

# AUTOMATIONS FOR SWINGING GATES

up to 2,10 m



Innovative FACE pair of gears. Mechanics all in metal (Patent pending)



Quick and easy installation thanks to the tapered shape and reduced size (only 8 cm wide)



Unlock device operating from the top, very fast and easy to use

HEADY



BRAINY



HEADY24



BRAINY24



LEGEND ON PAGE 11

# BOB21M BOB2124

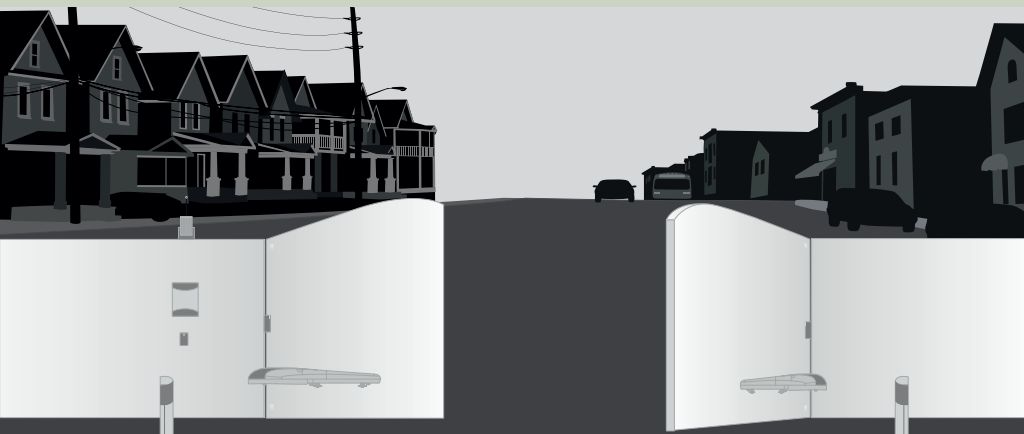
## SURFACE MOUNTING

- Self-locking, electromechanical operator, reliable and silent
- Innovative design and strong mechanical components
- Easy and fast to install thanks to the front articulation and to the two mechanical stops, adjustable both in opening and closing phases
- Strong and reliable rolled worm shaft with  $\varnothing$  20mm spherical section for a silent movement and easy manual operation
- Anti-crushing system available in BOB21ME version with encoder

### 24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system
- Available in BOB2124E version with encoder





TECHNICAL DATA	BOB21M	BOB21ME	BOB2124	BOB2124E
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,5 A	1,5 A	5,5 A	5,5 A
Thrust	1800 N	1800 N	1800 N	1800 N
Opening time	18"	18"	9"	9"
Operation cycle	30 %	30%	intensive use	intensive use
Standard stroke	270 mm	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm	325 mm
Protection level	IP 44	IP 44	IP 44	IP 44
Encoder	No	Yes	No	Yes
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	8,2 Kg	8,2 Kg	8,2 Kg	8,2 Kg
Items no. per pallet	54	54	54	54

**BOB.CS**



Lock with personalized key and cover for BOB21M/BOB2124 unlock system

**B.SR**



Multiposition brackets for one operator BOB21M/BOB2124.

**BOB.SL\***



Rear extension for models in the BOB21M and BOB30M series

**DU.V96**



12 Vdc vertical electric lock, supplied with counterplate. Permits external release

**DU.V90**



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

**DU.9990**



Covering plate for DU.V90

**E.LOCK**



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

**E.LOCKSE**



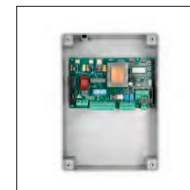
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside

**ID.TA**



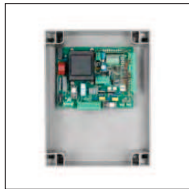
Aluminium warning board Available in different languages

**HEADY**



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 154)

**BRAINY**



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

**HEADY24**



24 Vdc control panel for swinging gates. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162) Only for BOB2124, BOB3024, BILL24 models

**BRAINY24**



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162)

**NIMH.CB**



Accessory with CBY.24V battery charger card, NIMH batteries and support.

