



AUTOMATIONS FOR SWING GATES

LINEAR
WORM
SCREWS

BOB21
leaf up to 2.1 m

230 Vac

BOB21M
KBOB21M

24 Vdc
intensive use

BOB2124E
KBOB2124E

BOB30
leaf up to 3.0 m

230 Vac

BOB30M
BOB30ME
KBOB30M
KBOB30ME

24 Vdc
intensive use

BOB3024E
KBOB3024E

BOB50
leaf up to 5.0 m

230 Vac

BOB50M
BOB50ME

24 Vdc
intensive use

BOB5024E

CONTROL
UNITS

HEADY | BRAINY
HEADY

HEADY24 | BRAINY24
BRAINY24+
HEADY24

HEADY | BRAINY
BRAINY
HEADY
BRAINY

HEADY24 | BRAINY24
BRAINY24+
BRAINY24-SW

HEADY | BRAINY
BRAINY

BRAINY24 | BRAINY24+

LINEAR
TELESCOPIC
OPERATOR

BILL30
leaf up to 2.5 m

230 Vac

BILL30M
KBILL30M

BILL40
leaf up to 3.5 m

230 Vac

BILL40M
KBILL40M

24 Vdc
intensive use

BILL4024
KBILL4024

BILL50
leaf up to 4.0 m

230 Vac

BILL50M
KBILL50M

BILL50
leaf up to 4.5 m

230 Vac

BILL50ML

CONTROL
UNITS

HEADY | BRAINY
HEADY

HEADY | BRAINY
HEADY

HEADY24 | BRAINY24
BRAINY24+
HEADY24

HEADY | BRAINY
HEADY

HEADY | BRAINY



ARTICULATED ARM

KBN24 leaf up to 2.1 m	24 Vdc intensive use	KBN24
MBE leaf up to 2.5 m	24 Vdc intensive use	MB24 MBE24 KMB24
PREMIER leaf up to 3.0 m	230 Vac	PR.45E KPR
	24 Vdc intensive use	PR.45E24 KPR24
PREMIER leaf up to 4.0 m	230 Vac	PR.45EL

CONTROL UNITS

CP.BN*
BRAINY24 BRAINY24+ CP.MBY24* CP.MBY24*
HEADY BRAINY HEADY
BRAINY24 BRAINY24+ BRAINY24
HEADY BRAINY

UNDERGROUND INSTALLATION

DU.IT leaf up to 2.1 m	230 Vac	DU.IT14NV DU.IT14NVE
DU.350 leaf up to 3.0 m	230 Vac	DU.350NV DU.350NVE
DU.IT leaf up to 3.5 m	230 Vac	DU.IT14N DU.IT14NE
	24 Vdc intensive use	DU.IT24NVE
DU.350 leaf up to 4.0 m	230 Vac	DU.350N DU.350NGE

CONTROL UNITS

HEADY BRAINY BRAINY
HEADY BRAINY BRAINY
HEADY BRAINY BRAINY
BRAINY24 BRAINY24+
HEADY BRAINY BRAINY

* Built-in control unit



GUIDE FOR CHOOSING

Choose the weight and the length in the chart and find out the most suitable model

BOB | LINEAR WORM SCREWS

		LEAF MAX WEIGHT									
		200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg	800 kg
GATE LENGTH	1.5 m	BOB21M BOB2124E	BOB21M BOB2124E	BOB21M BOB2124E	BOB21M BOB2124E	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	1.8 m	BOB21M BOB2124E	BOB21M BOB2124E	BOB21M BOB2124E	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	2.1 m	BOB21M BOB2124E	BOB21M BOB2124E	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	2.5 m	BOB30M BOB50M BOB3024E BOB5024E	BOB30M BOB50M BOB3024E BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	3 m	BOB30M BOB50M BOB3024E BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	3.5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M			
	4 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M				
	4.5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M					
	5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M						

BILL | LINEAR TELESCOPIC OPERATOR

		LEAF MAX WEIGHT											
		100 kg	150 kg	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	550 kg	650 kg	
GATE LENGTH	1.8 m	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL40M BILL4024	BILL40M BILL4024	BILL40M BILL4024	BILL40M	---	
	2.1 m	BILL30M BILL40M BILL50M BILL50ML BILL4024	BILL30M BILL40M BILL50M BILL50ML BILL4024	BILL30M BILL40M BILL50M BILL50ML BILL4024	BILL30M BILL40M BILL50M BILL50ML BILL4024	BILL30M BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML
	2.5 m	BILL30M BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML		
	3 m	BILL40M BILL50M BILL50ML BILL4024	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML						
	3.5 m	BILL40M BILL50M BILL50ML BILL4024	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML								
	4 m	BILL50M BILL50ML	BILL50ML										
	4.5 m	BILL50ML											



BEN - MB | ARTICULATED ARM

		LEAF MAX WEIGHT								
		150 kg	200 kg	250 kg	280 kg	300 kg	350 kg	400 kg	500 kg	600 kg
GATE LENGTH	1 m	KBN24	KBN24	KBN24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	1.5 m	KBN24	KBN24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	1.8 m	KBN24	PR.45E MBE24 KBN24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	2.1 m	PR.45E MBE24 KBN24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E MBE24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24
	2.5 m	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL
	3 m	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL	
	3.5 m	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL		
	4 m	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL				

DU.IT - DU.350 | UNDERGROUND INSTALLATION

		LEAF MAX WEIGHT								
		250 kg	300 kg	350 kg	400 kg	500 kg	550 kg	600 kg	700 kg	800 kg
GATE LENGTH	1.5 m	DU.IT14NV/E	DU.IT14NV/E	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV
	2.1 m	DU.IT14N/E DU.IT14NV/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE
	2.5 m	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE	
	3 m	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE	DU.350N DU.350NGE		
	3.5 m	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.350N DU.350NGE	DU.IT14N/E DU.350N DU.350NGE	DU.350N DU.350NGE			
	4 m	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE				

NOTES

We recommend the use of an electric lock

* With BOB.SL accessory

In the event of wind and a solid door the operating limits may vary.

