

# Barrier **gate operating** systems.

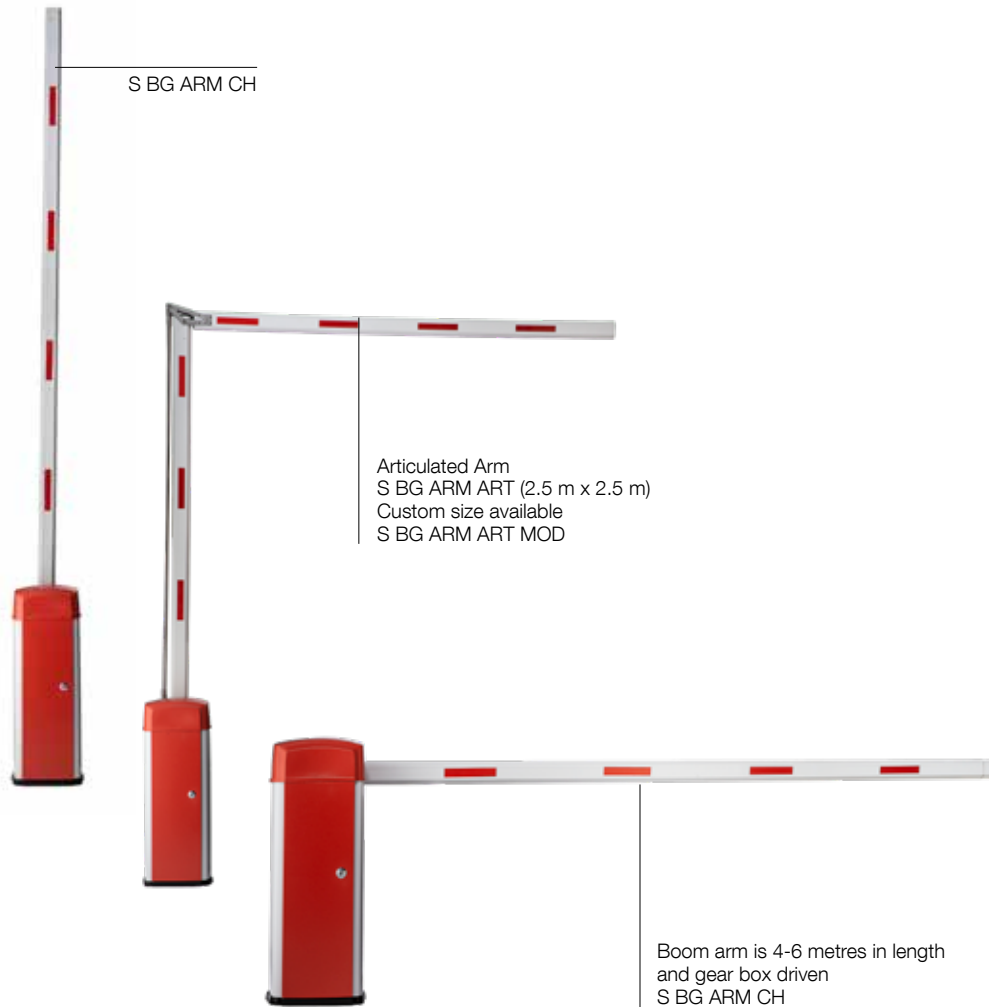
2019

**gds**  
gate drive systems australia

**Nice**

# GDS Barrier

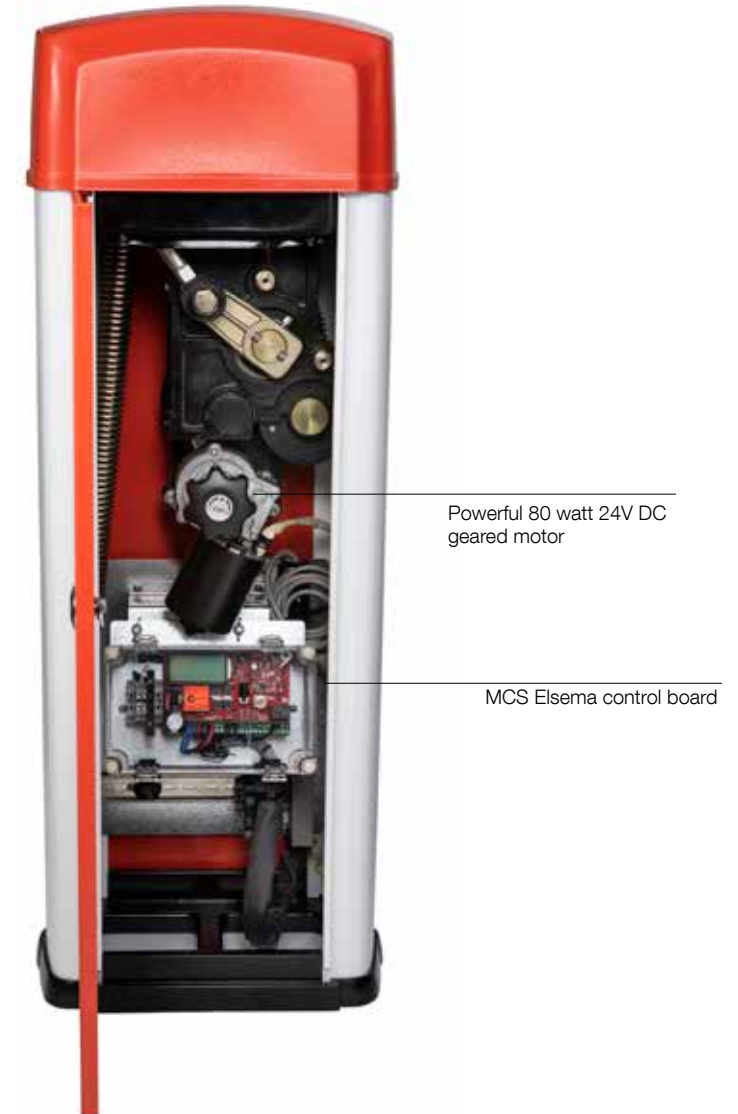
Adjustable 4m-6m arm



GDS boom barriers are designed with easy installation in mind. The boom barrier comes adjusted to customer requirements and boom arm positioning.

## GDS Boom Barrier

- Powerful 80 watt 24V DC geared motor
- Boom arm is 4-6 metres in length and gear box driven
- controls allow for all standard applications such as:
  - photo-electric cells
  - loop detector
  - transmitters
  - keypads and key switches
  - access control systems and ticketing machines
  - battery back-up



ACCESSORIES



**FT 210 NICE**  
Optical device, with wireless transmitter to secure on movable leaf, horizontal adjustable through 210° and 30° vertically for an automation according to standards.



**F 210 NICE**  
Synchronised photocells horizontally adjustable through 210° and 30° vertically. Simply perfect installations.



**A PE NIR-50 REFLECTIVE PE**  
12-24VDC  
24-240VAC



**A LD ULTRA DIN**  
Ultra DIN Loop Detector 9-30V DC (12-24vdc/24vac)  
Application  
Loop Detectors for sensing traffic presence.



**TX FOB43304**  
4 Channel Pentafob transmitter  
Hardwearing and durable.

Application  
Use with receiver boards.