**BRAINY24.CB**



Accessory for BRAINY24 with CBY.24V battery charger, 1.2 Ah batteries and base.

**CBY.24V**



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

**DA.BT6  
DA.BT2**

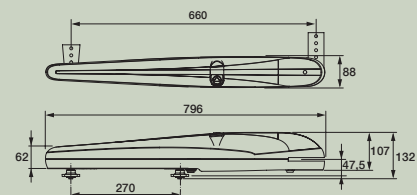


DA.BT6: 7Ah 12 VDC Battery  
DA.BT2: 2.1Ah 12 VDC Battery  
DA.BT6 need must be fitted into an external box

**NIMH**

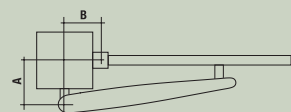


2 Ah , 24 Vdc NIMH batteries



**MEASURES**

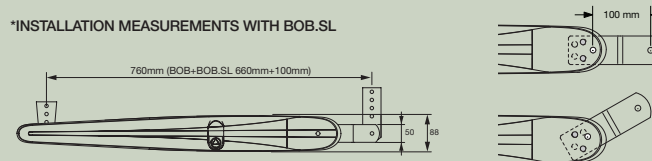
	A	B
BOB21M/BOB2124	105±135	115±135



**INSTALLATION LIMITS**

LEAF DIMENSION	MAX. WEIGHT
1,5m	350 kg
1,8m	300 kg
2,1m	250 kg

**\*INSTALLATION MEASUREMENTS WITH BOB.SL**



Using BOB.SL bracket you can have an increase of 15% in the leaf performances

**SETS AVAILABLE**

- KBOB21M 18 Sets per pallet
- KBOB21ME 18 Sets per pallet
- KBOB2124 18 Sets per pallet
- KBOB2124E 18 Sets per pallet

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# AUTOMATIONS FOR SWINGING GATES

up to 3 m



Innovative FACE pair of gears. Mechanics all in metal (Patent Pending).



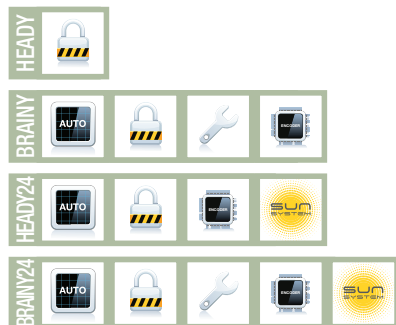
High quality materials, gear and female screw in bronze.



Unlock device operating from the top, very fast and easy to use.



Built-in lock with personalized key



LEGEND ON PAGE 11

# BOB30M BOB3024

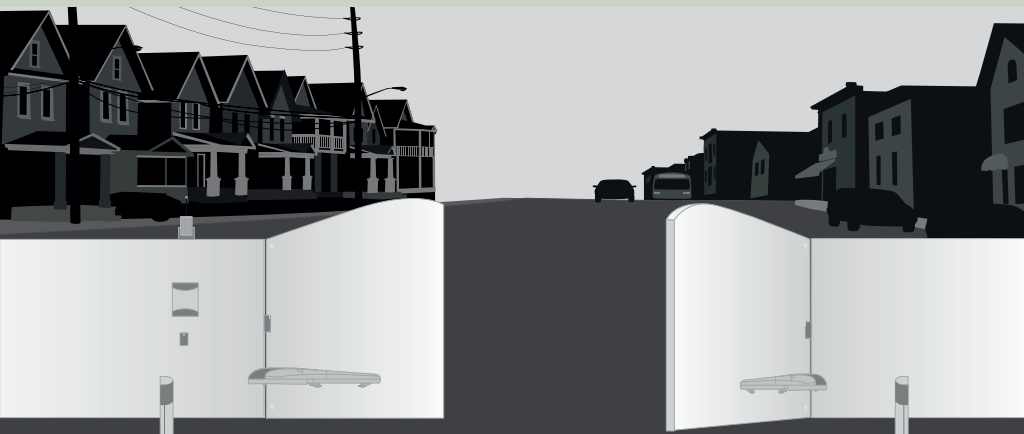
## SURFACE MOUNTING

- Self-locking, electromechanical operator, reliable and silent
- Reduced dimensions
- Easy and fast to install thanks to the front articulation and to the two mechanical stops, adjustable both in opening and closing phases
- Strong and reliable rolled worm shaft with Ø 20mm spherical section for a silent movement and easy manual operation
- Anti-crushing system available in BOB30ME version with encoder