230_{VAC}24_{VDC}

BOB21M

BOB2124E

LINEAR WORM SCREWS

patented FACE gears

up to 2.1 m



CONTROL UNITS:

BOB21M	BRAINY	134
	HEADY	135
BOB2124E	BRAINY24+	143
	BRAINY24	144
	HEADY24	145



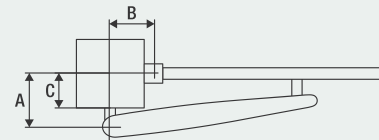
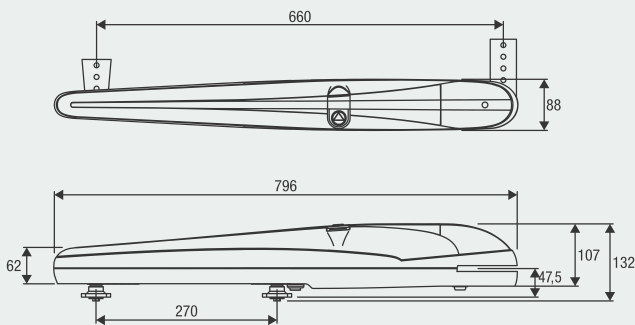
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Rolled ball screws Ø 20 mm. Easy access release from above.

230 Vac

- Irreversible 230 Vac electromechanical geared motor

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS



MOTORS



CONTROL UNIT



PHOTOCELLS



FLASHING LIGHT



SELECTOR

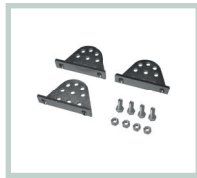


TRANSMITTER

KBOB21M2x **BOB21M**1x **HEADY**1x **PUPILLA.R**1x **LAMPI.LED**1x **TOKEY**1x **TO.GO2VA****KBOB2124E**2x **BOB2124E**1x **HEADY24**1x **PUPILLA.R**1x **LAMPI24.LED**1x **TOKEY**1x **TO.GO2VA**

**BOB.CS**

Lock with personalized key and cover for unlock system.

**B.SR**

Multiposition brackets for one operator.

**B.P**

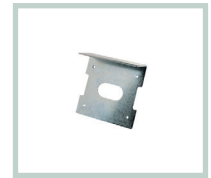
Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**ID.TA**

Warning board.

**IRI.TX4VA**

4-channel transmitter with Advanced Rolling Code and Rolling Code.

**IRI.TX4AK**

4-channel transmitter with Advanced Rolling Code and Fixed Code.

**IRI.LAMP**

White full range flashing light, 20-255 VAC with built-in aerial.

**IRI.KPAD**

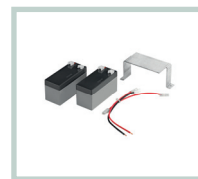
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.

**IRI.CELL**

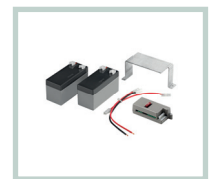
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.

**PUPILLA**

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB21M*	BOB2124E*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	24 Vdc
Max absorbed current	1.5 A	5.5 A
Max Thrust	1800 N	1800 N
Opening time	18"	9" - 21"
Duty cycle	30%	intensive use
Standard stroke	270 mm	270 mm
Max stroke	325 mm	325 mm
Protection level	IP44	IP44
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.1 m	2.1 m
Weight	8.2 kg	7.9 kg
Items no. per pallet	50	50
Kit weight	19.1 kg	19.7 kg
Kits no. per pallet	18	18

* Available in 115 VAC version

230_{VAC}24_{VDC}

BOB30M

BOB3024E

LINEAR WORM SCREWS

patented FACE gears
full metal mechanics
gear and female screw in bronze
personalised release key

up to 3.0 m



CONTROL UNITS:

BOB30M	BRAINY	134
	HEADY	135
BOB30ME	BRAINY	134
BOB3024E	BRAINY24+	143
	BRAINY24	144
	HEADY24	145



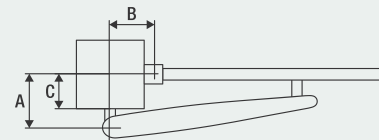
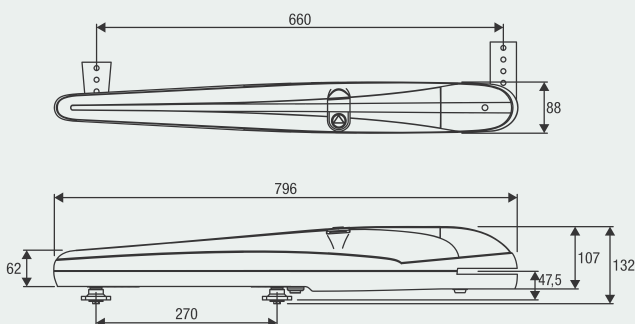
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Rolled ball screws Ø 20 mm. Easy access release from above.

