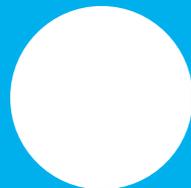


# GARD LT4 – LS4

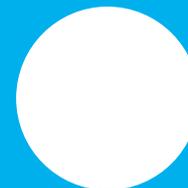
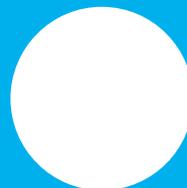
## Automatic Barriers

50<sup>TH</sup>  
ANNIVERSARY

### Product guide



*Copyright 2022 CAME S.p.A.  
All rights reserved*

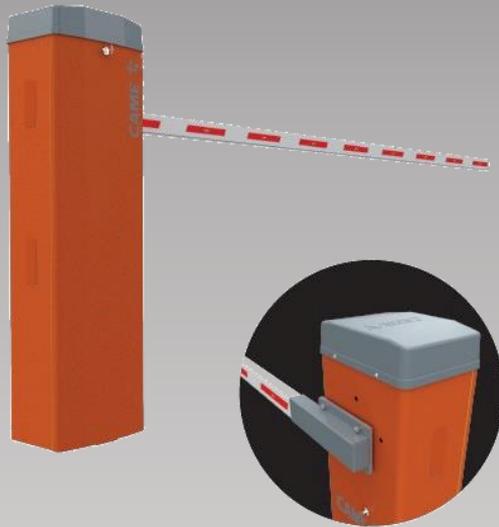


# GARD LT4 – LS4

CAME designs a new classic in access automation

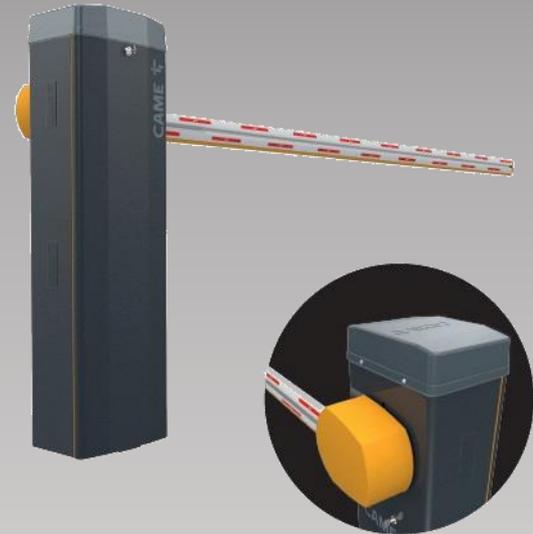
## BARRIER GARD LT4

Up to 4,0 m clearance



## BARRIER GARD LS4

Up to 3,8 m clearance

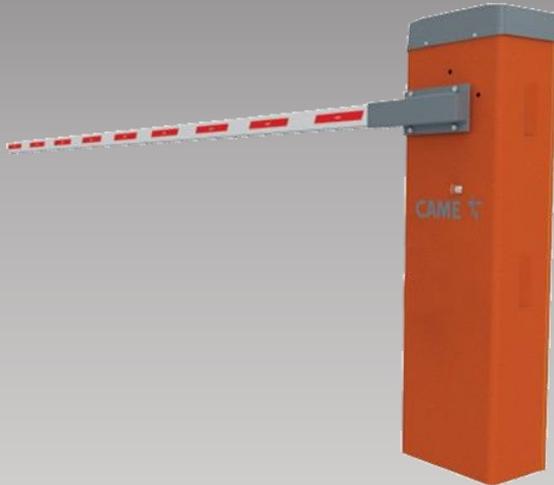


# GARD LT4 – LS4

Different solutions with the same product architecture

## GARD LT4

RAL 2004 colour  
60X40 mm aluminium boom



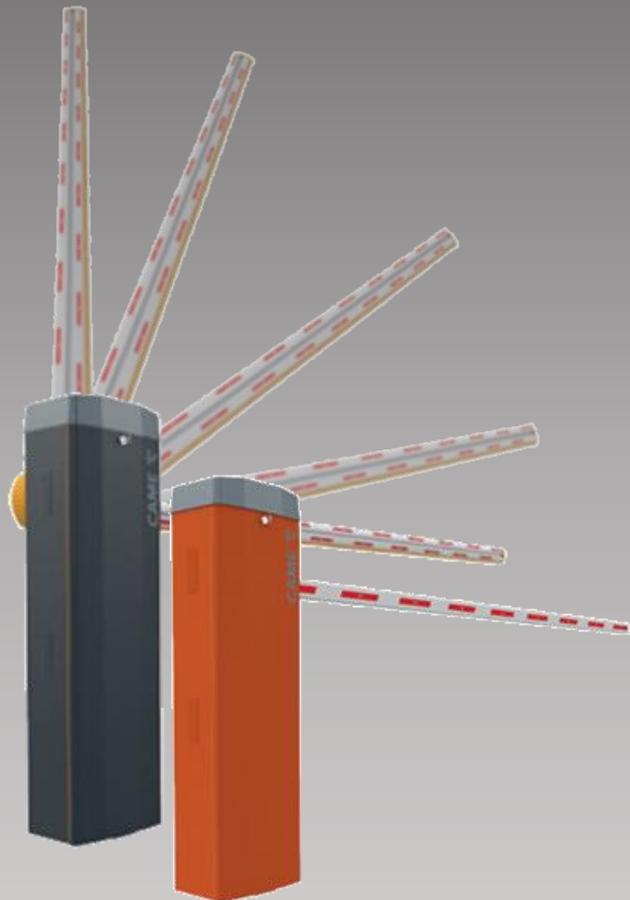
## GARD LS4

RAL 7024 colour  
90X35 mm aluminium boom



# GARD LT4 – LS4

Essential models without compromises



**MCBF**  
**1.500.000 cycles**  
Intensive use up to  
**300 CYCLES/hour**

Discover More...

# INDEX

**1**

**Introduction  
to GARD LT4 - LS4 range**

**2**

**GARD LT4 - LS4 value  
proposition**

**3**

**GARD LT4 - LS4  
accessories**

**4**

**Price list**

**5**

**Line-up benchmark**

**6**

**Marketing Tools**

**7**

**Technical datasheet**

**8**



# GARD LT4 – LS4

Automatic barriers



## BARRIERS GARD LT4 - LS4

GARD LT4 – LS4 are designed to be competitive models without compromises, adopting architecture and solutions from GARD GT.  
**A step up from the old series GARD G3250/3750/4000.**

Slight chassis design in family feeling with GARD GT made of **galvanized and painted steel** (LT4 RAL 2004; LS4 RAL 7024) with accessories predisposition. They are also available in **Stainless Steel** version (Satin finished) or **Customised painting** versions (RAL Custom).

With a clear passage up to **4-meter** they are the ideal solution for contexts **with medium-high traffic flow**.

The **new advanced electronics** offers several control options.

Beside the standard configurations (I/O), GARD LT4 – LS4 are also **remotely settable and controlled** through the CONNECT platform. The control unit has on board the slot for Wi-Fi gateway or CAME KEY, with the possibility to connect and enjoy the wide range of functionality offered by the platform.

For third-party **system integrator** a native RS serial port with **Modbus protocol** is also available, providing (with a Bridge TCP) an Ethernet interface to command or receive feed-back from the barrier.

A wide range of accessories completes the range, like the **downside skirt**, **battery backup system** and for **LS4** model are also available accessories for small parking lots such as the **Articulated Joint boom** (for low ceilings) or the **Breakaway boom system** against accidental impacts.



# GARD LT4 – LS4

Automatic barriers



## BARRIERS GARD LT4 – LS4

The **GARD LT/LS** are tested to be compliant with **European Norms** about impact forces. Standards EN 12453 specify the compliance and safety requirements for automatic closing systems that could be in contact with people. They define all of the technical solutions for securing users' systems.

The 24 V DC gear-motor with **encoder** and the new control board with **Automatic Speed Control** grant an easy management of the forces applied.

To satisfy the most exigent cases, the control board also offers safety test for inputs that allow the use of safety devices such as laser sensors or other similar equipment EN ISO 13849-1 (PI “d” CAT 2); EN 12978; EN 12453 (Device E).



This product is tested in conformity with **EUROPEAN NORMS** on impact forces



# GARD LT4 – LS4

Automatic barriers



## BARRIERS GARD LT/LS

The new **GARD LT/LS** feature an **innovative hi-tech firmware** for movement control, which reduces all potential malfunctions **automatically managing the speed** of the motor based on the boom position. The installer only sets the basic parameters requested during startup, such as the length of the boom and the first calibration. The **firmware measures and adapts constantly** the speed and the deceleration at each cycle thanks to the feed-back provided by the encoder.



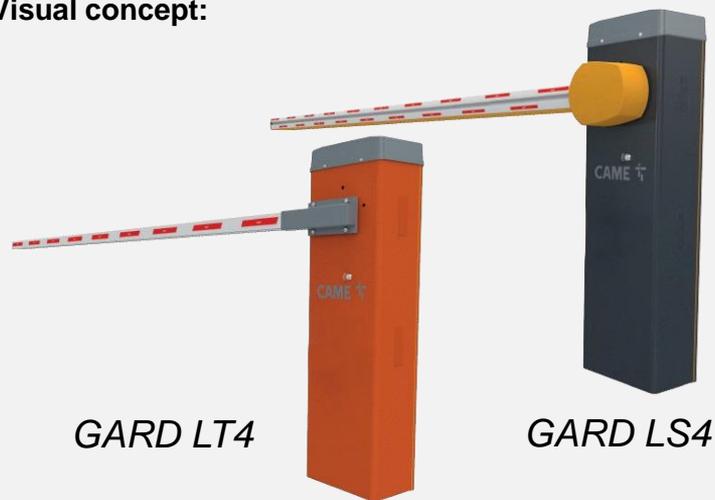
MCBF

1,5 MILLION

- Smooth movement and adaptive deceleration
- Improved obstacle detection
- Greater durability for the product

# BARRIER GARD LT4 – LS4: Macro specifications

## Visual concept:



GARD LT4

GARD LS4

## Technical data

Max clear passage (m)	4m
Opening time	From 2 to 4 sec
Power supply (V)	120 or 230 AC
Temperature (°C)	-20 ÷ +55
Duty cycle	300 cycle/h
MCBF (cycles)	1,5 million

## PLATFORM:

**GARD LT4** from 2,5 to 4 m (basic boom 60X40);

**GARD LS4** from 2,5 to 3,8 m (boom 90X35 with anti-shock rubber profile);

## Main product features:

- **Renewed** design (family feeling with Gard GT)
- Galvanized and painted (**or stainless steel cabinet**)
- Predisposition for **integrated accessories** (e.g. photocells DIR-DXR)
- **Motor 24Vdc** with encoder, power supply 230V or 120V models
- **Control board** positioned on top
- Balancing **green spring** included
- **Battery** backup system
- **Downside Skirt** option
- **Foundation plate retrofit** with G4000/G3750/G3250 series
- **EN Tested** compliant with impact forces
- **Break-away** boom system for LS4
- **Articulated** boom for low ceiling LS4
- **Tubular Ø 60 mm** boom up to 4 m clearance as optional
- **Similar positioning** of G4000

# GARD LT4 – LS4 RANGE

How to read the commercial code

Example:

SAP Code	Description SAP
803BB-0370	GLT40AOS GARD LT4 BARR 230V 24V

1-DIGIT	2-DIGIT	3-DIGIT	4-DIGIT	5-DIGIT	6-DIGIT	7-DIGIT	8-DIGIT
SERIES NAME			ARM dm		POWER/KIT	COLOR	VARIANT
G	P	T	4	0	D= 24V	B=BLUE	F=FAST
G	P	X	4	0	A= 230V	W=WHITE	T=TALL
G	G	T	4	0	T=400V	N=BROWN	S= STANDARD
G	G	T	8	0	R=120V	K=BLACK	P= PARKARE
G	L	T	4	0	K = KIT	Y=YELLOW	C=COOLER
G	L	S	4	0	M=120/230 V	G=GREY	L=IRREVERSIBLE
						R=RED	6= AISI316
						E=GREEN	4= AISI304
						O=ORANGE	B=BRAZIL
						C= CUSTOM	430= AISI430
						X = STAINLESS	

# GARD LT4 – LS4 RANGE

Barriers Phase-in

SKU's (item codes)

SAP Code	SAP Description	Characteristics
803BB-0370	GLT40AOS GARD LT4 BARR 230V 24V	Automatic barrier with irreversible gear-motor 24Vdc with encoder; galvanized and painted steel cabinet with accessories predisposition. Balancing spring included.
803BB-0380	GLT40ROS GARD LT4 BARR 120V 24V	Automatic barrier with irreversible gear-motor 24Vdc with encoder; galvanized and painted steel cabinet with accessories predisposition. Balancing spring included.
803BB-0410	GLS40AGS GARD LS4 BARR 230V 24V	Automatic barrier with irreversible gear-motor 24Vdc with encoder; galvanized and painted steel cabinet with accessories predisposition. Balancing spring included.
803BB-0420	GLS40RGS GARD LS4 BARR 120V 24V	Automatic barrier with irreversible gear-motor 24Vdc with encoder; galvanized and painted steel cabinet with accessories predisposition. Balancing spring included.

