

PRODUCTS



Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.

# The range

## 230V A.C. operators

- BX-A** Operator for sliding gates weighing up to 400 Kg.
- BX-B** Operator for sliding gates weighing up to 800 Kg.

## 230V A.C. Control boards

- ZBX-6** BASIC control board with built-in radio decoding.
- ZBX-7** PLUS control board with built-in radio decoding.
- B4336** Device for movement control and obstacle detection for the ZBX-7 board for gates up to 300 Kg.

## Complete 230V A.C. Automation systems

- BX-E** Complete automation system with 230V A.C. motor for sliding gates weighing up to 800 Kg with built-in radio decoding and encoder.
- BX-P** Complete automation system with 230V A.C. motor for sliding gates weighing up to 600 Kg with built-in radio release system (the PRATICO SYSTEM) and 12V - 1.2Ah battery.

## Complete 24V D.C. Automation systems

- BX-241** Complete automation system with 24V D.C. motor for sliding gates weighing up to 800 Kg with built-in radio decoding and emergency-battery control card.
- BX-E241** Complete automation system with 24V D.C. motor for sliding gates weighing up to 800 Kg with built-in radio decoding, encoder and emergency-battery control card.

## Main functions

Operators	BXA/BXB	BX-P	BX-E	BX-241	BX-E241
Control boards	ZBX6	ZBX7	ZBX8	ZBX241	ZBXE24
Partial opening	●	●	●	●	●
Partial Stop	●	●	●	●	●
Inversion of opening or closing phases	●	●	●	●	●
Automatic timed closing	●	●	●	●	●
Mechanical end point	●	●	●	●	●
Electronic encoder end point			●	●	●
Electronic obstacle detection		●	●	●	●
End-of-cycle slow down adjustment in closing and opening		●		●	●
Emergency release through customised key	●	●	●	●	●
Emergency release from transmitter		●	●	●	●
Connection fitting for accessory courtesy lamp		●	●	●	●
* Battery recharge card and housing				●	●

\*2 batt. 12V-1,2Ah

● Optional function with B4336 device for gate leaves weighing up to 300 Kg.

● 230V A.C. ● 24V D.C.

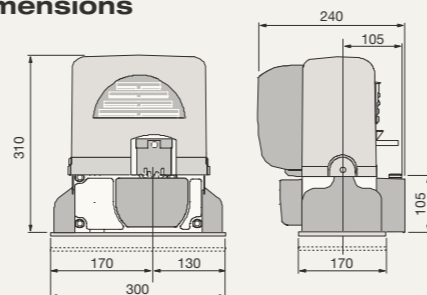
## Technical features

Type	BX-A	BX-B	BX-E	BX-P	BX-241	BX-E241
Protection rating	IP54					
Control board power supply (V)	230 A.C. 50/60 Hz					
Motor power supply (V)	230 A.C. 50/60 Hz				24 D.C.	
Current draw (A)	2,6	2,4	2,4	2	17 max	
Max power (W)	200	300	300	230	400	
Speed (m/min)	10			17,5	12	6 ÷ 12
Duty cycle (%)	30				intensive use	
Traction force (N)	300	800	800	600	700	
Operating temperature (°C)	-20 ÷ +55					

## Limits to use

Series	Max weight per gate leaf (Kg)	
	Residential	Apartment blocks
BX-A	-	400
BX-B	800	600
BX-E	800	600
BX-P	600	600
BX-241	800	600
BX-E241	800	600

## Dimensions



Operators for sliding gates weighing up to 800 Kg



## The "customisable" operator

The Bx series offers a vast range of operators for all sliding gates weighing up to 800 Kg. It is a complete series, which best meets the diverse operational and safety requirements.



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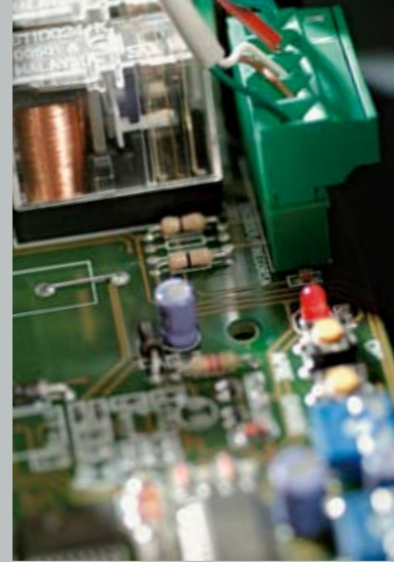


# Bx

230V 24V

Extremely practical and completely safe

Bx is the right solution when automating sliding gates. Thanks to highest levels of efficiency and safety provided by the control boards. Bx is suited for numerous application contexts, both in residential and apartment block settings. The series also offers several 24V versions to be used for intense work loads, and is ideal where there are frequent power outages.