230 Vac

- Irreversible 230 Vac electromechanical geared motor
- The encoder device in the BOB30ME version ensures crush prevention and precision in the gate moving phases

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation

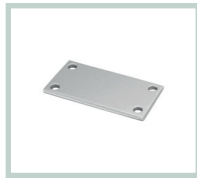


A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBOB30M	2x BOB30M	1x HEADY	1x PUPILLA.R	1x LAMPI.LED	1x TOKEY	1x TO.GO2VA
KBOB30ME	2x BOB30ME	1x BRAINY	1x PUPILLA.R	1x LAMPI.LED	1x TOKEY	1x TO.GO2VA
KBOB3024E	2x BOB3024E	1x BRAINY24-SW**	1x PUPILLA.R	1x LAMPI24.LED	1x TOKEY	1x TO.GO2VA

**B.SR**

Multiposition brackets for one operator.

**B.P**

Screw-on plate.

**BOB.SL**

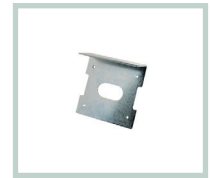
Rear extension for BOB30 series models, to increase performance by up to 15% (see table p. 30) and reduced dimension installation requirements.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**ID.TA**

Warning board.

**IRI.TX4VA**

4-channel transmitter with Advanced Rolling Code and Rolling Code.

**IRI.TX4AK**

4-channel transmitter with Advanced Rolling Code and Fixed Code.

**IRI.LAMP**

White full range flashing light, 20-255 VAC with built-in aerial.

**IRI.KPAD**

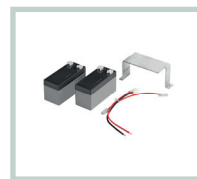
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.

**IRI.CELL**

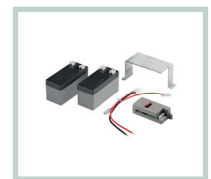
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.

**PUPILLA**

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB30M*	BOB30ME*	BOB3024E*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.8 A	1.8 A	5.5 A
Max Thrust	2300 N	2300 N	1800 N
Opening time	18"	18"	9" - 21"
Duty cycle	30%	30%	intensive use
Standard stroke	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm
Protection level	IP44	IP44	IP44
Encoder	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	3 m
Weight	8.5 kg	8.5 kg	8 kg
Items no. per pallet	50	50	50
Kit weight	19.6 kg	20.5 kg	20.7 kg
Kits no. per pallet	18	18	18

* Available in 115 VAC version

230_{VAC}24_{VDC}

BOB50M

BOB5024E

LINEAR WORM SCREWS

patented FACE gears
full metal mechanics
gear and female screw in bronze
personalised release key

up to 5.0 m



CONTROL UNITS:

BOB50M		BRAINY	134
		HEADY	135
BOB50ME		BRAINY	134
BOB5024E		BRAINY24+	143
		BRAINY24	144



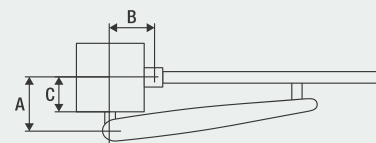
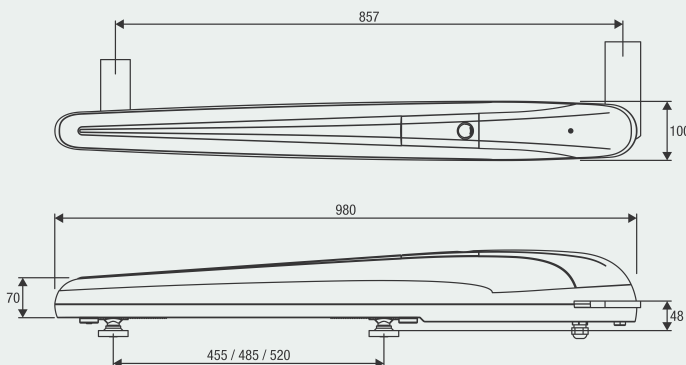
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Rolled ball screws Ø 20 mm. Easy access release from above.

230 Vac

- Irreversible 230 Vac electromechanical geared motor
- Available in two versions: one with an easily adjustable limit switch (BOB50M) the other with encoder (BOB50ME)
- The encoder device in the BOB50ME version ensures crush prevention and precision in the gate moving phases

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)
150-225	150-225	90-155

**B5.SR**

Bracket to attach with screws.

**B.P**

Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**ID.TA**

Warning board.

**IRI.TX4VA**

4-channel transmitter with Advanced Rolling Code and Rolling Code.

**IRI.TX4AK**

4-channel transmitter with Advanced Rolling Code and Fixed Code.

**IRI.LAMP**

White full range flashing light, 20-255 VAC with built-in aerial.

**IRI.KPAD**

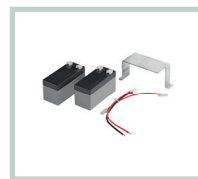
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.

**IRI.CELL**

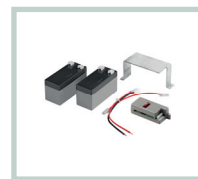
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.