**S CCT MCV2**  
Elsema MCV2 board for low voltage GDS 4/6 operators.

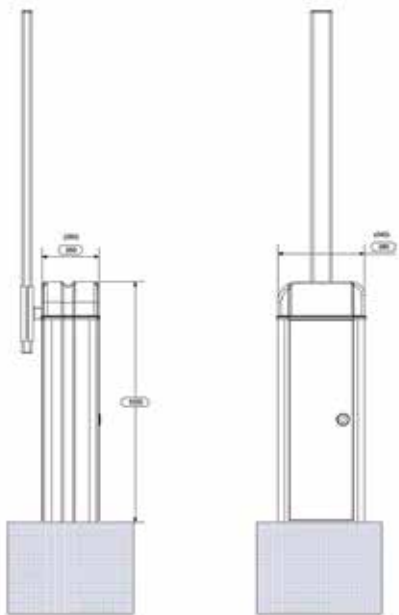
TECHNICAL SPECIFICATIONS

| MODEL      | GDS Boom adjustable 4m-6m arm |
|------------|-------------------------------|
| Power      | 24v 50Hz, or 24v DC, or Solar |
| Duty Cycle | Continuous - 100%             |
| Weight     | Base 60kg Arm 1.4kg/m         |

|                               |   |
|-------------------------------|---|
| OPERATIONAL SPEED             | 6 seconds   |
| OPERATIONAL TEMPERATURE RANGE | -15° to 60°   |
| CONSTRUCTION                  | Both the drive system and control circuit are fixed to a rigid steel chasis and enclosed by a robust steel cover. The door may be easily opened for service. The cover has a standard white body with orange powder coat lid. |
| OPTIONAL                      | Grade 316 stainless steel cabinets  |

DIMENSIONS

Stainless steel model measurements shown in brackets



# S/M/L Bar Barrier gate operators for all sizes

**High performing, reliable and durable.  
Elegant, streamlined design.  
Carefully selected materials.  
Greater convenience, safety at all  
times.**

**Integrated solutions for all requirements.**

Barrier gate operators to control road access to car parks, industrial, private and block of flats transit areas, including high traffic ones.