# GARD LT4 – LS4 RANGE

Barriers Phase-in: Models powder coated RAL Custom and models with stainless steel cabinet  
MTO (Make-to-order)

Code	Description EN	Characteristics
803BB-0390	GLT40ACS GARD LT4 BARR 230V 24V RALX	Automatic barrier with irreversible gear-motor 24Vdc with encoder; galvanized and painted customized RAL steel cabinet with accessories predisposition. Balancing spring included.
803BB-0400	GLT40AX4 GARD LT4 BARR 230V 24V SS4	Automatic barrier with irreversible gear-motor 24Vdc with encoder; AISI 304 satin steel cabinet with accessories predisposition. Balancing spring included.
803BB-0430	GLS40ACS GARD LS4 BARR 230V 24V RALX	Automatic barrier with irreversible gear-motor 24Vdc with encoder; galvanized and painted customized RAL steel cabinet with accessories predisposition. Balancing spring included.
803BB-0440	GLS40AX4 GARD LS4 BARR 230V 24V SS4	Automatic barrier with irreversible gear-motor 24Vdc with encoder; AISI 304 satin steel cabinet with accessories predisposition. Balancing spring included.

## REQUEST FOR BARRIERS WITH "CUSTOM" PAINTING:

- Only custom painting with "RAL" colors is provided.
- Delivery time is 8-10 weeks from order confirmation.
- "CUSTOM" painting is intended for the cabinet and door only. The top cap and plastic covers painting is not provided.
- For technical reasons, the paint finishing is always the same as the standard model.



## REQUEST FOR STAINLESS STEEL BARRIERS :

- Stainless steel models is intended for the cabinet and door only.
- Delivery time is 8-10 weeks from order confirmation.

# GARD RANGE 2500/3250/3750/4000

Models to be gradually phased-out

<b>G4000</b>	phase-out →	<b>GARD LT4</b>	phase-in ←
<b>Material - Code</b>	<b>Material - Name</b>	<b>Substituted by</b>	<b>DESCRIPTION</b>
001G4000	GARD 4000 BARR 230V 24V MOT	803BB-0370	GARD LT4
001G4000N	GARD 4000 BARR 230V 24V MOT GREY	None	
001G4000X	GARD 4000 BARR 230V 24V MOT RALX	803BB-0390	GARD LT4 RAL X
001G4001	GARD 4000 BARR 230V 24V MOT SS	803BB-0400	GARD LT4 AISI 304
001G4001-316	GARD 4000 BARR 230V 24V MOT 316 SS	None	
001G4010	GARD 4000 BARR 120V 24V MOT	803BB-0380	GARD LT4 120V
001G4010X	GARD 4000 BARR 120V 24V MOT RALX	None	
<b>G3250/3750</b>	phase-out →	<b>GARD LS4</b>	phase-in ←
<b>Material - Code</b>	<b>Material - Name</b>	<b>Substituted by</b>	<b>DESCRIPTION</b>
001G3250	GARD 3250 BARR 230V 24V MOT	None	
001G3750	GARD 3750 BARR 230V 24V MOT	803BB-0410	GARD LS4
001G3750120	GARD 3750 BARR 120V 24V MOT	803BB-0420	GARD LS4 120V
001G3250X	GARD 3250 BARR 230V 24V MOT RALX	None	
001G3750X	GARD 3750 BARR 230V 24V MOT RALX	803BB-0430	GARD LS4 RAL X
001G3751	GARD 3750 BARR 230V 24V MOT 304 SS	803BB-0440	GARD LS4 AISI 304
001G3750120A	GARD 3750 BARR 120V 24V MOT RAL9016	None	
<b>G2500</b>	phase-out →		
<b>Material - Code</b>	<b>Material - Name</b>	<b>Substituted by</b>	<b>DESCRIPTION</b>
001G2500	GARD 2500 BARR 230V 230V MOT	None	
001G2500X	GARD 2500 BARR 230V 230V MOT RAL X	None	

# INDEX

1

Introduction  
to GARD LT4 - LS4 range

2

GARD LT4 – LS4 value  
proposition

3

GARD LT4 - LS4  
accessories

4

Price list

5

Line-up benchmark

6

Marketing Tools

7

Technical datasheet

8



# GARD LT4

Automatic barriers

CLEARANCE

UP TO 4 M

MCBF

1,5 MILLION

DUTY

300 C/H

SPEED

2-4 SEC.

## VALUE PROPOSITION

Application field, mechanical characteristics and new functionalities



- From **2,5 m up to 4 m** clearance with **60X40** mm basic aluminium boom (optional red anti-shock rubber profiles)
- **Tubular Ø 60 mm** boom up to 4 m clearance as optional
- **Galvanized and painted steel** cabinet (RAL 2004) also available in **AISI304** or **Customised painting** version
- Design for **Intensive use up to 300 cycles/hour**
- Models with power supply **230Vac** or **120Vac** versions
- New **24Vdc gear motor with encoder**
- **Compliant with EN standards**: It can easily pass successfully the impact tests
- Great durability **MCBF up to 1,5 million**
- Opening **Speed: 2-4 sec** with 2 to 4-meter boom
- Multifunction control board with **Display and Digital inputs**
- **CAME Connect Ready** electronics and **CAME KEY slot** for smart setup
- White **Strip LED under red rubber profiles** as optional
- Manages **up to 250 users** with RFID card, or digital code, or transmitters
- New **accessories available** to complete the range



CONNECT



24 V



EN TESTED



ENCODER



# GARD LS4

Automatic barriers

CLEARANCE

UP TO 3,8/4 M

MCBF

1,5 MILLION

DUTY

300 C/H

SPEED

2-4 SEC.

## VALUE PROPOSITION

Application field, mechanical characteristics and new functionalities



- From **2,5 m up to 3,8 m** clearance with **90X35 mm** boom, features **anti-shock rubber profile and strip LED predisposition**
- **Tubular Ø 60 mm** boom up to 4 m clearance as optional
- **Galvanized and painted steel** cabinet (RAL 7024) also available in **AISI304** or **Customised painting** version
- Design for **Intensive use up to 300 cycles/hour**
- Models with power supply **230Vac** or **120Vac** versions
- New **24Vdc gear motor with encoder**
- **Compliant with EN standards:** It can easily pass successfully the impact tests
- Great durability **MCBF up to 1,5 million**
- Opening **Speed: 2-4 sec** with 2 to 4-meter boom
- Multifunction control board with **Display and Digital inputs.**
- **CAME Connect Ready** electronics and **CAME KEY slot** for smart setup
- **Red/Green Strip LED** as optional
- Manages **up to 250 users** with RFID card, or digital code, or transmitters
- **Articulated joint and breakaway boom system** for small parking lot applications.