**PUPILLA**

Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB50M*	BOB50ME*	BOB5024E*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.4 A	1.4 A	6.7 A
Max Thrust	3500 N	3500 N	2200 N
Opening time	26"	26"	21"
Duty cycle	30%	30%	intensive use
Standard stroke	455 mm	455 mm	455 mm
Max stroke	520 mm	520 mm	520 mm
Protection level	IP44	IP44	IP44
Encoder	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	5 m	5 m	5 m
Weight	11.6 kg	11.6 kg	10.2 kg
Items no. per pallet	30	30	30

* Available in 115 VAC version

230_{VAC}

BILL30M



CONTROL UNITS:

BILL30M — BRAINY 134
 HEADY 135

LINEAR TELESCOPIC OPERATOR

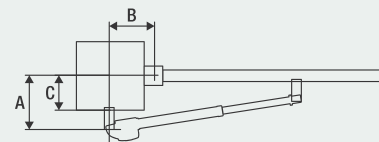
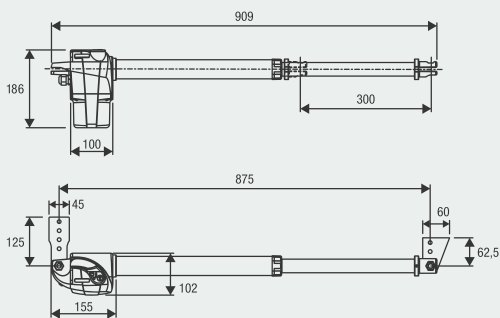
personalised release key

up to 2.5 m



230 Vac

- Irreversible 230 Vac electromechanical geared motor with easy access release from above
- Neat design and size, particularly suited to forged iron gates
- Easy and quick to install due to compact size and installation geometry
- Worm protected by a scraper ring and stainless steel stem, suitable for use in dusty and sandy environments or where there are aggressive atmospheric agents
- Available in right or left version



A (mm)	B (mm)	C (mm)
100-150	100-150	60-100

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBILL30M	2x BILL30M	1x HEADY	1x PUPILLA.R	1x LAMPI.LED	1x TOKEY	1x TO.GO2VA



B.SR
Multiposition brackets for one operator.



BILL30.CO
Telescopic stem cover accessory.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm

TECHNICAL DATA	BILL30M*
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	1.1 A
Max Thrust	2800 N
Opening time	16"
Duty cycle	30%
Standard stroke	300 mm
Max stroke	320 mm
Protection level	IP54
Operating temperature	-20°C /+50°C
Leaf max dimension	2.5 m
Weight	6.1 kg
Items no. per pallet	62
Kit weight	14.6 kg
Kits no. per pallet	40

* Available in 115 VAC version

230_{VAC}24_{VDC}

BILL40M

BILL4024

**CONTROL UNITS:**

BILL40M	BRAINY	134
	HEADY	135
BILL4024	BRAINY24+	143
	BRAINY24	144
	HEADY24	145

LINEAR TELESCOPIC OPERATOR

personalised release key

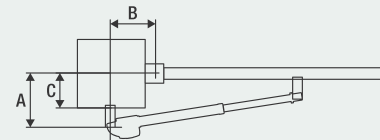
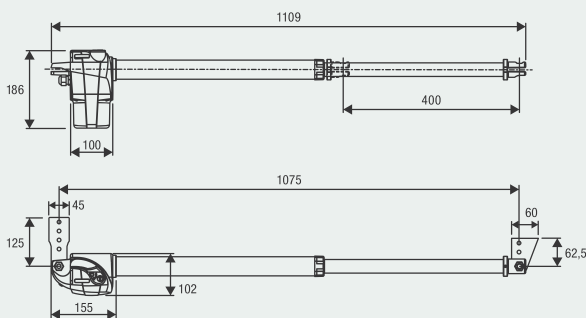
up to 3.5 m**230 Vac**

- Irreversible 230 Vac electromechanical geared motor

24 Vdc | intensive use

- 24 Vdc irreversible electromechanical geared motor for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system

Irreversible electromechanical geared motor, available with power options 230 VAC or 24 VDC. Ideal for automation devices for wrought iron gates, this product is very small and suitable for a quick and easy installation. Worm screw protected by a scraper ring and stainless steel stem, suitable for dusty or sandy environments, or places with aggressive weather conditions. Available in right or left side versions.



A (mm)	B (mm)	C (mm)
100-200	100-200	65-150

COMPLETE KITS

MOTORS



CONTROL UNIT



PHOTOCELLS



FLASHING LIGHT



SELECTOR



TRANSMITTER

KBILL40M2x **BILL40M**1x **HEADY**1x **PUPILLA.R**1x **LAMPI.LED**1x **TOKEY**1x **TO.GO2VA****KBILL4024**2x **BILL4024**1x **HEADY24**1x **PUPILLA.R**1x **LAMPI24.LED**1x **TOKEY**1x **TO.GO2VA**



B.SR
Multiposition brackets for one operator.



BILL40.CO
Telescopic stem cover accessory.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



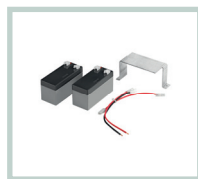
IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



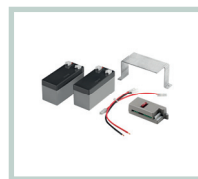
IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BRAINY24.CB-SW
Accessory equipped with 1.2 Ah batteries and support bracket.