**5 models in 3 standard versions, up to 7 modular bars from 3 to 9 m.**

Easy transport and optimised management in the warehouse.

Nice key release

Tamper-proof function:  
provision for integrated  
assembly of photocells

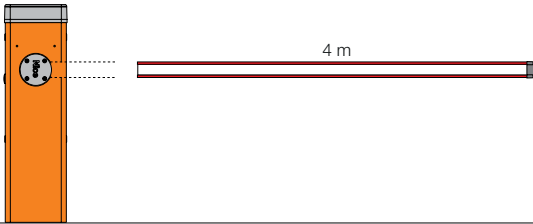
Paint-finished aluminium  
for bar support and cover,  
with optional flashing light

Steel case with protective  
cataphoresis treatment  
and paint finish, or with  
stainless steel case

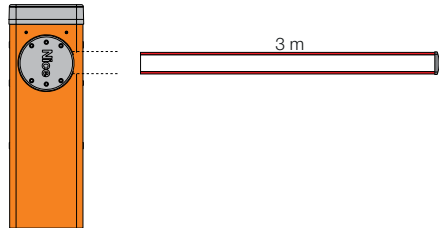


# Selection guide, composition of bars and accessories

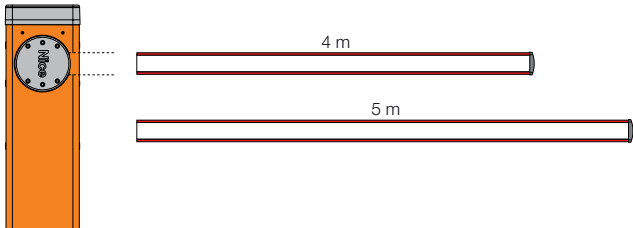
Bars and accessories are not included in the gear motor's code



**S4BAR**  
**With specific 4 m bar**  
Designed for:  
protective rubber trim,  
indicator lights

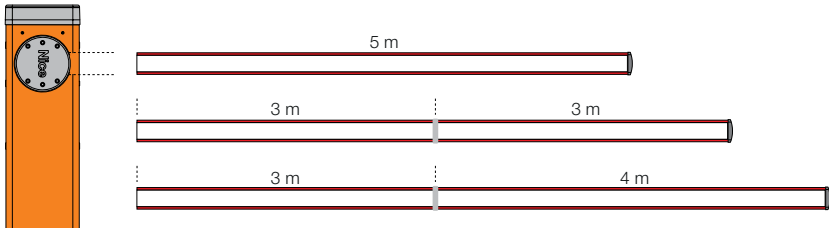


**M3BAR**  
**With 3 m bar**  
Designed for:  
protective rubber trim,  
indicator lights



**M5BAR**  
**With 4 m bar**  
Designed for:  
protective rubber trim,  
indicator lights,  
rack (1 pcs),  
mobile stand

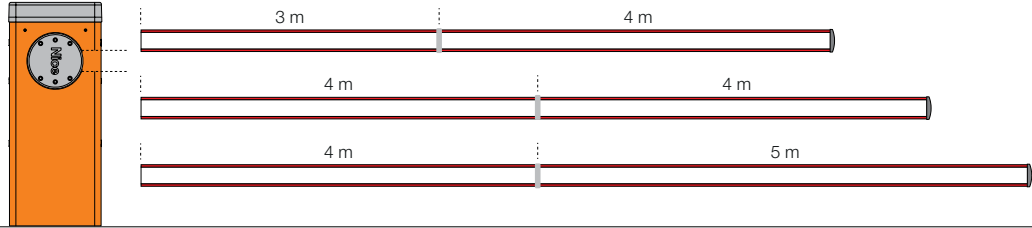
**With 5 m bar**  
Designed for:  
protective rubber trim,  
indicator lights



**M7BAR**  
**With 5 m bar**  
Designed for:  
protective rubber trim,  
indicator lights,  
rack (2 pcs),  
mobile stand

**With 6 m bar (3+3 m)\***  
Designed for:  
protective rubber trim,  
indicator lights,  
rack (2 pcs),  
mobile stand

**With 7 m bar (3+4 m)\***  
Designed for:  
protective rubber trim,  
indicator lights



**L9BAR**  
**With 7 m bar (3+4 m)\***  
Designed for:  
protective rubber trim,  
indicator lights,  
rack (3 pcs),  
mobile stand

**With 8 m bar (4+4 m)\***  
Designed for:  
protective rubber trim,  
indicator lights,  
rack (3 pcs),  
mobile stand

**With 9 m bar (4+5 m)\***  
Designed for:  
protective rubber trim,  
indicator lights

\* Use XBA9 joint to assemble bars

\* Use XBA9 joint to assemble bars

# S-Bar

## Electromechanical road barrier system for control of road access

### For bar up to 4 m.

24 Vdc gear motor with built-in control unit.

**Strength and reliability:** tough steel structure, new robust balancing springs guaranteed to 500,000 cycles and elliptical section shaft with high resistance to gusts of wind.