### 24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system
- Available in BOB3024E version with encoder





TECHNICAL DATA	BOB30M	BOB30ME	BOB3024	BOB3024E
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,8 A	1,8 A	5,5 A	5,5 A
Thrust	2300 N	2300 N	1800 N	1800 N
Opening time	18"	18"	9"	9"
Operation cycle	30%	30%	intensive use	intensive use
Standard stroke	270 mm	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm	325 mm
Protection level	IP 44	IP 44	IP 44	IP 44
Encoder	No	Yes	No	Yes
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	8,2 Kg	8,2 Kg	8,2 Kg	8,2 Kg
Items no. per pallet	54	54	54	54

#### B.SR



Multiposition brackets for one operator BOB30M/BOB3024.

#### BOB.SL\*



Rear extension for models in the BOB21M and BOB30M series

#### DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release

#### DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

#### DU.9990



Covering plate for DU.V90

#### E.LOCK



230 Vac vertical electric lock, ideal for HEADY.

#### E.LOCKSE



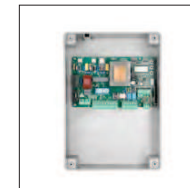
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside

#### ID.TA



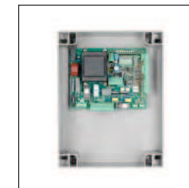
Aluminium warning board Available in different languages

#### HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 154)

#### BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

#### HEADY24



24 Vdc control panel for swinging gates. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162) Only for BOB2124,BOB3024,BILL24 models

#### BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162)

#### NIMH.CB



Accessory with CBY.24V battery charger card, NIMH batteries and support.

#### BRAINY24.CB



Accessory for BRAINY24 with CBY.24V battery charger, 1.2 Ah batteries and base.

#### CBY.24V



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

#### DA.BT6 DA.BT2

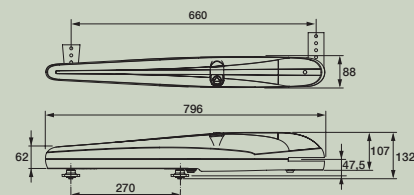


DA.BT6: 7Ah 12 VDC Battery  
DA.BT2: 2.1Ah 12 VDC Battery  
DA.BT6 need must be fitted into an external box

#### NIMH

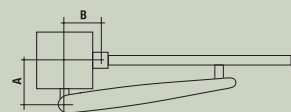


2 Ah, 24 Vdc NIMH batteries



#### MEASURES

	A	B
BOB30M/BOB3024	105÷135	115÷135

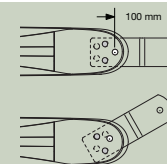
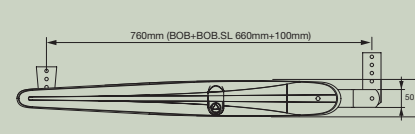


#### INSTALLATION LIMITS

LEAF DIMENSION	MAX. WEIGHT
1,5m**	400 kg
1,8m**	350 kg
2,1m**	300 kg
2,5m	250 kg
3,0m	200 kg

\*\* With BOB.SL

#### \*INSTALLATION MEASUREMENTS WITH BOB.SL



Using BOB.SL bracket you can have an increase of 15% in the leaf performances

#### SETS AVAILABLE

KBOB30M	18 Sets per pallet
KBOB30ME	18 Sets per pallet
KBOB3024	18 Sets per pallet
KBOB3024E	18 Sets per pallet

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