## The electronics

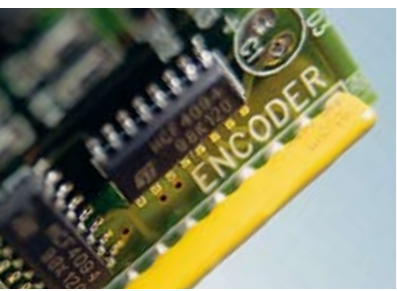
Besides the usual control and safety functions, Bx's new 230V electronics provides certain details that allows for total control of the operator and optimal working conditions of the same. Here are some examples:

- > **Total control of the gate from the transmitter** including the possibility of immediately stopping the movement of the gate leaves.
- > **Partial opening** of the gate to allow pedestrian passage.
- > **Safety even when the gate is not moving thanks to the special electronic circuit** which ignores every command if an obstacle is detected by the safety devices.



**DO AWAY**  
with laborious release procedures

**Exclusively practical.**  
BX-P is the version featuring the PRATICO SYSTEM – the user-friendly Came PATENTED device which, in the event of blackouts, releases the gearmotor through the transmitter no need to search for any keys.



**Encoder technology.**  
The gate's movement is electronically controlled, and it is safe and constant, giving you total peace-of-mind and safety when using it.



**True comfort.**  
In the event of a blackout, the electronics of the 24V versions immediately activates the emergency mode through the batteries (optional).

**Safety even when the gate is not in motion.**  
If the safety devices detect an obstacle, every command is ignored.

**Movement control.**  
Bx enables you to arrest the gate directly from the transmitter, giving you total control of the system.



**Designed to last over time.**  
The high degree of sturdiness of all the components provides maximum endurance against the atmospheric agents.

**Easier and safer operation.**  
Bx is fitted to take and control auxiliary lighting, which turns on every time the gate is opened, thus making the access easier and safer.

## The advantages of the 24V Bx

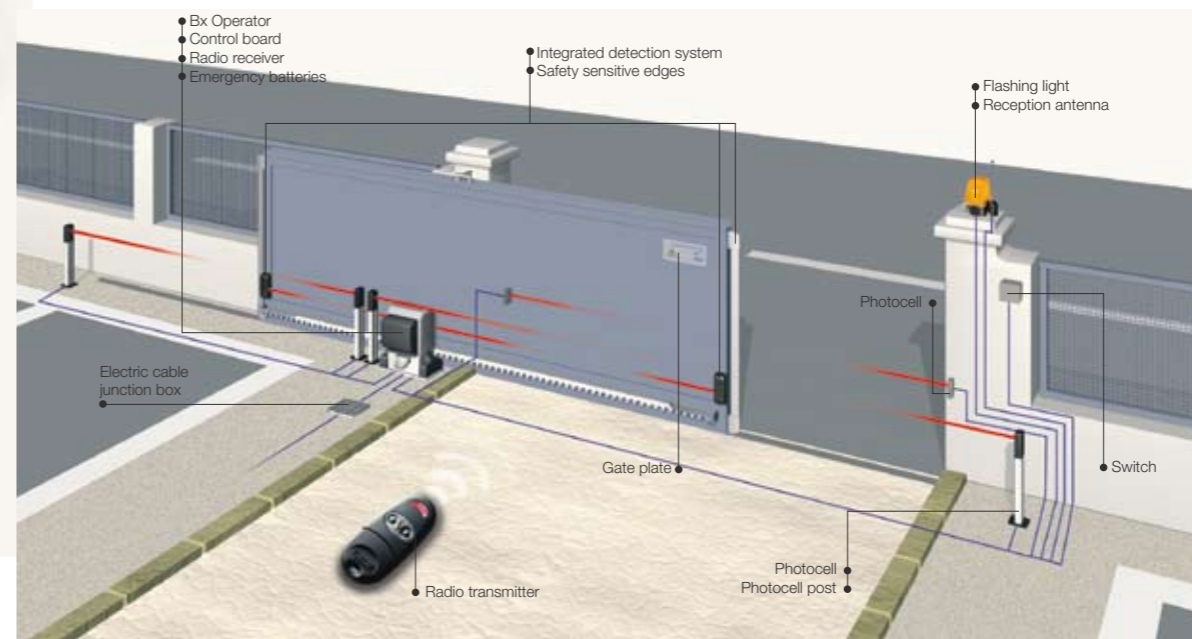


When the highest degree of comfort, performance and safety are required, Bx's 24V technology elevates the potential of the operator, particularly:

- > **Blackouts no more**  
The 24V electronics automatically detects any absence of power and activates the emergency back up batteries, to open and close the gate.
- > **Frequent passages**  
The low-voltage gearmotor guarantees functioning even in the harshest of working conditions, such as in apartment blocks and in other collective settings.
- > **Quick openings**  
Adaptable to all needs, the 24V electronics enables the adjustment of the working speed of the gate leaves and provides for a smooth, soft closing as well.
- > **Obstacle detection**  
A special electronic circuit constantly sweeps for any obstacles to the gate leaves, and if needed stops or inverts the direction of movement.



### Standard installation



In the event a careful analysis of the automated gate's risks were to require it, the use of sensitive safety infrared or contact edges becomes indispensable.