CONNECT



24 V



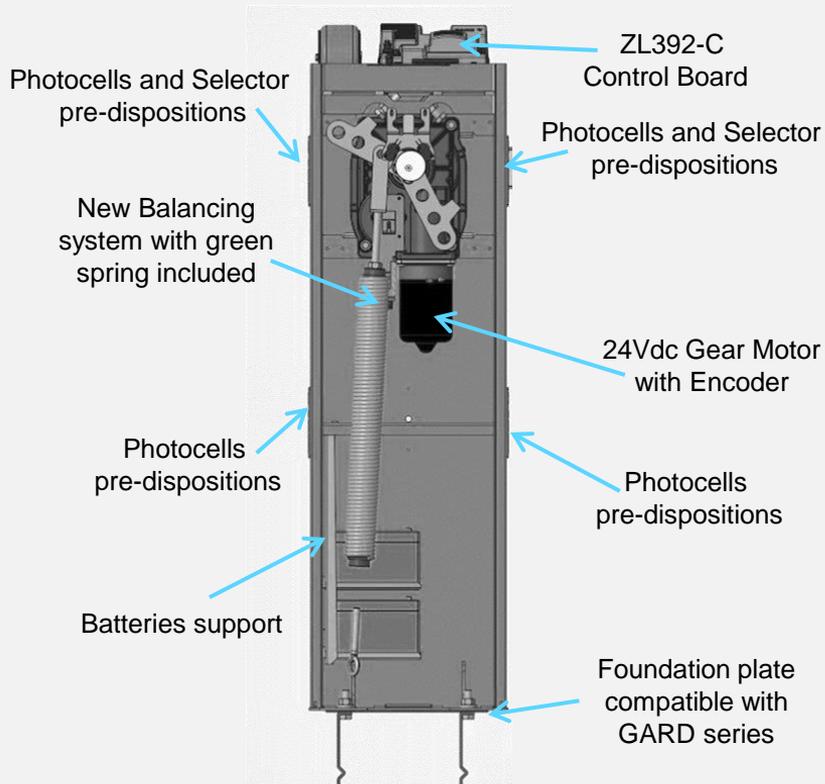
EN TESTED



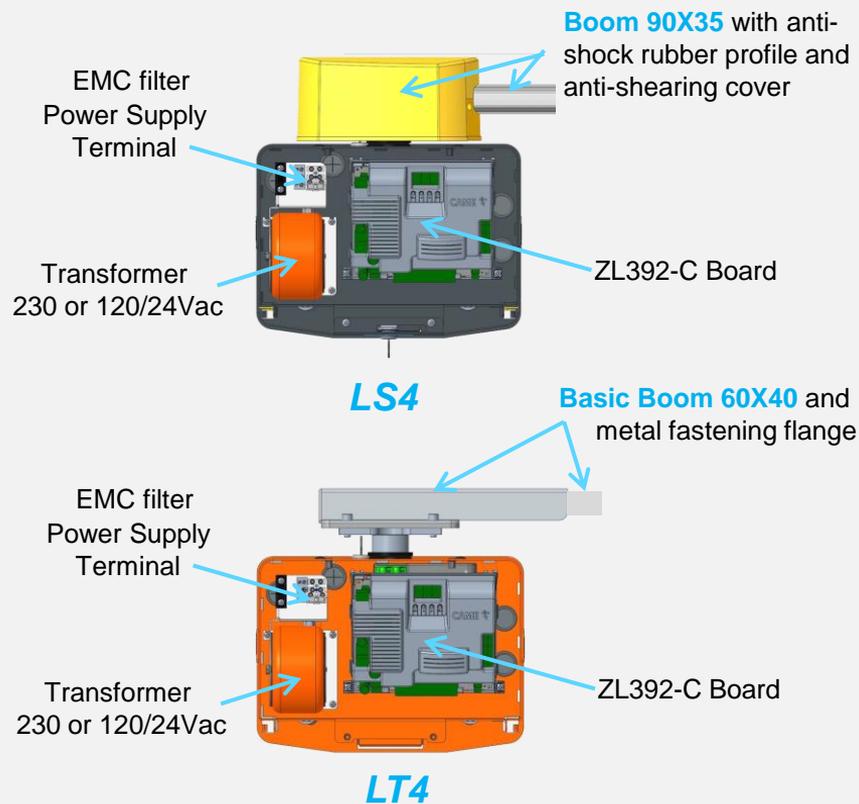
ENCODER

# BARRIER GARD LT4 – LS4: Product layout

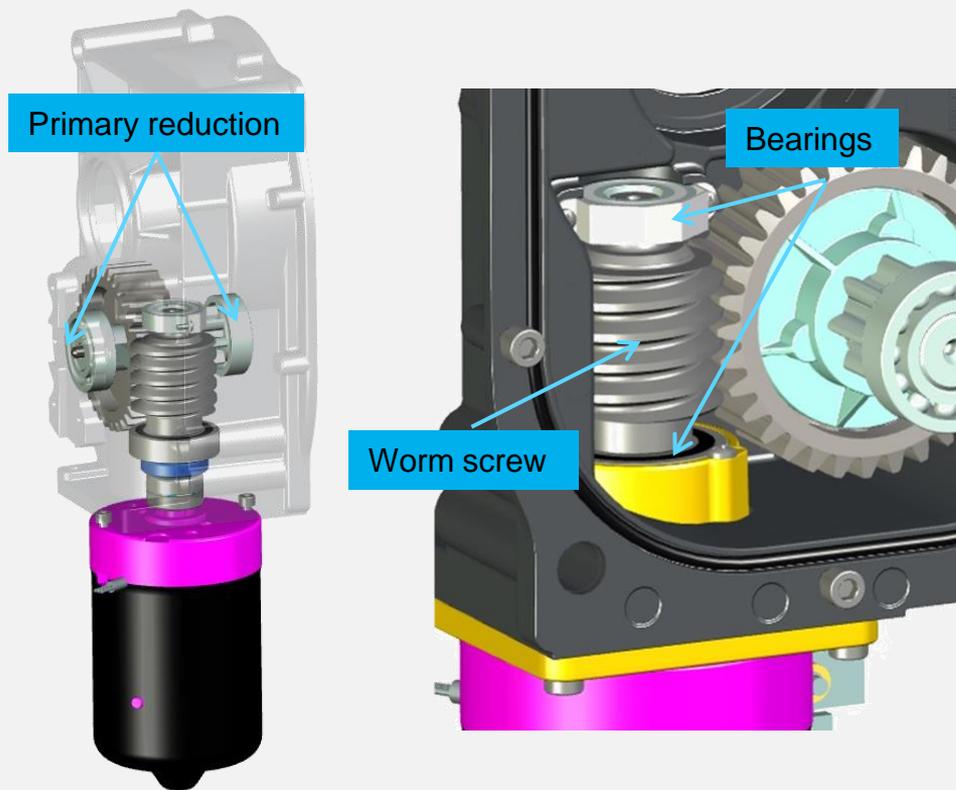
GARD LT4 – LS4 share the **same architecture**



GARD LT4 – LS4 use **different booms and accessories**



# BARRIER GARD LT4 – LS4: New Gear Motor



## Gear motor System:

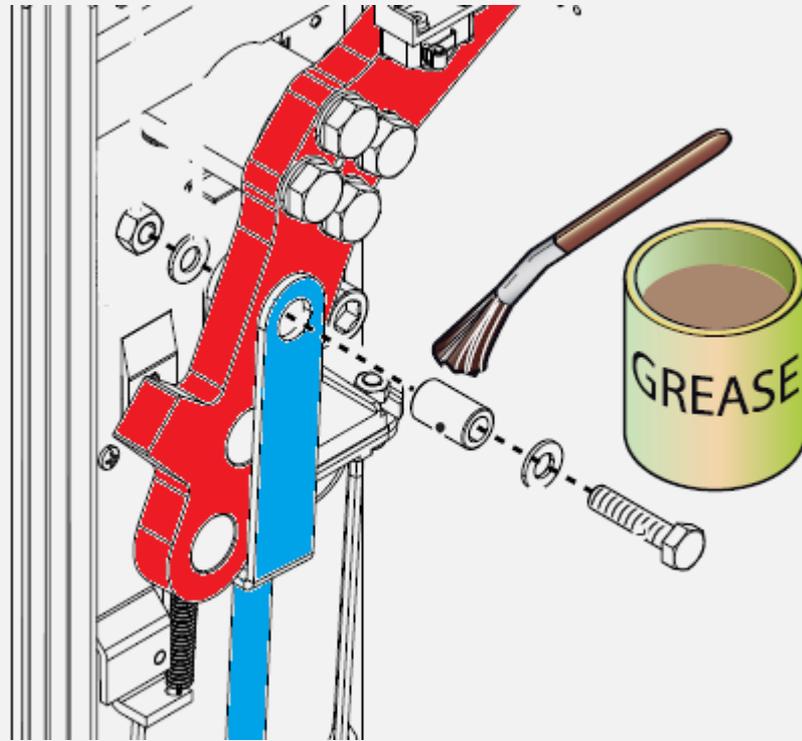
The new gear-motor brings two significant improvements

- The primary reduction removes the manual regulations on the bearing's axis.
- The worm screw is apart from the motor shaft and becomes part of the gearbox. The motor shaft only transmits rotation and get free from axial stresses.

## Benefits:

- Avoid mistakes on gears coupling
- Higher durability for the electric motors
- Possibility to fit easily motors with different size

# BARRIER GARD LT4 – LS4: Balancing system



## Balancing System

The new balancing system allows the use of single **spring** model, already included with the barrier. The balancing spring changes positions on the lever depending the length and weight applied.

### Benefits:

- Avoid mistakes on spring selection.
- Decrease the stock due to different spring models.
- Allows configuration changes without balancing limits.
- Reduce the No. of items to be considered for sales

# BARRIER GARD LT4 – LS4: Easy reversing

NEW

## New architecture and 3-Step setup

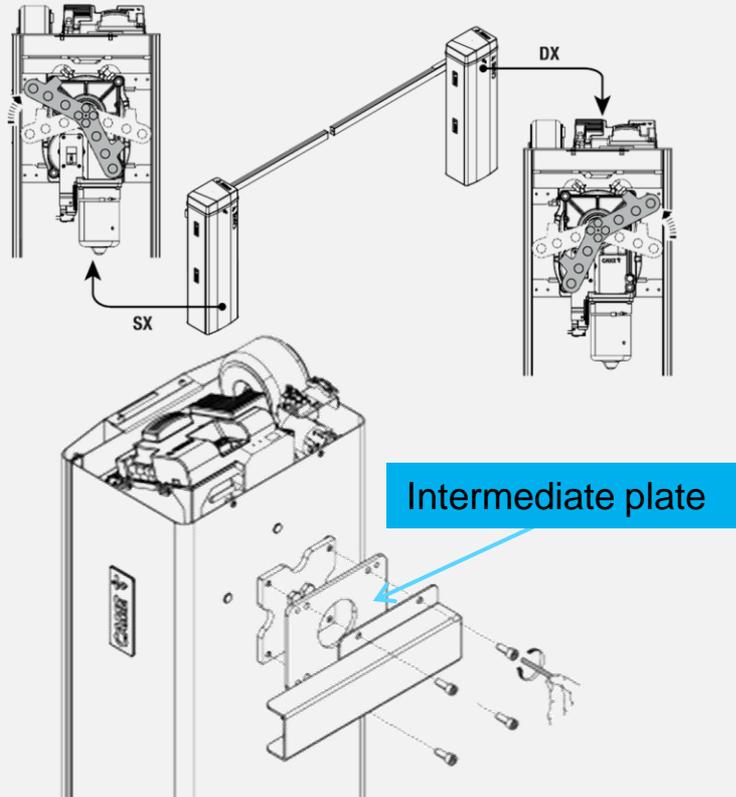
The new architecture allows the easy reversing of the barrier without disassembling any part. The **intermediate plate** helps install the boom right, or left hand, without any additional effort during first installation.

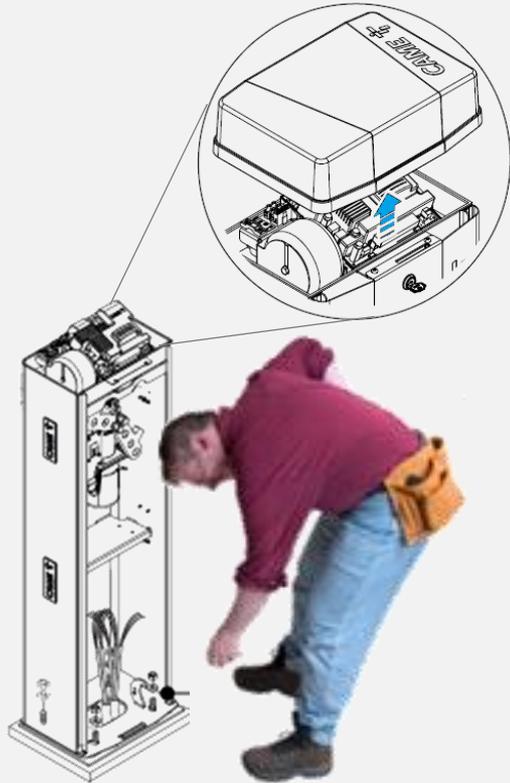
### Then, start it up with three steps only!

- 1) F54: choose the opening direction
- 2) A1: choose the boom length
- 3) A3: run the first calibration

### Benefits:

- No more right/left barriers on pallet
- Decreased damages due to incorrect assembling
- Reduced installation time
- Avoid mistakes during first start up





## Looking for control board?

Control board ZL392-C is placed on top of the cabinet, protected by ABS cover. It allows easy wiring and programming by the 7 segments function display.

## Benefits:

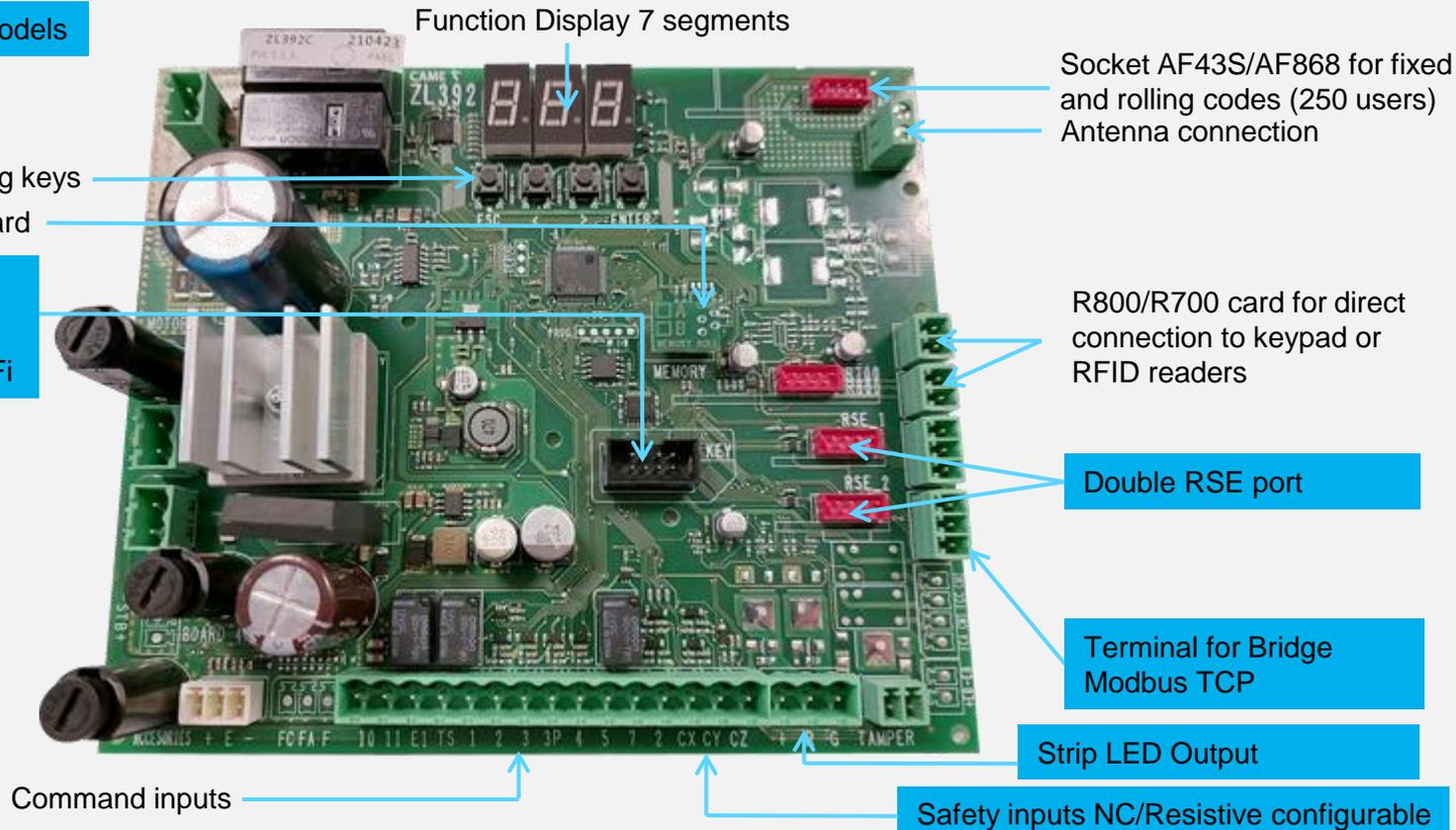
- No more working in critical positions
- Brings terminals and display in an easy-accessible zone
- Reduce mistakes due to incorrect wiring
- Reduced installation time

