates ONLY and not intended for use on pedestrian passage gates
- All models are intended for use in Class I, II, III, and IV vehicular barrier arm gate applications.
- Visit LiftMaster.com to locate a professional installing dealer in your area.
- This gate operator is compatible with myQ®, myQ® Smart Facility Access™, and Security+ 2.0® accessories.



MODELS

PBG24DCW | PBG24DCG

CBG24DCW | CBG24DCG



For online troubleshooting and product
information scan QR code, or follow link below:
<https://support.partner.liftmaster.com/s/gate-operators-barrier-gates/techna>

TECHNA
LiftMaster®

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Safety

Safety Symbol and Signal Word Review

This barrier arm gate operator has been designed and tested to offer safe service provided it is installed, operated, maintained and tested in strict accordance with the instructions and warnings contained in this manual.

When you see these Safety Symbols and Signal Words on the following pages, they will alert you to the possibility of serious injury or death if you do not comply with the warnings that accompany them. The hazard may come from something mechanical or from electric shock. Read the warnings carefully.

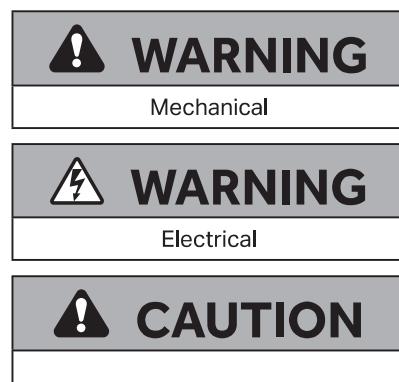
When you see this Signal Word on the following pages, it will alert you to the possibility of damage to your barrier arm and/or the barrier arm gate operator if you do not comply with the cautionary statements that accompany it. Read them carefully.

IMPORTANT NOTE:

- *BEFORE attempting to install, operate or maintain the operator, you must read and fully understand this manual and follow all safety instructions.*
- *DO NOT attempt repair or service of your barrier arm gate operator unless you are a trained gate systems technician.*



WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

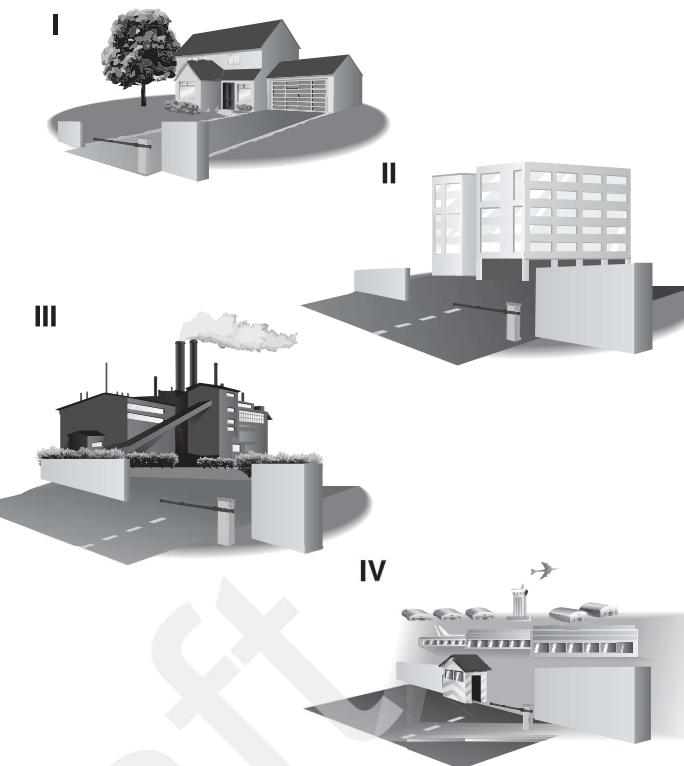


Safety (continued)

Usage Class

CLASS I - RESIDENTIAL VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in garages or parking areas associated with a residence of one to four single families.



CLASS II - COMMERCIAL/GENERAL ACCESS VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in a commercial location or building such as a multi-family housing unit (five or more single-family units), hotel, garages, retail store, or other buildings accessible by or servicing the general public.

CLASS III - INDUSTRIAL/LIMITED ACCESS VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in an industrial location or building such as a factory or loading dock area or other locations not accessible by or intended to service the general public.

CLASS IV - RESTRICTED ACCESS VEHICULAR GATE OPERATOR

A vehicular gate operator (or system) intended for use in a guarded industrial location or building such as an airport security area or other restricted access locations not servicing the general public, in which unauthorized access is prevented via supervision by security personnel.