Optional flashing or traffic light can be integrated in cover.

**More comfort and safety in programming and maintenance phases:** the separate enclosures for electronics and mechanics protect internal parts from potential risks.

Rapid and easy access to the control unit located in the upper section of the barrier body.

Simple fixture of the completely concealed photocells onto the specially designed seats on the barrier body.

**More safety and reliability:** obstacle detection and monitoring of motor absorption during automation movement.

Automatic fault diagnostics during operation with consequent signalling of fault type through specific flash sequences.

Provision for connection of latest generation optical and resistive sensitive edges (with 8.2 KOhm resistance).

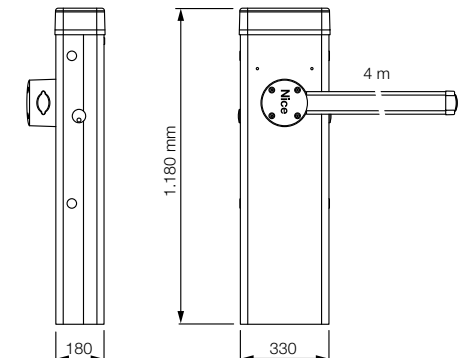
**Energy saving:** the system sets to standby when not in use to save consumption.

**No black out:** emergency backup power with the optional batteries housed inside the case.

**Release from side with Nice triangular key:** can be installed on either side.



### DIMENSIONS



## COMMON ACCESSORIES



### IBT4N

Interface for connecting the O-View programming unit.

Pc./Pack 1



### IT4WIFI

Smart Wi-fi interface to manage gates and garage doors by smartphone ((Not compatible with the Solemyo kit and PS324).

Pc./Pack 1



### XBA19

White paint-finished aluminium bar 45x58x4270 mm.

Pc./Pack 1



### XBA20

Spare control unit, for S4BAR.

Pc./Pack 1



### PS124

24 V battery with integrated battery charger.

Pc./Pack 1



### XBA13

Rubber impact protection strip. Length 1 m.

Pc./Pack 9



### WA10

Red adhesive reflector strips.

Pc./Pack 24



### SIA1

nchorage base with clamps.

Pc./Pack 1



### XBA7

Integrable flashing light.

Pc./Pack 1



### XBA4

Indicator lights for click fixture on upper or lower side of bar. Length 4 m.

Pc./Pack 1



### WA11

Adjustable stand for bars.

Pc./Pack 1



### SOLEMYO KIT

The solar power to automate gates, garage doors or barrier gates.

See page 128.

## IN ORDER TO HAVE A FULLY FUNCTIONAL BARRIER GATE OPERATOR SYSTEM:

1. CHOOSE THE GEAR MOTOR

2. SELECT THE BAR

3. COMPLETE THE SYSTEM WITH THE OPTIONAL ACCESSORIES

## TECHNICAL SPECIFICATIONS

With bar up to 4 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

| Code          | Description   |
|---------------|---|
| <b>S4BAR</b>  | With steel case with protective cataphoresis treatment and paint finish |
| <b>S4BARI</b> | With stainless steel case   |

| Code                         | S4BAR          | S4BARI |
|------------------------------|----------------|--------|
| ELECTRICAL DATA              |                |        |
| Power supply (Vac 50/60 Hz)  | 230            |        |
| Power supply (Vdc)           | 24             |        |
| Absorption (A)               | 1              |        |
| Power (W)                    | 300            |        |
| PERFORMANCE DATA             |                |        |
| Speed (s)                    | <4             |        |
| Torque (Nm)                  | 100            |        |
| Work cycle (cycles/hour)*    | 100            |        |
| DIMENSIONAL AND GENERAL DATA |                |        |
| Protection level (IP)        | 44             |        |
| Working temp. (°C Min/Max)   | -20 ÷ +50      |        |
| Dimensions (mm)              | 330x180x1180 h |        |
| Weight (kg)                  | 46             |        |

## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

| Code   | receiver  |     | transmitter |         |          |         | photocells |     |     |      |      |      |       |       |      |       |       |        | flashing light |      |     |
|--------|-----------|-----|-------------|---------|----------|---------|------------|-----|-----|------|------|------|-------|-------|------|-------|-------|--------|----------------|------|-----|
|        | Built-in* | OXI | ERA INTI    | ERA ONE | ERA FLOR | NICEWAY | EPS        | EPM | EPL | EPSB | EPMB | EPLB | EPMOW | EPMOR | F210 | FT210 | F210B | FT210B | ELAC           | ELDC | WLT |
| S4BAR  |           | •   | •           | •       | •        | •       |            |     |     | •    | •    | •    | •     | •     |      |       |       | •      | •              | •    | •   |
| S4BARI |           | •   | •           | •       | •        | •       |            |     |     | •    | •    | •    | •     | •     |      |       |       | •      | •              | •    | •   |

\* Radio receiver incompatible with Opera system

# M-Bar

## Electromechanical road barrier system for control of road access

### For bars up from 3 to 7 m.

24 Vdc gear motor with built-in control unit.

**Simplified programming:** control unit with display and joystick to make setting operating parameters even faster.

The control unit has an output to power 24 Vdc devices and two inputs to control loop detectors with the LP21 and LP22 accessories.

**Modular:** bars are easily assembled using the aluminium expansion joint.

Possibility for intelligent control of two opposing automations thanks to **"master/slave" function**.

**Strength and reliability:** tough steel structure, new robust balancing springs guaranteed to 2,000,000 cycles and elliptical section shaft with high resistance to gusts of wind.

Optional flashing or traffic light can be integrated in cover.

Encoder movement control and electromechanical limit switches.

**More comfort and safety in programming and maintenance phases:** the separate enclosures for electronics and mechanics protect internal parts from potential risks.

Rapid and easy access to the control unit located in the upper section of the barrier body.

Simple fixture of the completely concealed photocells onto the specially designed seats on the barrier body.

**More safety and reliability:** obstacle detection and monitoring of motor absorption during automation movement.

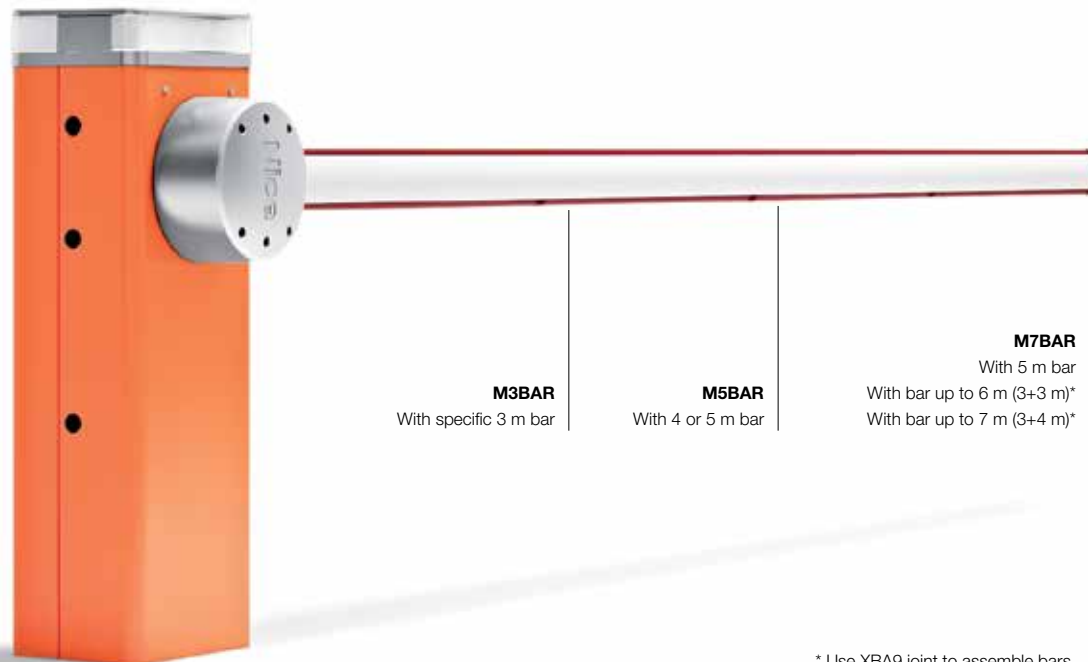
Automatic fault diagnostics during operation with consequent signalling of fault type through specific flash sequences.

Provision for connection of latest generation optical and resistive sensitive edges (with 8.2 KOhm resistance).

**Energy saving:** the system sets to standby when not in use to save consumption.

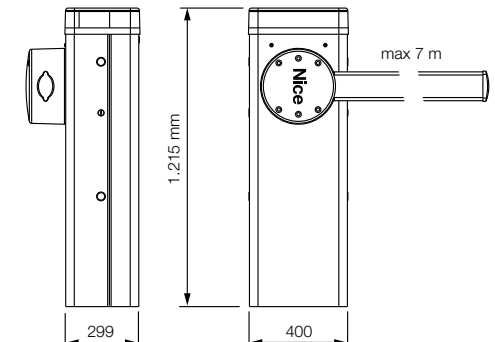
**No black out:** with the optional batteries (PS224) housed inside the gear motor.