# BARRIER GARD LT4 – LS4: ZL392-C unit overview

New hardware Vs. old models

Programming keys  
Memory roll Backup card

Terminal for  
CAME KEY  
CAME Gateway Wi-Fi

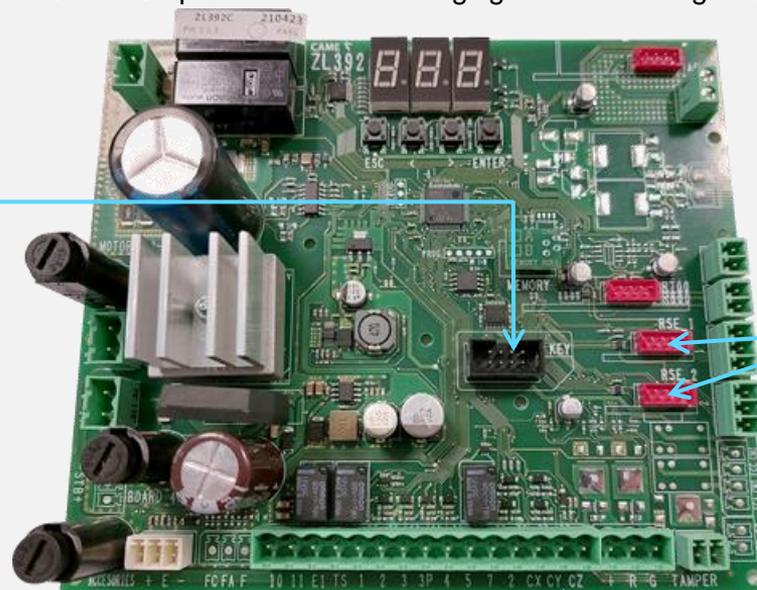


# BARRIER GARD LT4 – LS4: ZL392-C hardware

New hardware Vs. old models

- **CAME KEY – Gateway Wi-Fi port:** allows the use of Came Key and Wi-Fi/Bt gateway
- **Modbus serial port:** allows the use of TCP bridge converter for system integrators
- **Safety inputs resistive:** allows the use of safety edges 8k without additional interface
- **Double RSE port:** allows simultaneous use of CAME Connect also paired, or interlocked barriers connection
- **+RG Output:** allows the use of Red/Green Strip LED or KLT flashing light with traffic light function

Terminal for  
CAME KEY  
CAME Gateway Wi-Fi



Double RSE port for  
CAME Connect and  
Paired/Interlock barriers

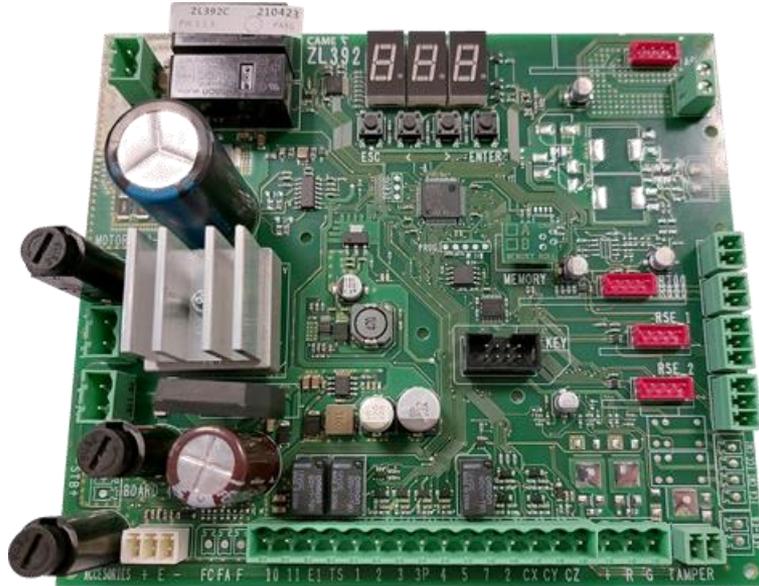
Terminal for Bridge  
Modbus TCP

Safety inputs NC/Resistive configurable

Strip LED Output

# GARD LT4 – LS4: ZL392-C functions (1/2)

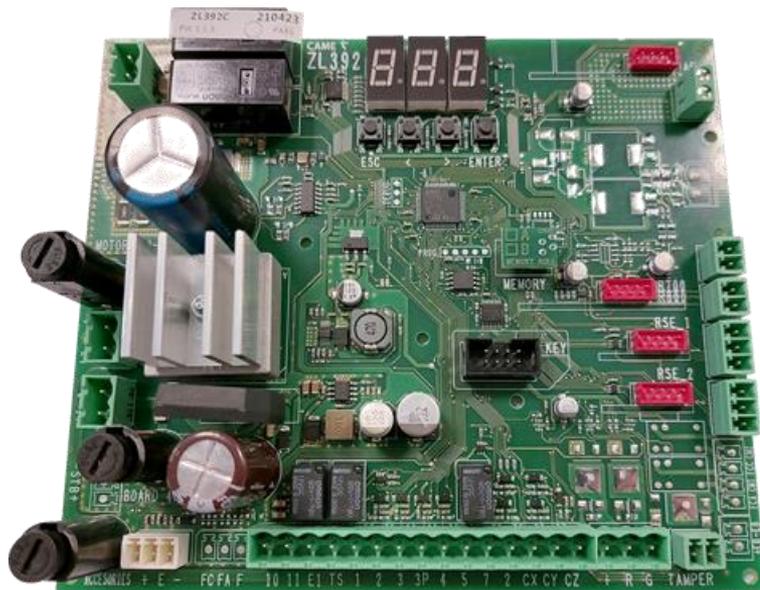
The **ZL392-C** board offers a considerable number of functionalities Vs. previous control board models ZL39, ZL38.



Function Menu	GARD LT/S ZL392-C	G4000 ZL39	G4000 ZL38	Comments
F1 Total Stop	•	•	•	Dip Switch On ZL38
F2 Settable Input CX	•	•	-	Not configurable on ZL38
F3 Settable Input CY	•	•	-	Not configurable on ZL38
F4 Settable Input CZ	•	-	-	Not configurable on ZL38
F5 Safety Test on Inputs	•	•	-	
F6 Hold to Run function	•	•	•	Dip Switch On ZL38
F9 Obstacle on safety Inputs	•	•	•	Dip Switch On ZL38
F10 Settable Signaling Lamp output	•	•	-	Fix on ZL38
F14 Sensor Type	•	•	-	
F18 Output E/E1	•	•	•	
F19 Auto closing time	•	•	•	
F21 Pre-Flashing time	•	•	-	Fix on ZL38
F25 Courtesy Light output time	•	•	-	
F28 Opening Speed	•	•	-	
F29 Closing Speed	•	•	-	
F30 Slowdown speed closing	Automatic	•	-	Automatic setting
F33 Calibration speed	Automatic	•	-	Automatic setting
F31 Slow-down speed opening	Automatic	•	-	Automatic setting
F34 Travel Sensitivity	•	•	•	
F35 Slow-down sensitivity	Automatic	•	-	Automatic setting
F37 Opening Slow-down point	Automatic	•	-	Automatic setting
F38 Opening Slow-down point	Automatic	•	-	Automatic setting

## GARD LT4 – LS4: ZL392-C functions (2/2)

The **ZL392-C** board offers a considerable number of functionalities Vs. previous control board models ZL39, ZL38.



Function Menu	GARD LT/S ZL392-C	G4000 ZL39	G4000 ZL38	Comments
F49 RSE1 RSE2 serial ports	•	•	-	ZL39 has only RS1
F50 Data saving Memory Roll	•	•	-	
F51 Data reading from Memory Roll	•	•	-	
F52 Parameters transfer MASTER-SLAVE	•	•	-	
F54 Opening direction left/right	•	-	-	
F56 CRP ID	•	-	-	
F58 Maintenance setting	•	-	-	
F60 Sleep Mode	-	•	-	
F61 Pre-Flashing open/close/open-close	•	•	-	
F63 Speed RSE1 RSE2	•	-	-	
F75 Opening Counter	•	-	-	
F93 Battery working mode	•	-	-	
U1 New user	•	•	-	
U2 Remove user	•	•	-	
U3 Remove all users	•	•	-	
U4 Radio coding	•	-	-	
U8 Self-Learning Rolling code Transmitters	•	-	-	
A1 Boom Length	•	•	-	
A2 Motor Test	•	•	-	
A3 Travel Calibration	•	•	-	
A4 Reset parameters	•	•	-	
A5 Manouvre Counter	•	•	-	
H1 Version FW	•	•	-	
H3 Password Enable/Disable	•	-	-	

# INDEX

1

Introduction  
to GARD LT4 - LS4 range

2

GARD LT4 – LS4 value  
proposition

3

GARD LT4 - LS4  
accessories

4

Price list

5

Line-up benchmark

6

Marketing Tools

7

Technical datasheet

8

**001G0401**



4-meter boom 60X40  
For LT4

**001G0403**



Red rubber shock profiles  
For LT4

**001G0461**



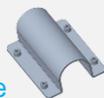
Package of 24 red,  
reflective, adhesive strips.

**001G0402**



4,2-meter tubular boom  
60mm for LT/LS

**803XA-0590**



Fastening flange  
for 001G0402

**803XA-0340**



Aluminium skirt module  
L. 1720 mm

**803XA-0440**



Bracket for mobile  
support and skirt

**803XA-0330**



Mobile Support

**001G02807**



Fix support

**803XA-0580**



Strip LED White for  
001G0401



**001G0401:** White painted aluminum boom 60X40 L.4,2 m (4 m clearance)

**001G0403:** Red shock-resistant rubber profile

**803XA-0580:** White LED Strip Length 4m for boom 001G0401

**001G0461:** Package of 24 red, reflective, adhesive strips



**001G0401**



**001G0403**

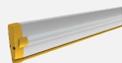


**803XA-0580**



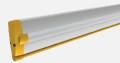
**001G0461**

**803XA-0050**



4-meter boom 90X35  
For LS4

**803XA-0051**



3-meter boom 90X35  
For LS4

**001G0402**



4,2-meter tubular boom  
60mm for LT/LS

**803XA-0570**



Break-Away  
boom system for LS4

**803XA-0560**



Articulated Joint  
for LS4

**803XA-0340**



Aluminium skirt module  
L. 1720 mm

**803XA-0440**



Bracket for mobile  
support and skirt

**803XA-0330**



Mobile Support

**001G02807**



Fix support

**803XA-0160** for 2-meter boom  
**803XA-0150** for 3-meter boom  
**803XA-0020** for 4-meter boom



Strip LED R/G

**803XA-0190**



Connecting kit for  
Strip LED on joint boom

**803XA-0590**



Fastening flange  
for 001G0402

**001G02809**



Package of 20 red,  
reflective, adhesive strips.