BRAINY24.CB
Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BILL40M*	BILL4024*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	24 Vdc
Max absorbed current	1.1 A	5 A
Max Thrust	2800 N	2000 N
Opening time	18"	15"
Duty cycle	30%	intensive use
Standard stroke	400 mm	400 mm
Max stroke	420 mm	420 mm
Protection level	IP54	IP54
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.5 m	3.5 m
Weight	6.7 kg	5.5 kg
Items no. per pallet	48	48
Kit weight	15.5 kg	14.6 kg
Kits no. per pallet	30	30

* Available in 115 VAC version

230_{VAC}

BILL50M BILL50ML



CONTROL UNITS:

BILL50M	—	BRAINY	134
	—	HEADY	135
BILL50ML	—	BRAINY	134
	—	HEADY	135

LINEAR TELESCOPIC OPERATOR

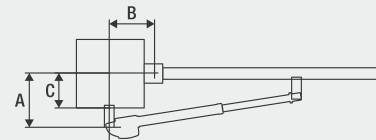
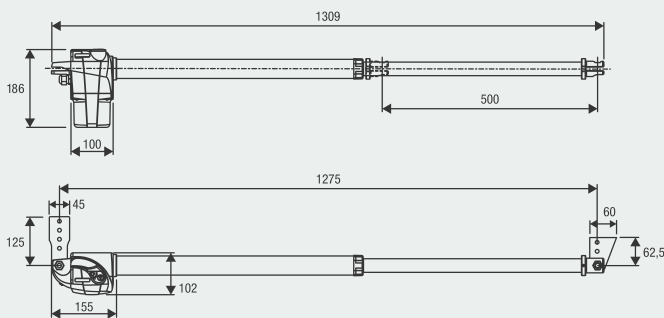
personalised release key

up to 4.5 m



230 Vac

- Irreversible 230 Vac electromechanical geared motor with easy access release from above
- Neat design and size, particularly suited to forged iron gates
- Easy and quick to install due to compact size and installation geometry
- Worm protected by a scraper ring and stainless steel stem, suitable for use in dusty and sandy environments or where there are aggressive atmospheric agents
- Available in right or left version
- BILL50ML version for large doors and confined installation geometry



A (mm)	B (mm)	C (mm)
120-250	120-250	80-190

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	SELECTOR	TRANSMITTER
KBILL50M	2x BILL50M	1x HEADY	1x PUPILLA.R	1x LAMPI.LED	1x TOKEY	1x TO.GO2VA



B.SR
Multiposition brackets for one operator.



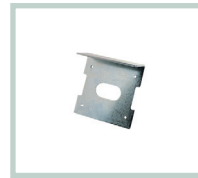
BILL50.CO
Telescopic stem cover accessory.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm

TECHNICAL DATA	BILL50M*	BILL50ML
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	1.1 A	1.2 A
Max Thrust	2800 N	3100 N
Opening time	21"	32"
Duty cycle	30%	30%
Standard stroke	500 mm	500 mm
Max stroke	520 mm	520 mm
Protection level	IP54	IP54
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4.0 m	4.5 m
Weight	6.9 kg	7.1 kg
Items no. per pallet	48	48
Kit weight	16.2 kg	---
Kits no. per pallet	30	---

* Available in 115 VAC version



24VDC

KBN24

64

ARTICULATED ARM

with integrated control unit and receiver

up to 2.1 m



CONTROL UNITS:

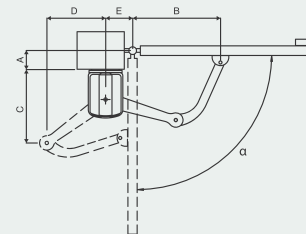
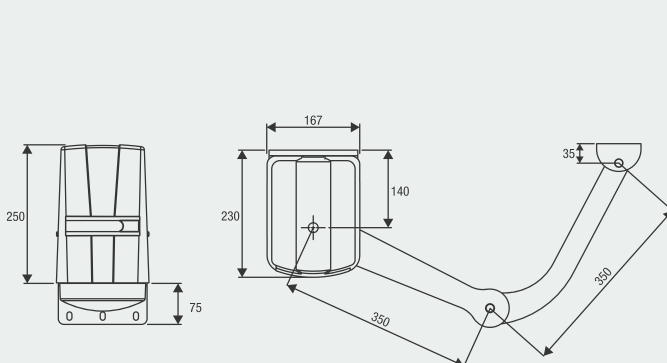
BN.E24 ——— CP.BN

159



24 Vdc | intensive use

- 24Vdc electromechanical operator for intensive use
- Suitable for gates installed on large posts
- Operation guaranteed even in the event of a power supply failure through batteries
- Amperometric sensor obstacle detection system to prevent crushing
- Equipped with mechanical stop in opening
- New adjustable wire unlock device allows opening in the event of a power supply failure



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	α
0	470	382	253	140	90°
50	470	373	261	140	90°
100	470	370	264	140	90°
150	470	375	260	140	90°
185	470	412	220	160	90°
0	420	266	327	200	110°
100	420	305	309	200	105°

COMPLETE KITS

MOTOR 1
1x **BN.E24**MOTOR 2
1x **BN.24**ARMS
2x **BA**PHOTOCELLS
1x **PUPILLA.R**FLASHING LIGHT
1x **LAMPI24.LED**SELECTOR
1x **TOKEY**TRANSMITTER
1x **TO.GO2VA**



BA
Single arm.