UL325 Safety Requirements

DEFINITIONS

ENTRAPMENT: The condition when a person is caught or held in a position that increases the risk of injury.

REQUIREMENTS

- Do not install operator in a manner in which the arm moves within 16 in. (406 mm) of a rigid object in a location up to 6 ft. (1.8m) above the grade. Examples include walls, ceilings, guard shacks, and posts. Doing so creates an entrapment zone.
- It is the responsibility of the trained gate systems technician/installer to identify and eliminate all possible hazards including pinch points and entrapment zones at the installation site.
- All installations must have the provided warning signs in plain view from both sides of the barrier arm to warn pedestrians of the dangers of motorized barrier arm systems. See page 41.
- Do not install any signage or anything other than the optional devices such as LEDs, foam edging, edge sensor, or wireless transmitter recommended by the manufacturer, on the moving barrier arm.
- Ensure barrier arm, when open, does not come in close position to high voltage power wires that may be located above or near the barrier arm gate area.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

To reduce the risk of severe INJURY or DEATH:

- READ AND FOLLOW ALL INSTRUCTIONS.
- NEVER let children operate or play with barrier arm gate system. Keep the remote control away from children.
- ALWAYS keep people and objects away from the barrier arm. NO ONE SHOULD CROSS THE PATH OF THE MOVING BARRIER ARM.
- KEEP BARRIER ARMS PROPERLY MAINTAINED. Read this manual. Have a trained gate systems technician make repairs to barrier arm hardware.
- The entrance is for vehicles ONLY. Pedestrians MUST use separate entrance.

SAVE THESE INSTRUCTIONS.

Safety (continued)

Safety Installation Information

1. Vehicular gate systems provide convenience and security. Gate systems are comprised of many component parts. The gate operator is only one component. Each gate system is specifically designed for an individual application.
2. Gate operating system designers, trained gate systems technicians/installers, and users must take into account the possible hazards associated with each individual application. Improperly designed, installed, or maintained systems can create risks for the user as well as the bystander. Gate system design and installation must reduce exposure to potential hazards.
3. A gate operator can create high levels of force in its function as a component part of a gate system. Therefore, safety features must be incorporated into every gate system design. Specific safety features include:
 - Instructional and Precautionary Signage
 - Photoelectric Sensors (non-contact)
 - Edges Sensors (contact)
4. Install the barrier arm gate operator only when:
 - a. The barrier arm gate operator is appropriate for the construction and the usage class of the barrier arm.
 - b. All exposed pinch points are eliminated or guarded.
5. Do not install signage or anything other than the optional devices such as LEDs, foam edging, edge sensor, or wireless transmitter recommended by the manufacturer, on the barrier arm.
6. The barrier arm gate operator is intended for installation only on passageways used for vehicles. Pedestrians must be supplied with a separate access opening. The pedestrian access opening shall be designed to promote pedestrian usage.
7. Locate the barrier arm gate operator such that persons will not come in contact with the barrier arm during the entire path of travel of the barrier arm.
8. The barrier arm gate operator must be installed in a location so that enough clearance is supplied between the barrier arm and adjacent structures when opening and closing to reduce the risk of entrapment. When the break away arm bracket is utilized, ensure it does not open into pedestrian walkways.
9. Permanently mounted access controls intended for users to activate the barrier arm, must be located at least 6 feet (1.8 m) away from any moving part of the barrier arm gate operator system and where the user is prevented from reaching over, under, around or through the gate system to operate the controls. Outdoor or easily accessible controls shall have a security feature to prevent unauthorized use. Exception: Emergency access controls, only accessible by authorized personnel (e.g. fire, police, EMS), may be placed at any location in the line-of-sight of the gate.
10. For a gate operator utilizing a Stop button, it must be located in the line-of-sight of the gate.
11. A minimum of two (2) WARNING SIGNS shall be installed in the area of the barrier arm. Each warning sign is to be visible by persons located on the side of the barrier arm on which the sign is installed. Two (2) WARNING SIGNS are provided with this operator. See page 41.
12. When a hard wired contact sensor is installed it shall be located and its wiring arranged so the communication between the sensor and the gate operator is not subject to mechanical damage. A wireless edge transmitter kit must be used with the contact edge sensor.
13. A wireless device such as one that transmits radio frequency (RF) signals to the gate operator shall be located where the transmission of the signals is not obstructed or impeded by building structures, natural landscaping or similar obstruction. A wireless device shall function under the intended end-use conditions.