**803XA-0050:** White painted aluminum boom 90X35 L.4 m (3,8 m clearance)

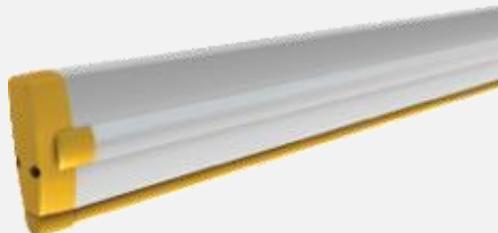
**803XA-0051:** White painted aluminum boom 90X35 L.3 m (2,8 m clearance)

**803XA-0020:** R/G LED Strip for 4-meter 803XA-0050

**803XA-0150:** R/G LED Strip for 3-meter 803XA-0051

**803XA-0160:** R/G LED Strip for 2-meter boom (articulated boom application)

**001G02809:** Package of 20 red, reflective, adhesive strips



**803XA-0050**  
**803XA-0051**



**803XA-0020**  
**803XA-0150**  
**803XA-0160**

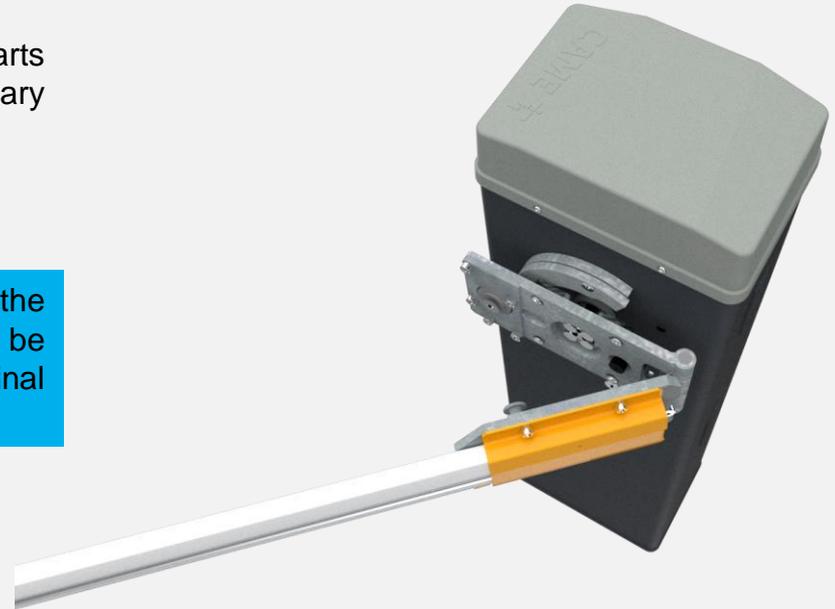


**001G02809**

## 803XA-0570 : Breakaway fastening for boom 90X35

The breakaway boom system prevents breakage of important parts (e.g., chassis or gear-motor) in the event of forced or involuntary impacts against the boom.

The system is complete with magnetic safety contact and blocks all the commands after the impact. The barrier and its functionality can be restored easily in a short time, bringing back the boom in its original position, without requiring specialized technical service.



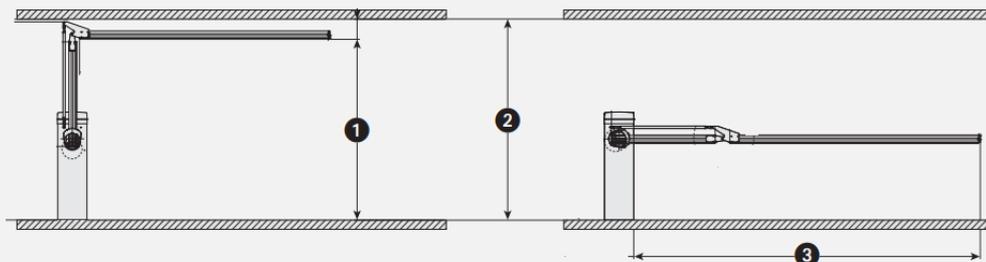
## 803XA-0560 : Articulated Joint for boom 90X35

The articulated joint is made for applications like underground garages.  
The articulation can be adapted to different sizes with a minimum tall ceiling of 2 m.

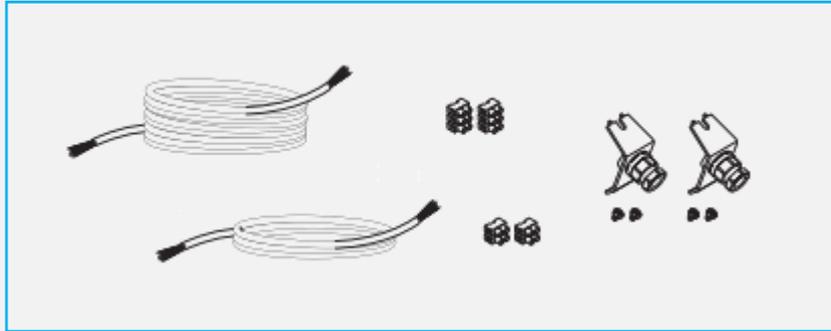
1 = max 2510 - min 1780

2 = max 2730 - min 2000

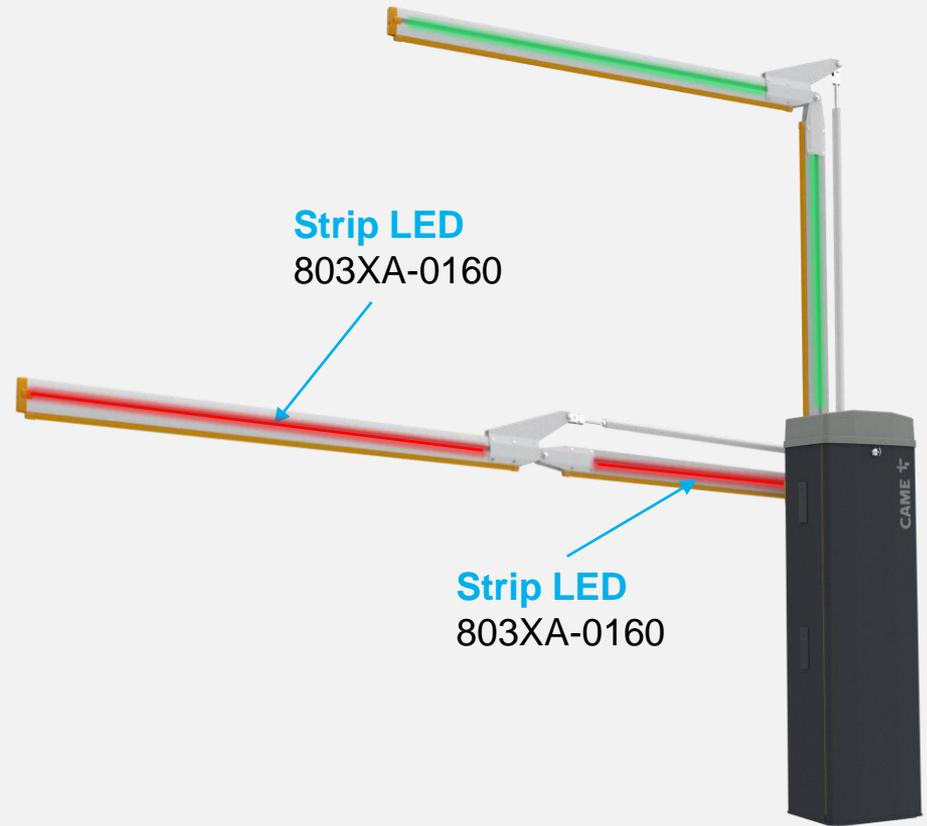
3 = max 3800 - min 2000



**803XA-0190** : Connecting cable kit for strips LED  
(when applied to articulated joint).



The articulated joint allows the use of strip LED on both parts of the articulation. The application consists on using one pc. of connecting cable kit and two pcs. strip LED 803XA-0160, to join the parts and bring power supply from the control board.



**001G02807:** Fix Support offers different regulations in way to be adapted to all the boom sections

**803XA-0330:** Mobile support with rubber stoppers to avoid oscillations during the barrier movement

**803XA-0340:** Aluminium downside skirt module length 1721 mm, with rubber stopper and two connection brackets

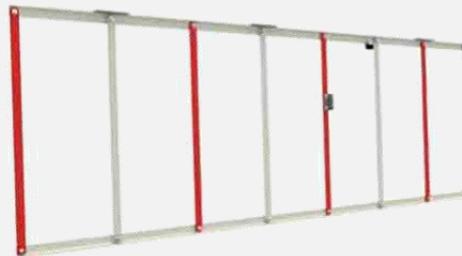
**803XA-0440:** Bracket for mobile support and skirt allows the use of mobile support and skirt simultaneously



001G02807



803XA-0330



803XA-0340



803XA-0440

Available for both models:

**001G0402:** White painted tubular aluminum boom 60mm L.4,2 m (4000 mm clearance)

**803XA-0590:** Fastening flange for boom 60 mm

**001G0461:** Package of 24 red, reflective, adhesive strips



001G0402



803XA-0590

001G0461

# BARRIER GARD LT4 – LS4: Complementary Accessories

**806LA-0060**



KLT LED flashing light

**009SMA**



2 Channels  
Magnetic Loop Detector

**009SMA2**



1 Channel  
Magnetic Loop Detector

**803XA-0290**



Battery charger set

**803XA-0630**



Heater cartridge kit  
up to -40°

**803XC-0020**



Bridge Modbus

**806SA-0110**



CAME KEY

**806SA-0140**



CAME Wi-Fi - BT

**806SA-0160**



I/O Board for PKR systems

**806XG-0030**



Laser Sensor

**806XG-0040**



Power Unit for Laser Sensor

**806XG-0050**



Bracket for Laser Sensor

**803XA-0300**



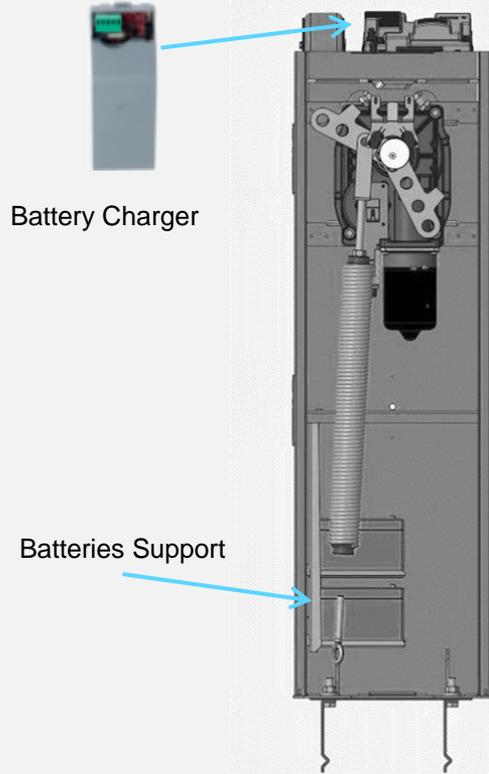
Auxiliary neutral  
Contacts



**806LA-0060** : Red/Green or White LED flashing light for LT4 – LS4.

- Flashing light use connected to output 10-E1 for monocolour red, or green, or white colour.
- Traffic light use must be connected to the output “+RG”.





## **803XA-0290 : Battery Charger Set.**

It contains the charger and the brackets for two pcs. 7Ah batteries (not included).

By the function F93 is possible to set different working mode:

F93= OFF Standard functionally.

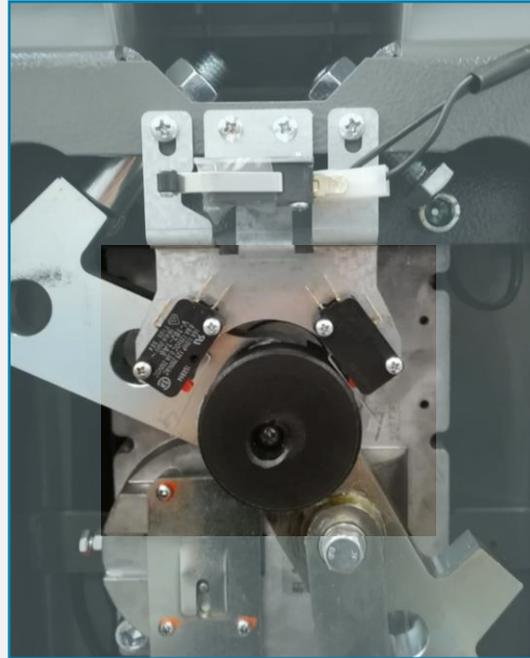
F93= 1 The barrier opens automatically when the main power is off and all commands are disabled until the main power is back.