BN.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



L.BY
Control board for electric lock 12/24 Vdc.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



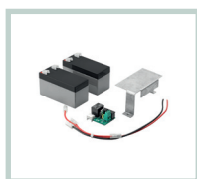
IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BN.CB
Accessory with BN.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BN24	BN.E24
Power supply	---	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	4.6 A	0.76 A
Torque	125 Nm	125 Nm
Opening time	10"	10"
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Mechanical stop	adjustable in opening	adjustable in opening
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.1 m	2.1 m
Weight	5.8 kg	7.8 kg
Version	KIT only	KIT only
Kit weight	19.9 kg	19.9 kg
Kits no. per pallet	20	20

24VDC

64

MB24 MBE24



CONTROL UNITS:

- MBE24** ——— CP.MBY24 160
- MB24** ——— BRAINY24+ 143
- BRAINY24 144

ARTICULATED ARM

with integrated control unit
personalised release key

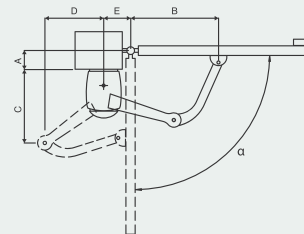
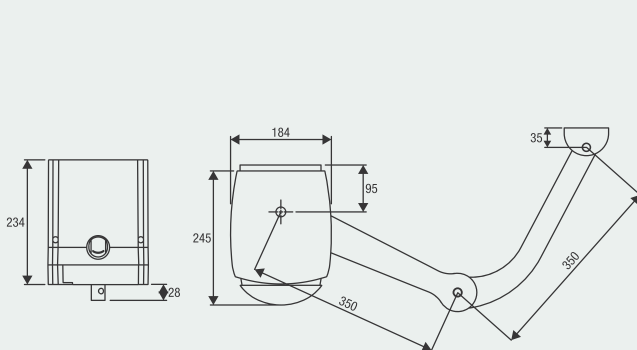
up to 2.5 m



24 Vdc | intensive use

- 24 Vdc self-locking electromechanical operator for intensive use equipped with strong, articulated and anti-shearing arm
- Suitable for gates installed on large posts
- Tempered steel mechanical features to guarantee sturdiness and solidity
- Operation guaranteed even in the event of a power supply failure through batteries
- Amperometric sensor obstacle detection system to prevent crushing
- Equipped with open and close limit switches
- Option of adjustable wire unlock device that allows opening from the outside in the event of a power supply failure

Arm not included



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	α
0	470	350	243	140	90°
50	470	339	255	140	90°
100	470	331	262	140	90°
150	470	328	264	140	90°
185	470	356	237	160	90°
200	440	410	160	200	90°
0	420	244	318	200	110°
100	420	262	310	200	105°

COMPLETE KITS							
KMB24	MOTOR 1 1x MBE24	MOTOR 2 1x MB24	ARMS 2x BA	PHOTOCELLS 1x PUPILLA.R	FLASHING LIGHT 1x LAMPI.LED	SELECTOR 1x TOKEY	TRANSMITTER 1x TO.GO2VA



BA
Single arm.



BS
Sliding arm.



MB.CP2
Set of counter plates for two operators, suitable for the installation on columns made of stones.



MB.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.

IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



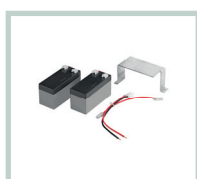
IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



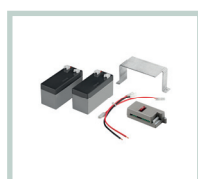
IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BRAINY24.CB-SW
Accessory equipped with 1.2 Ah batteries and support bracket.



BRAINY24.CB
Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



CBY.24V
Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



DA.BT2
2.1Ah 12 Vdc Battery.

DA.BT6
7Ah 12 Vdc Battery.



LB
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)

TECHNICAL DATA	MB24	MBE24
Power supply	---	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	6.2 A	0.76 A
Torque	180 Nm	180 Nm
Opening time	10"	10"
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.5 m	2.5 m
Weight	8.2 kg	10.7 kg
Items no. per pallet	39	39
Kit weight	25.4 kg	25.4 kg
Kits no. per pallet	12	12

230_{VAC}24_{VDC}

PREMIER PREMIER24

ARTICULATED ARM

personalised release key

up to 4.0 m



CONTROL UNITS:

PR.45E	BRAINY	134
	HEADY	135
PR.45EL	BRAINY	134
	HEADY	135
PR.45E24	BRAINY24+	143
	BRAINY24	144

Irreversible geared motor suitable for gates installed on large columns, available in 230 Vac and 24 Vdc versions. Built-in electromechanical open and close limit switches, with sturdy articulated anti-shearing arm in galvanised steel.

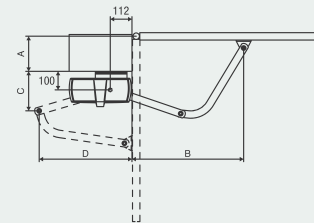
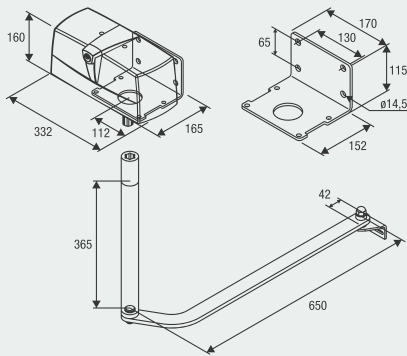
Arm not included

230 Vac

- Irreversible 230 Vac electromechanical geared motor also available in the PR.45EL version for large doors

24 Vdc | intensive use

- Irreversible 24 Vdc geared motor for intensive use
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)	D (mm)
50	883	277	429
150	851	181	466
200	828	117	475
250	800	32	469
300	846	28	468

COMPLETE KITS



MOTORS



CONTROL UNIT



ARMS



PHOTOCELLS



FLASHING LIGHT



SELECTOR



TRANSMITTER

KPR
KPR.24

2x **PR.45E**
2x **PR.45E24**

1x **HEADY**
1x **BRAINY24**

2x **DU.E2**
2x **DU.E2**

1x **PUPILLA.R**
1x **PUPILLA.R**

1x **LAMPI.LED**
1x **LAMPI24.LED**

1x **TOKEY**
1x **TOKEY**

1x **TO.GO2VA**
1x **TO.GO2VA**



DU.E2
Single galvanized steel arm.