**Release from side with metal key:** can be installed on either side.



\* Use XBA9 joint to assemble bars.

### DIMENSIONS





## COMMON ACCESSORIES



### IBT4N

Interface for connecting the O-View programming unit.

Pc./Pack 1



### IT4WIFI

Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and PS324)

Pc./Pack 1



### BCU1

Spare control unit.

Pc./Pack 1



### PS224

24 Vdc buffer batter.

Pc./Pack 1



### LP21

Magnetic loop detector 1 channel.

Pc./Pack 1



### LP22

Magnetic loop detector 2 channels.

Pc./Pack 1



### SOLEMYO KIT

The solar power to automate gates, garage doors or barrier gates.

See page 128.

## IN ORDER TO HAVE A FULLY FUNCTIONAL BARRIER GATE OPERATOR SYSTEM:

1. CHOOSE THE GEAR MOTOR

2. SELECT THE BAR

3. COMPLETE THE SYSTEM WITH THE OPTIONAL ACCESSORIES

## TECHNICAL SPECIFICATIONS

**With bar up to 3 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:**

| Code          | Description  |
|---------------|--|
| <b>M3BAR</b>  | With steel case with protective cataphoresis treatment and paint finish. For intensive use |
| <b>M3BARI</b> | With stainless steel case  |

**With bar up to 4 or 5 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:**

| Code          | Description  |
|---------------|--|
| <b>M5BAR</b>  | With steel case with protective cataphoresis treatment and paint finish. For intensive use |
| <b>M5BARI</b> | With stainless steel case  |

**With bar up to 5, 6 or 7 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:**

| Code          | Description   |
|---------------|---|
| <b>M7BAR</b>  | With steel case with protective cataphoresis treatment and paint finish |
| <b>M7BARI</b> | With stainless steel case   |

| Code                         | M3BAR          | M3BARI | M5BAR | M5BARI | M7BAR  | M7BARI |
|------------------------------|----------------|--------|-------|--------|--------|--------|
| ELECTRICAL DATA              |                |        |       |        |        |        |
| Power supply (Vac 50/60 Hz)  | 230            |        |       |        |        |        |
| Power supply (Vdc)           | 24             |        |       |        |        |        |
| Absorption (A)               | 1.3            |        | 1.1   |        | 1.1    |        |
| Power (W)                    | 150            |        | 110   |        | 110    |        |
| PERFORMANCE DATA             |                |        |       |        |        |        |
| Speed min.-÷max. (s)         | 1.5 ÷ 4        |        | 3 ÷ 6 |        | 6 ÷ 10 |        |
| Torque (Nm)                  | 100            |        | 200   |        | 300    |        |
| Work cycle (cycles/hour)     | 600            |        | 450   |        | 200    |        |
| DIMENSIONAL AND GENERAL DATA |                |        |       |        |        |        |
| Protection level (IP)        | 54             |        |       |        |        |        |
| Working temp. (°C Min/Max)   | -20 ÷ +55      |        |       |        |        |        |
| Dimensions (mm)              | 400x299x1215 h |        |       |        |        |        |
| Weight (kg)                  | 80             |        |       |        | 85     |        |

## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

| Code           | receiver  |     | transmitter |         |          |         | photocells |     |     |      |      |      |       |       |      |       |       | flashing light |      |      |     |
|----------------|-----------|-----|-------------|---------|----------|---------|------------|-----|-----|------|------|------|-------|-------|------|-------|-------|----------------|------|------|-----|
|                | Built-in* | OXI | ERA INTI    | ERA ONE | ERA FLOR | NICEWAY | EPS        | EPM | EPL | EPSB | EPMB | EPLB | EPMDW | EPMDR | F210 | FT210 | F210B | FT210B         | ELAC | ELDC | WLT |
| M3BAR / M3BARI |           | •   | •           | •       | •        | •       |            |     |     | •    | •    | •    | •     | •     |      |       |       | •              | •    | •    | •   |
| M5BAR / M5BARI |           | •   | •           | •       | •        | •       |            |     |     | •    | •    | •    | •     | •     |      |       |       | •              | •    | •    | •   |
| M7BAR / M7BARI |           | •   | •           | •       | •        | •       |            |     |     | •    | •    | •    | •     | •     |      |       |       | •              | •    | •    | •   |

\* Radio receiver incompatible with Opera system

# Accessories M-Bar

## COMMON ACCESSORIES

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**XBA13**  
Rubber impact protection strip. Length 1 m.  
Pc./Pack 9