Role of Dealers, Installers, and Trained Gate System Technicians

- Ensure entire barrier arm gate system is designed, manufactured and installed to meet all applicable standards and codes including UL 325.
- Demonstrate the basic functions and safety features of the barrier arm gate system to owners/end users/general contractors, including how to turn off power.
- Leave safety instructions, product literature, installation manual, and maintenance manual with end user.
- Explain to the end users and property owners the importance of testing by a trained gate system technician that includes a routine re-testing of the entire system, including any safety devices, and explain the need for the owners to ensure that this testing is performed monthly.

Safety (continued)

Role of End Users/Property Owners

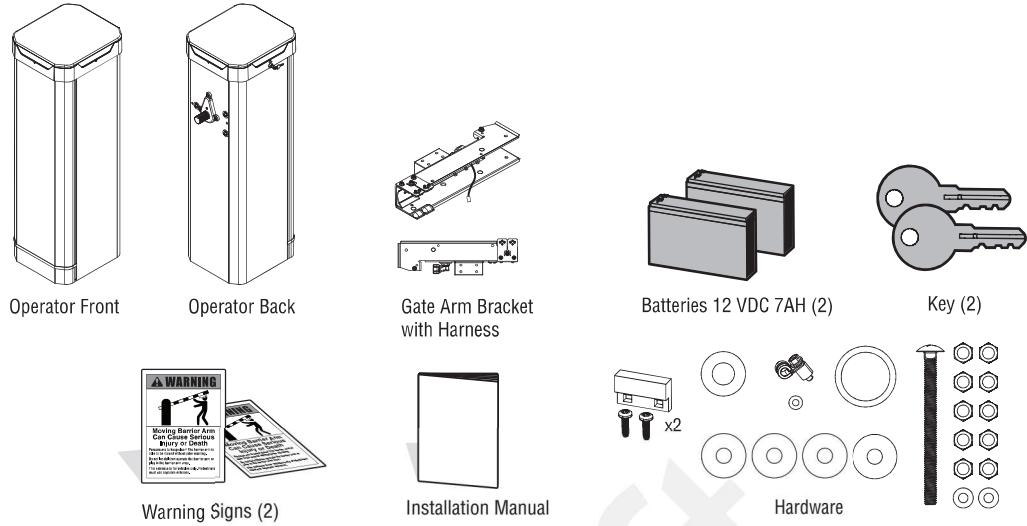
- Contact a trained gate systems technician to maintain and repair the gate system (end users should never attempt to repair the gate system).
- Retain and utilize this installation manual including its maintenance and important safety instructions.
- Routinely check all barrier arm gate operator functions and barrier arm movement.
- Discontinue use if systems operate improperly, the barrier arm or gate operator is damaged, or the barrier arm is difficult to move. Contact trained gate systems technician to repair the barrier arm gate system.
- Prominently display and maintain warning signs on both sides of the barrier arm gate area.

Draft

Introduction

Carton Inventory

NOTE: Operator does not include arm. Please see "Operator and Arm Installation Options" on page 12 for arm selection and operator compatibility below.



Arm Selection (Not Provided)

ATTENTION: MUST ORDER CORRECT LIFTMASTER ARM FOR THE INDIVIDUAL SITE APPLICATION SEPARATELY. ONLY LIFTMASTER ARMS ARE UL CERTIFIED WITH THE OPERATOR.

Straight Arms	Description	Operator Compatibility
BGARM10	10' Functional Length Arm	CBG
BGARM10LED	10' Functional Length Arm w/LED	CBG
BGARM12	12' Functional Length Arm	CBG
BGARM12LED	12' Functional Length Arm w/LED	CBG
BGARM14	14' Functional Length Arm	CBG
BGARM14LED	14' Functional Length Arm w/LED	CBG
PBGARM10	10' Functional Length Arm	PBG
PBGARM10LED	10' Functional Length Arm w/LED	PBG
PBGARM12	12' Functional Length Arm	PBG
PBGARM12LED	12' Functional Length Arm w/LED	PBG
BGARM18	18' Functional Length Arm	IBG
BGARM24	24' Functional Length Arm	IBG

NOTE: LED arms come with one LED strip. The system is designed to use one LED strip/arm.

Articulated Arms	Description	Operator Compatibility
BGARM10ART84	10' Functional Length Arm with 84" Clearance	PBG
BGARM10ART98	10' Functional Length Arm with 98" Clearance	PBG
BGARM12ART84	10' Functional Length Arm with 84" Clearance	PBG
BGARM12ART98	10' Functional Length Arm with 98" Clearance	PBG

NOTE: Clearance height is measured from the base of the operator to the bottom of the articulated arm when in the open position.