MB.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
White full range flashing light, 20-255 VAC with built-in aerial.



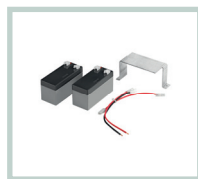
IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



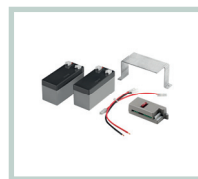
IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



BRAINY24.CB-SW
Accessory equipped with 1.2 Ah batteries and support bracket.



BRAINY24.CB
Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	PR.45E*	PR.45EL	PR.45E24*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.75 A	1.45 A	9 A
Torque	325 Nm	300 Nm	320 Nm
Opening time	13"	20"	9"
Duty cycle	30%	30%	intensive use
Protection level	IP44	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	4 m	3 m
Weight	10.5 kg	10.5 kg	9 kg
Items no. per pallet	42	42	42
Kit weight	34.6 kg	---	34 kg
Kits no. per pallet	12	---	12

* Available in 115 VAC version



DU.IT14N

DU.IT24NVE

UNDERGROUND INSTALLATION

up to 3.5 m

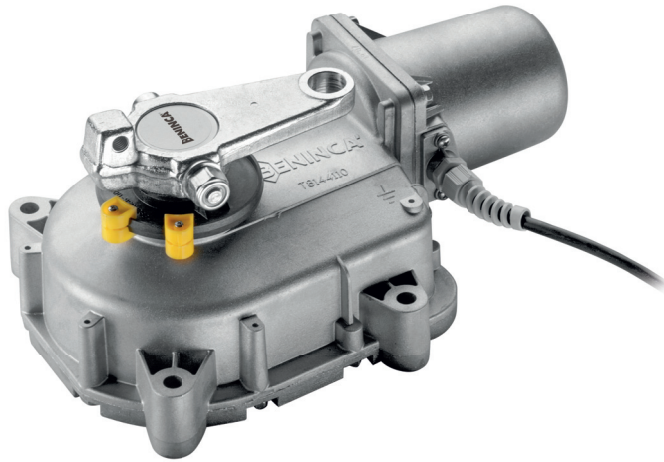
DUIT.BR ACCESSORY AVAILABLE

(FOR THE ADJUSTMENT OF MOST OF FOUNDATION BOXES IN THE MARKET)



CONTROL UNITS:

DU.IT14N	—	BRAINY	134
	—	HEADY	135
DU.IT14NE	—	BRAINY	134
DU.IT14NV	—	BRAINY	134
	—	HEADY	135
DU.IT14NVE	—	BRAINY	134
DU.IT24NVE	—	BRAINY24+	143
	—	BRAINY24	144



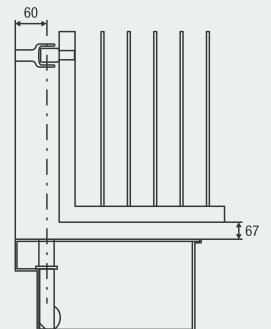
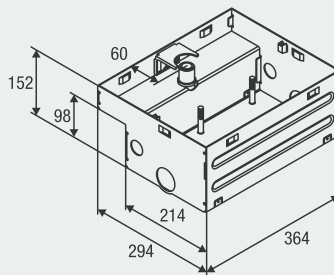
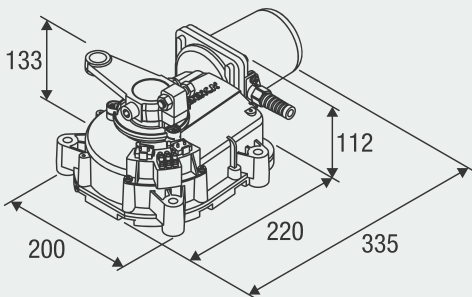
Irreversible electromechanical geared motor available in 230 Vac and 24 Vdc version, with the option of opening to 180°. Full metal mechanics and built-in mechanical stop.

230 Vac

- Irreversible 230 Vac electromechanical geared motor
- Available also in the quick version (DU.IT14NV), with encoder (DU.IT14NE) and the quick version with encoder (DU.IT14NVE)
- The encoder guarantees maximum safety and precision while the gate is moving

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation





DU.ITIX

Self-supporting stainless steel foundation box max. opening 110°. Supplied only with cover, requires release accessory SB.DUIT.L, SB.DUIT.K, SB.DU180.K or SB.DU180.L.



DU.ITCF

Self-supporting foundation box with cathoretic painted finish, max. opening 110°. Supplied only with cover, requires release accessory SB.DUIT.L, SB.DUIT.K, SB.DU180.K or SB.DU180.L.



SB.DUIT.K

Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DUIT.L

Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DU180.K

Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°.



SB.DU180.L

Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°.



DU.ITST

Adjustable mechanical open stop 75°/80°/85°/90°/95°/100°.



DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990

Covering plate for DU.V90.



E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



DUIT.BR-01

Adaptors for the installation of 2 operators compatible with the most common foundation boxes in the market.



DUIT.BR-03

Adaptors for the installation of 2 operators compatible with the most common foundation boxes in the market.