**WA10**  
Red adhesive reflector strips.  
Pc./Pack 24



**XBA8**  
Integrable traffic light.  
Pc./Pack 1



**XBA7**  
Integrable flashing light.  
Pc./Pack 1



**XBA16**  
nchorage base with clamps.  
Pc./Pack 1



**WA11**  
Adjustable stand for bars.  
Pc./Pack 1

## BARS FOR M3BAR



**XBA15**  
White paint-finished aluminium bar 69x92x3150 mm.  
Pc./Pack 1



**XBA4**  
Indicator lights for click fixture on upper or lower side of bar. Length 4 m.  
Pc./Pack 1



**XBA10**  
Pivot joint for bars up to 4 m.  
Pc./Pack 1



**XBA11**  
Joint for bars (from 1950 mm to 2400 mm).  
Pc./Pack 1

## ACCESSORIES FOR M3BAR

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## BARS FOR M5BAR



**XBA14**  
White paint-finished  
aluminium bar  
69x92x4150 mm.  
Pc./Pack 1



**XBA5**  
White paint-finished  
aluminium bar  
69x92x5150 mm.  
Pc./Pack 1



**XBA4**  
Indicator lights for click  
fixture on upper or  
lower side of bar.  
Length 4 m.  
Pc./Pack 1



**XBA6**  
Indicator lights for click  
fixture on upper or  
lower side of bar.  
Length 6 m.  
Pc./Pack 1



**XBA10**  
Pivot joint for bars up  
to 4 m.  
Pc./Pack 1



**XBA11**  
Joint for bars (from  
1950 mm to 2400 mm).  
Pc./Pack 1



**WA12**  
Mobile stand for bars  
- new fully reinforced  
version.  
Pc./Pack 1



**WA13**  
Aluminium rack up to  
2 m.  
Pc./Pack 1

## BARS FOR M7BAR



**XBA15**  
White paint-finished  
aluminium bar  
69x92x3150 mm.  
Pc./Pack 1



**XBA14**  
White paint-finished  
aluminium bar  
69x92x4150 mm.  
Pc./Pack 1



**XBA5**  
White paint-finished  
aluminium bar  
69x92x5150 mm.  
Pc./Pack 1



**XBA9**  
Expansion joint.  
Pc./Pack 1



**XBA6**  
Indicator lights for click  
fixture on upper or  
lower side of bar.  
Length 6 m.  
Pc./Pack 1



**XBA18**  
Indicator lights for click  
fixture on upper or  
lower side of bar.  
Length 8 m.  
Pc./Pack 1



**WA12**  
Mobile stand for bars  
- new fully reinforced  
version.  
Pc./Pack 1



**WA13**  
Aluminium rack up to  
2 m.  
Pc./Pack 1

## ACCESSORIES FOR M7BAR

# L-Bar

## Electromechanical road barrier system for control of road access



### Powerful and fast, for bars from 7 to 9 m.

24 Vdc gear motor with built-in control unit.

**Simplified programming:** control unit with display and joystick to make setting operating parameters even faster.

The control unit has an output to power 24 Vdc devices and two inputs to control loop detectors with the LP21 and LP22 accessories.

**Modular:** bars are easily assembled using the aluminium expansion joint.

Possibility for intelligent control of two opposing automations thanks to **“master/slave” function**.

**Strength and reliability:** tough steel structure, new robust balancing springs guaranteed to 2,000,000 cycles and elliptical section shaft with high resistance to gusts of wind.

Optional flashing or traffic light can be integrated in cover.

Encoder movement control and electromechanical limit switches.

**More comfort and safety in programming and maintenance phases:** the separate enclosures for electronics and mechanics protect internal parts from potential risks.

Rapid and easy access to the control unit located in the upper section of the barrier body.

Simple fixture of the completely concealed photocells onto the specially designed seats on the barrier body.

**More safety and reliability:** obstacle detection and monitoring of motor absorption during automation movement.

Automatic fault diagnostics during operation with consequent signalling of fault type through specific flash sequences.

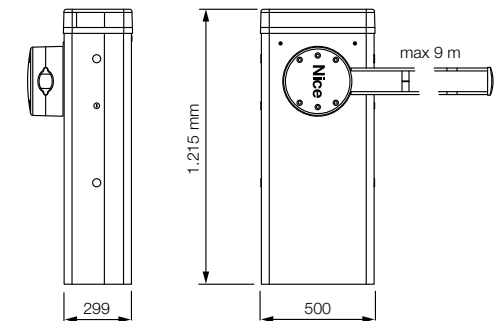
Provision for connection of latest generation optical and resistive sensitive edges (with 8.2 KOhm resistance).