## 803XA-0300 : Auxiliary contacts kit.

The kit allows an easy integration with system, such as Parking, or Access Control, that require a neutral contact to feed-back the boom position.

The micro-switches are installed on a support bracket and get activated by the cam mounted on the slow shaft.

Contact Max. 24V 1A



## 806SA-0110: CAME KEY

The **GARD LT4 – LS4** feature embedded slot for CAME Key compatibility and offers many advantages for the installer.



### Product Features:

- The installer will use the **CAME Key** to connect his own smartphone to the control board by local connection (Wi-Fi).
- Thanks to the CAME **Setup App**, the setting and the maintenance of the operators will be easy, intuitive and fast.
- Each installer can **backup the setting** on the cloud CAME Connect and retrieve them at any time from any smartphone.

## 806SA-0140: CAME GATEWAY WIFI



The **GARD LT4 – LS4** series features native slot for CAME Gateway Wi-Fi and offer many advantages for the installer.



### Product Features:

The **Gateway Wi-Fi** is a device that allows to connect the automation to your home router and explore all the potential of the CAME Connect cloud.

The device allows you to control the automation through the **APP Automation** for opening and closing commands.

CAME GATEWAY WIFI is **compatible with Alexa**, so you just need to give a vocal command to open, close or ask for the status of your automation.

If a Wi-Fi network is not available, the device can be set as a **Bluetooth selector** allowing you to operate the automation locally with the App AutomationBT.

## 803XC-0020: Bridge Modbus TCP

The control board ZL392-C offers native RS485 with Modbus open protocol **for third party integration**. The bridge converts the native RS485 to TCP signal.

Available the register map for system integrators [Register Map](#)



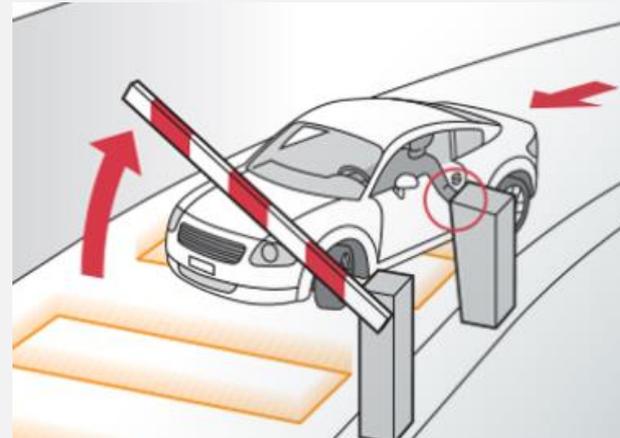
GARD PTX – ZL392C – Modbus register map			
Register address	Register description	Register type	Bit/Value
0000	Device ID	R	0000
0001	Device ID	R	0001
0002	Device ID	R	0002
0003	Device ID	R	0003
0004	Device ID	R	0004
0005	Device ID	R	0005
0006	Device ID	R	0006
0007	Device ID	R	0007
0008	Device ID	R	0008
0009	Device ID	R	0009
000A	Device ID	R	000A
000B	Device ID	R	000B
000C	Device ID	R	000C
000D	Device ID	R	000D
000E	Device ID	R	000E
000F	Device ID	R	000F
0010	Device ID	R	0010
0011	Device ID	R	0011
0012	Device ID	R	0012
0013	Device ID	R	0013
0014	Device ID	R	0014
0015	Device ID	R	0015
0016	Device ID	R	0016
0017	Device ID	R	0017
0018	Device ID	R	0018
0019	Device ID	R	0019
001A	Device ID	R	001A
001B	Device ID	R	001B
001C	Device ID	R	001C
001D	Device ID	R	001D
001E	Device ID	R	001E
001F	Device ID	R	001F
0020	Device ID	R	0020
0021	Device ID	R	0021
0022	Device ID	R	0022
0023	Device ID	R	0023
0024	Device ID	R	0024
0025	Device ID	R	0025
0026	Device ID	R	0026
0027	Device ID	R	0027
0028	Device ID	R	0028
0029	Device ID	R	0029
002A	Device ID	R	002A
002B	Device ID	R	002B
002C	Device ID	R	002C
002D	Device ID	R	002D
002E	Device ID	R	002E
002F	Device ID	R	002F
0030	Device ID	R	0030
0031	Device ID	R	0031
0032	Device ID	R	0032
0033	Device ID	R	0033
0034	Device ID	R	0034
0035	Device ID	R	0035
0036	Device ID	R	0036
0037	Device ID	R	0037
0038	Device ID	R	0038
0039	Device ID	R	0039
003A	Device ID	R	003A
003B	Device ID	R	003B
003C	Device ID	R	003C
003D	Device ID	R	003D
003E	Device ID	R	003E
003F	Device ID	R	003F
0040	Device ID	R	0040
0041	Device ID	R	0041
0042	Device ID	R	0042
0043	Device ID	R	0043
0044	Device ID	R	0044
0045	Device ID	R	0045
0046	Device ID	R	0046
0047	Device ID	R	0047
0048	Device ID	R	0048
0049	Device ID	R	0049
004A	Device ID	R	004A
004B	Device ID	R	004B
004C	Device ID	R	004C
004D	Device ID	R	004D
004E	Device ID	R	004E
004F	Device ID	R	004F
0050	Device ID	R	0050
0051	Device ID	R	0051
0052	Device ID	R	0052
0053	Device ID	R	0053
0054	Device ID	R	0054
0055	Device ID	R	0055
0056	Device ID	R	0056
0057	Device ID	R	0057
0058	Device ID	R	0058
0059	Device ID	R	0059
005A	Device ID	R	005A
005B	Device ID	R	005B
005C	Device ID	R	005C
005D	Device ID	R	005D
005E	Device ID	R	005E
005F	Device ID	R	005F
0060	Device ID	R	0060
0061	Device ID	R	0061
0062	Device ID	R	0062
0063	Device ID	R	0063
0064	Device ID	R	0064
0065	Device ID	R	0065
0066	Device ID	R	0066
0067	Device ID	R	0067
0068	Device ID	R	0068
0069	Device ID	R	0069
006A	Device ID	R	006A
006B	Device ID	R	006B
006C	Device ID	R	006C
006D	Device ID	R	006D
006E	Device ID	R	006E
006F	Device ID	R	006F
0070	Device ID	R	0070
0071	Device ID	R	0071
0072	Device ID	R	0072
0073	Device ID	R	0073
0074	Device ID	R	0074
0075	Device ID	R	0075
0076	Device ID	R	0076
0077	Device ID	R	0077
0078	Device ID	R	0078
0079	Device ID	R	0079
007A	Device ID	R	007A
007B	Device ID	R	007B
007C	Device ID	R	007C
007D	Device ID	R	007D
007E	Device ID	R	007E
007F	Device ID	R	007F
0080	Device ID	R	0080
0081	Device ID	R	0081
0082	Device ID	R	0082
0083	Device ID	R	0083
0084	Device ID	R	0084
0085	Device ID	R	0085
0086	Device ID	R	0086
0087	Device ID	R	0087
0088	Device ID	R	0088
0089	Device ID	R	0089
008A	Device ID	R	008A
008B	Device ID	R	008B
008C	Device ID	R	008C
008D	Device ID	R	008D
008E	Device ID	R	008E
008F	Device ID	R	008F
0090	Device ID	R	0090
0091	Device ID	R	0091
0092	Device ID	R	0092
0093	Device ID	R	0093
0094	Device ID	R	0094
0095	Device ID	R	0095
0096	Device ID	R	0096
0097	Device ID	R	0097
0098	Device ID	R	0098
0099	Device ID	R	0099
009A	Device ID	R	009A
009B	Device ID	R	009B
009C	Device ID	R	009C
009D	Device ID	R	009D
009E	Device ID	R	009E
009F	Device ID	R	009F
00A0	Device ID	R	00A0
00A1	Device ID	R	00A1
00A2	Device ID	R	00A2
00A3	Device ID	R	00A3
00A4	Device ID	R	00A4
00A5	Device ID	R	00A5
00A6	Device ID	R	00A6
00A7	Device ID	R	00A7
00A8	Device ID	R	00A8
00A9	Device ID	R	00A9
00AA	Device ID	R	00AA
00AB	Device ID	R	00AB
00AC	Device ID	R	00AC
00AD	Device ID	R	00AD
00AE	Device ID	R	00AE
00AF	Device ID	R	00AF
00B0	Device ID	R	00B0
00B1	Device ID	R	00B1
00B2	Device ID	R	00B2
00B3	Device ID	R	00B3
00B4	Device ID	R	00B4
00B5	Device ID	R	00B5
00B6	Device ID	R	00B6
00B7	Device ID	R	00B7
00B8	Device ID	R	00B8
00B9	Device ID	R	00B9
00BA	Device ID	R	00BA
00BB	Device ID	R	00BB
00BC	Device ID	R	00BC
00BD	Device ID	R	00BD
00BE	Device ID	R	00BE
00BF	Device ID	R	00BF
00C0	Device ID	R	00C0
00C1	Device ID	R	00C1
00C2	Device ID	R	00C2
00C3	Device ID	R	00C3
00C4	Device ID	R	00C4
00C5	Device ID	R	00C5
00C6	Device ID	R	00C6
00C7	Device ID	R	00C7
00C8	Device ID	R	00C8
00C9	Device ID	R	00C9
00CA	Device ID	R	00CA
00CB	Device ID	R	00CB
00CC	Device ID	R	00CC
00CD	Device ID	R	00CD
00CE	Device ID	R	00CE
00CF	Device ID	R	00CF
00D0	Device ID	R	00D0
00D1	Device ID	R	00D1
00D2	Device ID	R	00D2
00D3	Device ID	R	00D3
00D4	Device ID	R	00D4
00D5	Device ID	R	00D5
00D6	Device ID	R	00D6
00D7	Device ID	R	00D7
00D8	Device ID	R	00D8
00D9	Device ID	R	00D9
00DA	Device ID	R	00DA
00DB	Device ID	R	00DB
00DC	Device ID	R	00DC
00DD	Device ID	R	00DD
00DE	Device ID	R	00DE
00DF	Device ID	R	00DF
00E0	Device ID	R	00E0
00E1	Device ID	R	00E1
00E2	Device ID	R	00E2
00E3	Device ID	R	00E3
00E4	Device ID	R	00E4
00E5	Device ID	R	00E5
00E6	Device ID	R	00E6
00E7	Device ID	R	00E7
00E8	Device ID	R	00E8
00E9	Device ID	R	00E9
00EA	Device ID	R	00EA
00EB	Device ID	R	00EB
00EC	Device ID	R	00EC
00ED	Device ID	R	00ED
00EE	Device ID	R	00EE
00EF	Device ID	R	00EF
00F0	Device ID	R	00F0
00F1	Device ID	R	00F1
00F2	Device ID	R	00F2
00F3	Device ID	R	00F3
00F4	Device ID	R	00F4
00F5	Device ID	R	00F5
00F6	Device ID	R	00F6
00F7	Device ID	R	00F7
00F8	Device ID	R	00F8
00F9	Device ID	R	00F9
00FA	Device ID	R	00FA
00FB	Device ID	R	00FB
00FC	Device ID	R	00FC
00FD	Device ID	R	00FD
00FE	Device ID	R	00FE
00FF	Device ID	R	00FF





## 009SMA/009SMA2: Magnetic Loop Detector 1, or 2 channels

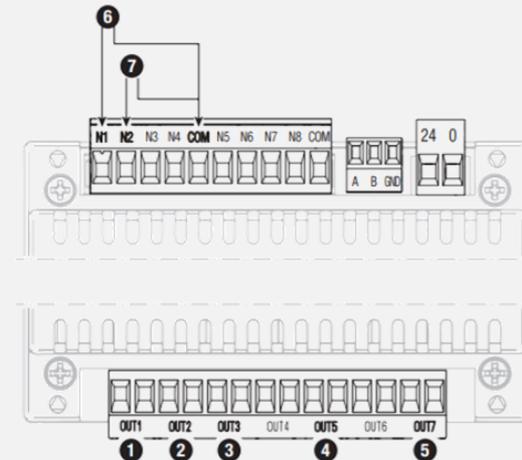
The magnetic loop Detector is commonly used to detect presence and give opening commands or act as safety and reclose signal. Available one channel or double channel powered **24V**.