DU.FCN

Water-proof limit switches device for DU.IT14N, DU.IT14NV, DU.IT24NVE.



CABLE.24E

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.



ID.TA

Warning board.

TECHNICAL DATA	DU.IT14N*	DU.IT14NE	DU.IT14NV	DU.IT14NVE	DU.IT24NVE*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.6 A	1.6 A	1.6 A	1.6 A	11 A
Torque	370 Nm	370 Nm	220 Nm	220 Nm	280 Nm
Opening time	22"	22"	11"	11"	15"
Duty cycle	30%	30%	40%	40%	intensive use
Protection level	IP67	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES	YES
Cams' disk included	YES	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.5 m	3.5 m	2.1 m	2.1 m	3.5 m
Weight	11.3 kg	11.2 kg	11 kg	11.2 kg	10 kg
Items no. per pallet	44	44	44	44	44
DU.ITIX weight	8.1 kg	8.1 kg	8.1 kg	8.1 kg	8.1 kg
DU.ITCF weight	9.6 kg	9.6 kg	9.6 kg	9.6 kg	9.6 kg
No. of foundation boxes per pallet	32	32	32	32	32

* Available in 115 VAC version

230_{VAC}

DU.350N



UNDERGROUND INSTALLATION

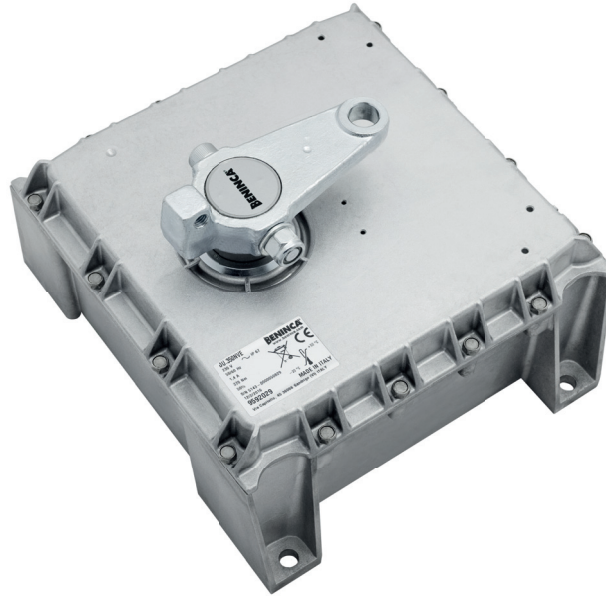
oil submerged gear

up to 4.0 m



CONTROL UNITS:

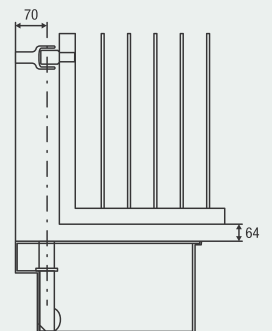
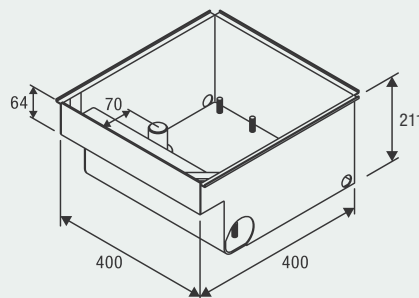
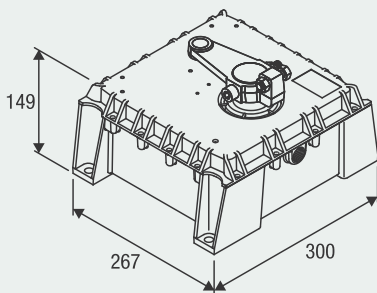
DU.350N	—	BRAINY	134
	—	HEADY	135
DU.350NV	—	BRAINY	134
	—	HEADY	135
DU.350NVE	—	BRAINY	134
DU.350NGE	—	BRAINY	134



230 Vac

- Irreversible electromechanical geared motors for gates of considerable sizes
- Adjustable mechanical stop included
- Available in the quick version (DU.350NV) for doors up to 3 m and in the version equipped with toothed wheel in cast iron (DU.350NGE)
- The version with encoder (DU.350NVE) ensures crush prevention and precision in the gate moving phases

Cams' disk not included





DU.350CF
Self-supporting foundation box with cataphoretic painted finish, max. opening angle 110°. Supplied only with cover, requires release accessory SB.DU350.L, SB.DU350.K, SB.180.K or SB.180.L.



SB.DU350.K
Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DU350.L
Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.180.K
Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°.



SB.180.L
Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°.



DU.350ST
Adjustable mechanical open stop 80°/85°/90°/95°/100°/105°.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



DU.350FC
Watertight limit switches with cam disk included.



ID.TA
Warning board.

TECHNICAL DATA	DU.350N	DU.350NGE	DU.350NV	DU.350NVE
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac
Max absorbed current	1.7 A	1.7 A	1.7 A	1.7 A
Torque	450 Nm	450 Nm	370 Nm	370 Nm
Opening time	22"	22"	16"	16"
Duty cycle	intensive use	intensive use	intensive use	intensive use
Protection level	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES
Lubrication	OIL	OIL	OIL	OIL
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	4 m	3 m	3 m
Weight	18.3 kg	20.4 kg	20.2 kg	20.2 kg
Items no. per pallet	32	32	32	32
DU.350CF weight	14.3 kg	14.3 kg	14.3 kg	14.3 kg
No. of foundation boxes per pallet	24	24	24	24