**Energy saving:** the system sets to standby when not in use to save consumption.

**No black out:** with the optional batteries (PS224) housed inside the gear motor.

**Release from side with metal key:** can be installed on either side.

### DIMENSIONS



## COMMON ACCESSORIES



**IBT4N**  
Interface for connecting the O-View programming unit.

Pc./Pack 1



**IT4WIFI**  
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and PS324)

Pc./Pack 1



**BCU1**  
Spare control unit.

Pc./Pack 1



**PS224**  
24 Vdc buffer batter.

Pc./Pack 1



**LP21**  
Magnetic loop detector 1 channel.

Pc./Pack 1



**LP22**  
Magnetic loop detector 2 channels.

Pc./Pack 1

## IN ORDER TO HAVE A FULLY FUNCTIONAL BARRIER GATE OPERATOR SYSTEM:

1. CHOOSE THE GEAR MOTOR

2. SELECT THE BAR

3. COMPLETE THE SYSTEM WITH THE OPTIONAL ACCESSORIES

## TECHNICAL SPECIFICATIONS

With bar up to 9 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

| Code          | Description   |
|---------------|---|
| <b>L9BAR</b>  | With steel case with protective cataphoresis treatment and paint finish |
| <b>L9BARI</b> | With stainless steel case   |

| Code                                | L9BAR          | L9BARI |
|-------------------------------------|----------------|--------|
| <b>ELECTRICAL DATA</b>              |                |        |
| Power supply (Vac 50/60 Hz)         | 230            |        |
| Power supply (Vdc)                  | 24             |        |
| Absorption (A)                      | 1.3            |        |
| Power (W)                           | 160            |        |
| <b>PERFORMANCE DATA</b>             |                |        |
| Speed min.-÷max. (s)                | 8 ÷ 12         |        |
| Torque (Nm)                         | 400            |        |
| Work cycle (cycles/hour)            | 150            |        |
| <b>DIMENSIONAL AND GENERAL DATA</b> |                |        |
| Protection level (IP)               | 54             |        |
| Working temp. (°C Min/Max)          | -20 ÷ +55      |        |
| Dimensions (mm)                     | 500x299x1215 h |        |
| Weight (kg)                         | 98             |        |

## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

| Code           | receiver  |     | transmitter |          |           |         | photocells |     |     |       |       |       |        |        |      |       |       |        | flashing light |      |     |
|----------------|-----------|-----|-------------|----------|-----------|---------|------------|-----|-----|-------|-------|-------|--------|--------|------|-------|-------|--------|----------------|------|-----|
|                | Built-in* | OXI | ERIA INTI   | ERIA ONE | ERIA FLOR | NICEWAY | EP'S       | EPM | EPL | EP'SB | EP'MB | EP'LB | EP'MOW | EP'MOR | F210 | FT210 | F210B | FT210B | ELAC           | ELDC | WLT |
| L9BAR / L9BARI |           | •   | •           | •        | •         | •       |            |     |     | •     | •     | •     | •      | •      |      |       | •     | •      |                | •    | •   |

\* Radio receiver incompatible with Opera system



# Accessories L-Bar

## BARS



**XBA15**  
White paint-finished  
aluminium bar  
69x92x3150 mm.  
Pc./Pack 1



**XBA14**  
White paint-finished  
aluminium bar  
69x92x4150 mm.  
Pc./Pack 1



**XBA5**  
White paint-finished  
aluminium bar  
69x92x5150 mm.  
Pc./Pack 1



**XBA9**  
Expansion joint.  
Pc./Pack 1



**XBA18**  
Indicator lights for click  
fixture on upper or  
lower side of bar.  
Length 8 m.  
Pc./Pack 1



**XBA8**  
Integrable traffic light.  
Pc./Pack 1



**XBA7**  
Integrable flashing light.  
Pc./Pack 1



**XBA13**  
Rubber impact  
protection strip. Length  
1 m.  
Pc./Pack 9



**WA10**  
Red adhesive reflector  
strips.  
Pc./Pack 24



**WA13**  
Aluminium rack up to  
2 m.  
Pc./Pack 1



**XBA17**  
nchorage base with  
clamps.  
Pc./Pack 1



**WA12**  
Mobile stand for bars  
- new fully reinforced  
version.  
Pc./Pack 1



**WA11**  
Adjustable stand for  
bars.  
Pc./Pack 1





## Residential, commercial and industrial systems for the automation and control of gates and barriers

Nice residential systems providing integrated management using smart and intuitive interfaces: practical, functional and elegant solutions to help you enjoy your living spaces to the full.

Nice Australia produce industrial quality GDS products designed and manufactured in Australia, for Australian conditions. Gate drive systems are 100% duty cycle with intelligent inverters that allow the installer a vast amount of options.

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