## 806SA-0160: I/O board

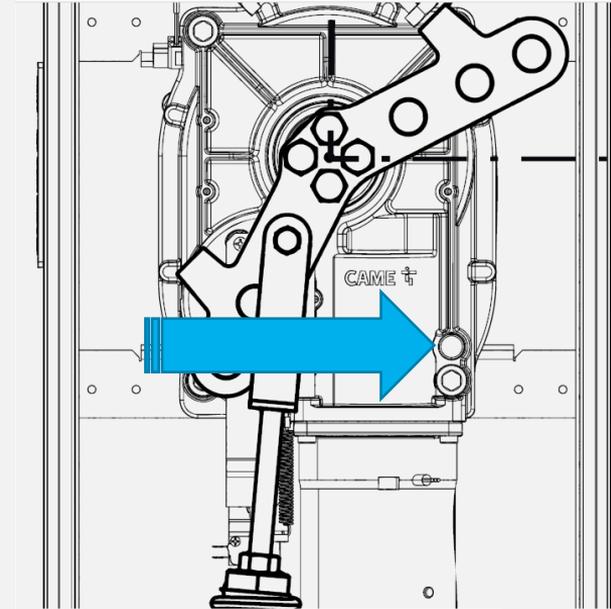
The **I/O board** can be used as an optional in case the GARD LT4 – LS4 barrier need to be installed **with PARKARE PARKING SYSTEM**. The board offers several neutral outputs for barrier feed-back and two digital inputs for OPEN and CLOSE separate commands. It can be connected directly to RSE 2 and be set as CRP by F49.

- ❶ Contact output indicating obstacle detection
  - ❷ Contact output indicating open boom
  - ❸ Contact output indicating closed boom
  - ❹ Contact output indicating inspection hatch open or gearmotor unlocked or boom drop-away (where the barrier has a detachable boom attachment)
  - ❺ Contact output indicating CX input status
  - ❻ Input for connecting a button with OPEN ONLY function (COM-N1)
  - ❼ Input for connecting a button with CLOSE ONLY function (COM-N2)
- 📖 Each output is a dry contact (NO) with maximum capacity 1A – 24 V DC.



## 803XA-630: Heater Cartridge kit

Cartridge heater for GARD LT4 – LS4 series. To be installed directly on gearmotor predisposition.  
Includes thermostat and allows optimal working conditions **up to - 40° C**



## 806XG-0030: Laser sensor

The Laser sensors is an accessory certified **EN ISO 13849-1 (PI “d” CAT 2); EN 12978; EN 12453 (Device E)**. It is used to satisfy the most exigent cases when it is not possible to perform impact tests required by the Norms. The ZL392 control board offers safety test for inputs that allow the use of such important safety devices.



806XG-0030  
Laser sensor



806XG-0040  
Power unit



806XG-0050  
Bracket

# INDEX

1

**Introduction  
to GARD LT4 - LS4 range**

2

**GARD LT4 – LS4 value  
proposition**

3

**GARD LT4 - LS4  
accessories**

4

**Price list**

5

**Line-up benchmark**

6

**Marketing Tools**

7

**Technical datasheet**

8

# GARD LT4 – LS4 RANGE

## Export Price List L22

GARD LT4-LS4 BARRIERS			
Code	Description	Model	Price L22 2022
803BB-0370	GLT40AOS GARD LT4 BARR 230V 24V	LT4	1.469 €
803BB-0380	GLT40ROS GARD LT4 BARR 120V 24V	LT4	1.469 €
803BB-0390	GLT40ACS GARD LT4 BARR 230V 24V RALX	LT4	1.869 €
803BB-0400	GLT40AX4 GARD LT4 BARR 230V 24V SS4	LT4	TBD
803BB-0410	GLS40AGS GARD LS4 BARR 230V 24V	LS4	1.499 €
803BB-0420	GLS40RGS GARD LS4 BARR 120V 24V	LS4	1.499 €
803BB-0430	GLS40ACS GARD LS4 BARR 230V 24V RALX	LS4	1.899 €
803BB-0440	GLS40AX4 GARD LS4 BARR 230V 24V SS4	LS4	TBD

**Note:** the balancing spring is included  
LT4 – LS4 Qty. pallet pcs. 8

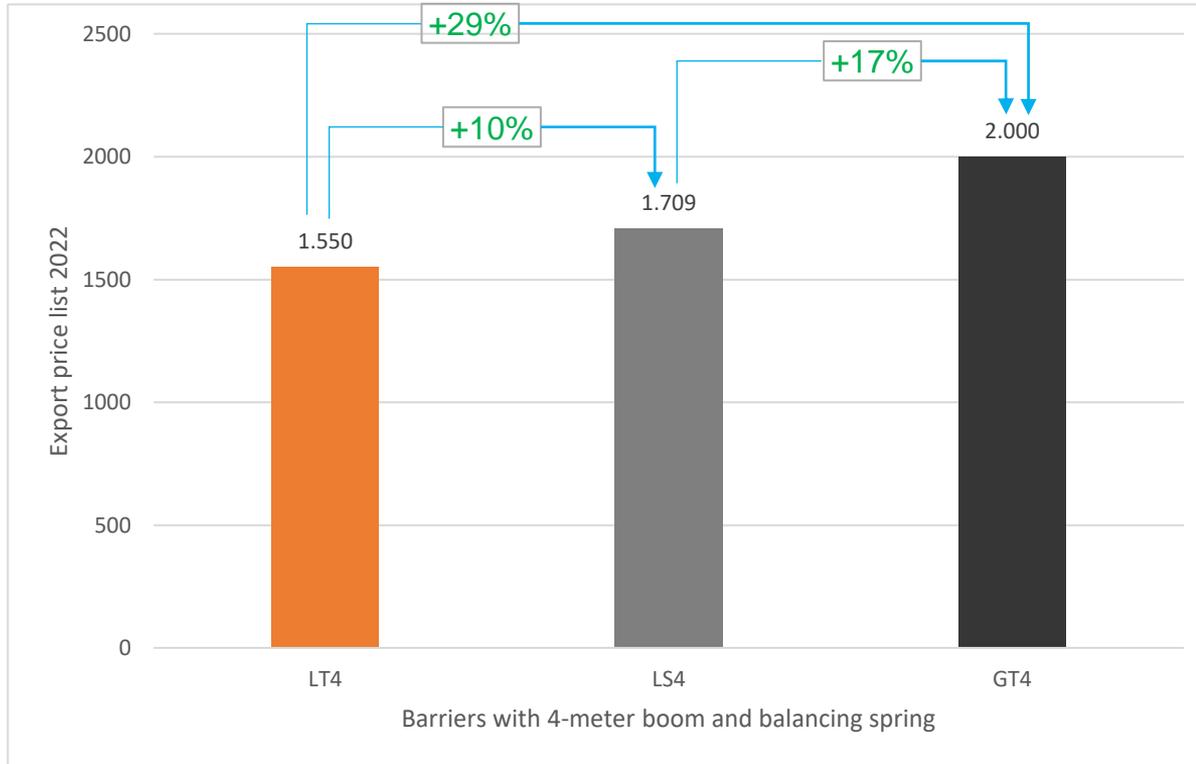
# GARD LT4 – LS4 RANGE

## Export Price List L22

GARD LT4-LS4 ACCESSORIES			
Code	Description	Model	Price L22 2022
001G0401	BOOM 60X40	LT4	80,5 €
001G0403	RED RUBBER ANTI-SHOCK PROFILE	LT4	67,1 €
001G0461	RED ADHESIVE STRIPS	LT4	22,0 €
803XA-0580	WHITE STRIP LED FOR BOOM60X40 4M	LT4	90,0 €
803XA-0050	BOOM 90X35 L.4050 MM	LS4	209,7 €
803XA-0051	BOOM 90X35 L.3050 MM	LS4	163,8 €
001G02809	RED ADHESIVE STRIPS	LS4	23,2 €
803XA-0020	LED STRIP FOR 4M BOOM	LS4	131,0 €
803XA-0150	LED STRIP FOR 3M BOOM	LS4	120,1 €
803XA-0160	LED STRIP FOR 2M BOOM	LS4	98,3 €
803XA-0190	KIT CONNECTION FOR STRIP LED FOR JOINT	LS4	74,5 €
803XA-0570	BREAKAWAY FASTENING FOR BOOM 90X35 LS4	LS4	545,0 €
803XA-0560	ARTICULATED JOINT FOR BOOM 90X35 LS4	LS4	499,0 €
803XA-0590	FLANGE FOR TUBULAR BOOM 60MM LT4 LS4	LT4/LS4	50,0 €
001G0402	TUBULAR BOOM 60 MM	LT4/LS4	81,7 €
001G02807	FIXED SUPPORT FOR BOOM	LT4/LS4	95,2 €
803XC-0020	BRIDGE MODBUS TCP/RTU GARD P	LT4/LS4	414,9 €
803XA-0300	GT4 LT-LS4 AUX.CONTACTS FOR BOOM POSITION	LT4/LS4	54,6 €
803XA-0290	GARD GT4 LT-LS4 BATTERY CHARGER SET	LT4/LS4	128,8 €
803XA-0330	MOBILE SUPPORT FOR BOOMS 90X60 130X85	LT4/LS4	128,8 €
803XA-0340	SKIRT FOR BOOM 90X60 130X85	LT4/LS4	183,4 €
806SA-0160	I/O BOARD	LT4/LS4	151,8 €
803XA-0440	HOOKING BRACKET MOBILE REST AND SKIRT	LT4/LS4	53,5 €
009SMA	LOOP DETECTOR 1 CH	LT4/LS4	252,1 €
009SMA2	LOOP DETECTOR 2 CH	LT4/LS4	354,5 €
806LA-0060	KLT LED FLASHING LIGHT	LT4/LS4	TBD
803XA-0630	KIT HEATER CARTRIDGE	LT4/LS4	148,0 €

# GARD LT4 – LS4 RANGE

New positioning for range of barriers up to 4-meter: **prices including boom and balancing spring**



Export Price List  
June 2022

# INDEX

1

Introduction  
to GARD LT4 - LS4 range

2

GARD LT4 – LS4 value  
proposition

3

GARD LT4 - LS4  
accessories

4

Price list

5

Line-up benchmark

6

Marketing Tools

7

Technical datasheet

8

# GARD LT4 – LS4

Line up Benchmark barriers up to 4-meter boom



	Speed	MCBF [Mln]	Duty cycle	Design	Cabinet	S Steel	Barrier light	Boom light	
<b>NEW</b>	LT4	2-6 s	1.5	300 Cycle/h	***	Galvanized Steel	Y	Add on	Y / White
<b>NEW</b>	LS4	2-6 s	1.5	300 Cycle/h	****	Galvanized Steel	Y	Add on	Y / R-G
	G4000/3750	2-6 s	1	Intensive	**	Galvanized Steel	Y	Add on	Y / White
	GIOTTO BT A30	4.0 s	N.A.	Intensive	**	Galvanized Steel	N	Add on	Y / White
	MOOVI 30	4.0 s	N.A.	Intensive	**	Galvanized Steel	N	Add on	Y / White
	GIOTTO BT A ULTRA 36	2.2-4 s	N.A.	Intensive	****	Galvanized Steel	N	Integrated	Y / R-G
	WIDES	4.0 s	0.5	100 Cycle/h	**	Galvanized Steel	Y	N	Y / (White)
	S4BAR	4.0 s	0.5	100 Cycle/h	****	Galvanized Steel	Y	Integrated	Y / (White)
	B614	2-6 s	0.5	Intensive	***	Galvanized Steel	N	Integrated	Y / R-G

# INDEX

1

Introduction  
to GARD LT4 - LS4 range

2

GARD LT4 – LS4 value  
proposition

3

GARD LT4 - LS4  
accessories

4

Price list

5

Line-up benchmark

6

Marketing Tools

7

Technical datasheet

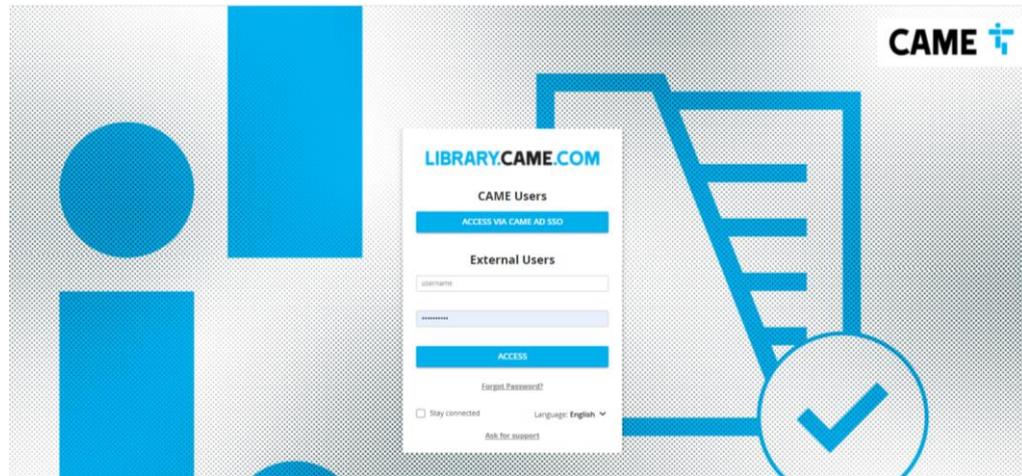
8

# GARD LT4 – LS4: MARKETING TOOLS

What will be available soon on [LIBRARY.CAME.COM](https://library.came.com)

## Toolbox:

- Commercial tutorial
- Product Video
- Depliant
- Landing page for website
- Post for social media
- Advertising page
- Pictures
- 3D render



# INDEX

1

Introduction  
to GARD LT4 - LS4 range

2

GARD LT4 – LS4 value  
proposition

3

GARD LT4 - LS4  
accessories

4

Price list

5

Line-up benchmark

6

Marketing Tools

7

Technical datasheet

8

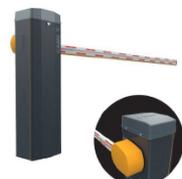
# GARD LT4 – LS4: DATASHEET

At the link [GARD LT4 LS4 Datasheet](#) is available the datasheet for barriers GARD LT4 and LS4. The document aims to summarize the performances and the main characteristics of the product in way to allow an easy understanding of its potential and its role as part of other systems. At the following link the barriers drawings in “dwg” and “stp” format: [GARD LT4-LS4-Drawings](#)

CAME 



GARD LS4 automatic barrier up to 3.8-meter clearance - datasheet



- Designed for intensive use – 300 cycles/h
- Great durability MCBF up to 1,5 million
- 24Vdc gear motor with encoder
- Compliant with EN 12453 impact detection
- Supports Connect Technology

## MAIN PRODUCT CHARACTERISTICS

Automatic barrier with movable boom for passages up to 3.8 meters clearance, with IP 54 protection rating and operating temperature from -20 ° to + 55 ° C (-40 ° + 55 ° C with heater cartridge). The barrier is made of galvanized steel sheet chassis 2 mm thick and front door 1.5 mm thick painted with polyester powder RAL 2004, gear motor, control panel, transformer, base for anchoring to the floor and balancing spring. It is also available in versions with custom RAL painted cabinet, or in stainless steel. The installation and maintenance of the system is made in total safety through a movable door, protected by a DIN cylinder lock, which allows access to the internal components of the cabinet. The irreversible gear motor consists of a brush motor with encoder at 24Vdc/190W, with a torque of 140 Nm. It guarantees an adjustable opening time from 2-6 seconds, based on the length of the boom and the accessories applied up to a maximum use of 300 cycles / hour - Max. 9400 cycles/day. The anchoring base is made of galvanized sheet metal suitably shaped to allow the passage of electrical power and control cables, complete with four anchors to be immersed in the concrete pad prepared for installation. The release system of the gear motor is guaranteed by external key lock, present on the opposite side of the access door. The accessory “boom” is available in 3 or 4-meter lengths, made of 90x35 mm white painted extruded aluminum, with anti-shock passive rubber profile. The wind resistance capacity of the boom (4 m) is: Class 3 in reference to the EN 13241-1 standard. The balancing system is made using an adjustable spring, included. The detection of the opening and closing limit points and the speed management are made automatically, using encoder technology, which defines the limits within which to perform an appropriate deceleration and detect any impacts with obstacles. The barrier detects and manages any impact in full compliance with the parameters dictated by the EN 12453 standard. The control panel is positioned on the top of the cabinet, in the front position and protected by a plastic cover and cable glands for wiring. The control panel is powered at 24Vac, equipped with digital inputs for commands/safety and outputs for powering accessories at 24Vac. The control panel also offers a RS 485 serial port with MODBUS protocol useful for integration with third-party systems. The GARD LS4 barrier has been designed for a type of use expressed with the MCBF data, up to 1.5 million cycles. The data must be considered in compliance with the recommendations and maintenance contained in the installation manual: [GARD LS4 Manual Instruction](#)

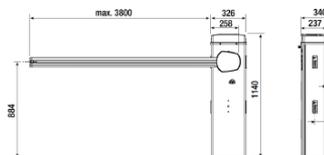
CAME 

## OPTIONAL ACCESSORIES

- Commands: Fixed or Rolling Code transmitters/receivers, keypads, RFID readers, up to 250 users
- Presence/Safety: Infrared photocells, Laser Sensor CAT-2, Metal loop detectors
- Light signalling: Strip LED red/green along the boom, KLT Flashing light above the top cap
- Supports for the boom, mobile or fixed
- Downside skirt to prevent unauthorized pedestrian passages
- Boom position neutral contact kit for access control, or parking systems
- Breakaway boom attachment prevents damages to the barrier
- Articulated joint for application with low ceiling
- Tubular boom Ø 60 mm, Length 4,2 m
- Battery backup kit, guarantees functionality during power breakout
- Bridge Modbus TCP/RTU for third party integration
- Wi-Fi, GSM, Bluetooth gateways for remote control and setup

## TECHNICAL DATA

MODELS	LS4000S	LS4000C	LS4000E	LS4000M
Power supply (V) - 50/60 Hz	230-230 AC	130 AC	230-230 AC	230-230 AC
Maximum control flow (Hz)	15.6	8	15.6	15.6
Motor power supply (V)	24 DC	24 DC	24 DC	24 DC
Standby consumption (W)	7	7	7	7
Power (W)	300	300	300	300
Operating temperature (°C)	-20 ÷ +55 (-40 with boom Ø 60 (P060))			
Torque (Nm)	140	140	140	140
Opening time at 90° (s)	2 ÷ 6	2 ÷ 6	2 ÷ 6	2 ÷ 6
Cyclical use	300	300	300	300
Optimised	3400	3400	3400	3400
Protection rating IP	54	54	54	54
Insulation class	I	I	I	I
Weight (kg)	56	56	56	56
Storage temperature (°C)	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

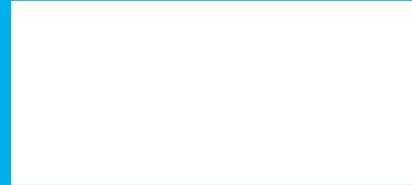


The content of these slides (hereinafter “Content”) is protected under Italian laws regarding IPR and shall have to be used exclusively for internal, not commercial, use by third parties to whom such Content has been shown during products introduction, training courses, or for other purposes anyway related to the business of CAME S.p.A. or companies belonging to the group CAME (hereinafter “CAME”).

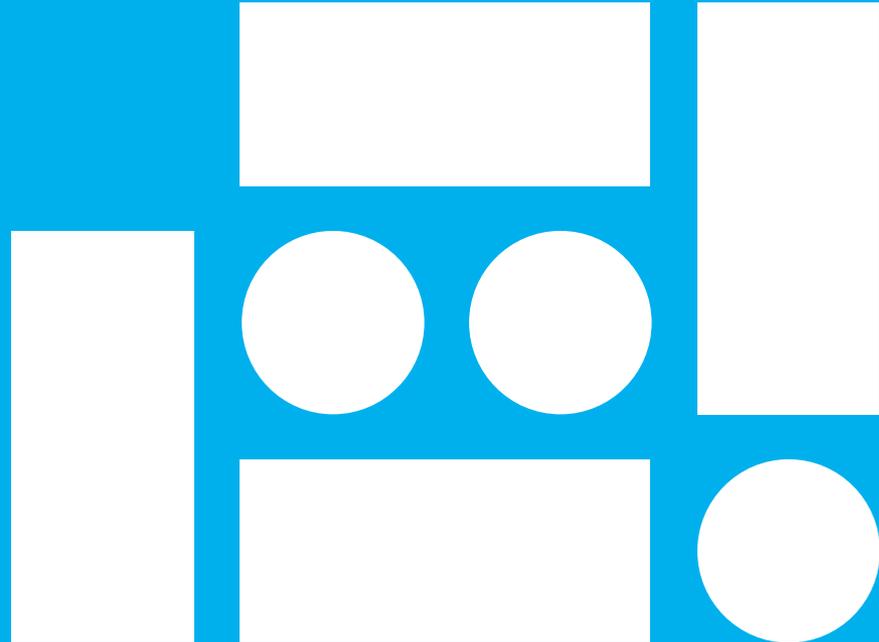
Therefore such third parties shall not have the right to assign or disclose such Content through any mass media or in a public way whatsoever, being understood that the use of such information is authorized for internal purposes only.

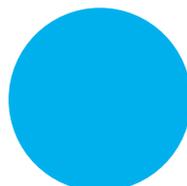
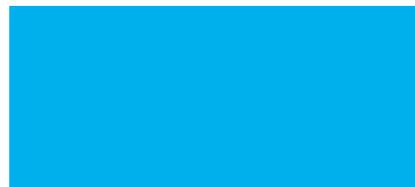
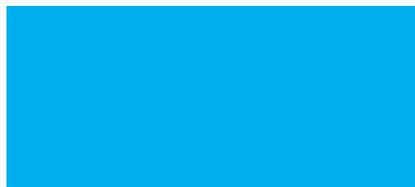
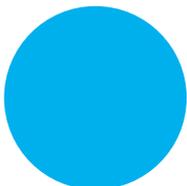
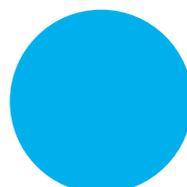
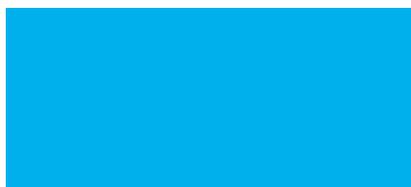
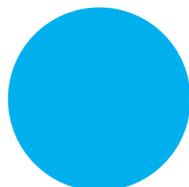
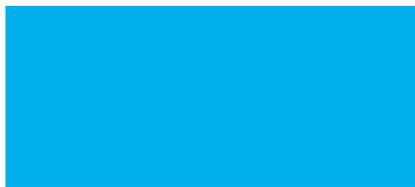
It is expressly forbidden to copy and to disclose the Content through any means whatsoever (electronic, mechanical, copies) for purposes different from those authorized herein.

Even if the Content has been obtained from reliable sources CAME does not warrant and shall not be responsible in anyway whatsoever regarding the correctness, sufficiency and completeness of the Content.



*Copyright 2022 CAME S.p.A.  
All rights reserved*





**THANKS  
FOR YOUR  
ATTENTION**

**CAME S.p.A.**

Via Martiri della Libertà, 15  
31030 Dosson di Casier (TV)

**T** +39 0422 4940

**F** +39 0422 4941