



## Sliding Gate Operators









Compliant with UL 325 STD  
and CSA STD C22.2 No. 247  
for both the US & Canada

# The Models

Sliding gate automation is a common feature of modern residential and commercial construction. This is due to its user-friendliness and reduced use of space. CAME offers several solutions suitable for small and large sliding gates, like those installed in apartment complexes, industrial facilities or high-traffic areas. The table below showcases the range of gear motors for sliding gates depending on their performance levels, limits to use and suggested application.

Use	RESIDENTIAL	APARTMENT BLOCKS	INDUSTRIAL	INTENSIVE USE
				
Series	Model	Max weight of gate leaf (lbs.)		
Bx-243	001BX-243U	660		YES
Bx-243C	001BX-243CU	660		YES
Bx	001BX-246U	1,320	1,320	1,320
Bx	001BX-246CU	1,320	1,320	1,320
Bk	001BK-810U	1,760	1,760	1,760
Bk	001BK-810CU	1,760	1,760	1,760
Bk	001BK-1810U	3,970	3,970	3,970
Bk	001BK-1810CU	3,970	3,970	3,970
Bk	001BK-2200T		4,850	4,850

● 120V A.C. ● 24V D.C. ● 230V A.C. 3-phase

Note: 3-Phase operators are not UL certified.



BX-243



BX-246



BK-1810



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# CAME is versatile

There is no "single solution" for all installations. This philosophy leads us to continue our technological advancements and manufacture a complete range of sliding operators and accessories.





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# Bx-243 Sliding Gate Operators

CAME ensures all their products are up to the highest safety standards, style and functionality. The Bx-243 has undergone testing to bring it up to the United States and Canada standards in terms of the impact forces generated by the gate leaf movement. This is the ideal solution for residential installations for sliding gates up to 660 pounds, and features a complete operator, equipped with encoder-based movement control.

## Up to the test

It's sleek. It's new. It features an innovative gear motor tested in compliance with U.S. safety standards in regards to impact forces. Bx-243 provides a complete automation system for sliding gates.



### Emergency, back-up batteries

Bx-243's 24V D.C. electronics can accept an additional LB90 card which detects any lack of power and activates the battery-powered emergency mode (optional).



### Encoder technology

The encoder constantly and accurately controls the gate leaf movement allowing for total safety.



### Built-in end stops

Bx-243 controls the gate run thanks to the built-in end stops protected within the gear motor assembly.



### The Bx-243 offers many innovative features, including:

#### No more blackouts!

Bx-243's 24V D.C electronics automatically detects any lack of power and activates the emergency mode that operates on back-up batteries (optional).

#### Easy, manual release.

Thanks to the practical release lever, protected by a locked door, even manual release during emergencies becomes a quick and simple procedure.



# State-of-the-Art Technology

Beyond the standard control and safety functions, Bx-243's innovative electronics provide certain enhancements that allow for total control of the operator and optimized functionality. For example:

- **Signal LED**  
Built into the control board to provide easy diagnosis of all system functions.
- **Simplified installation**  
Thanks to its connection to a tri-polar cable and the horizontally-positioned card.
- **Built-in end points**  
Protected within the gear motor assembly.



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## The Advantages of the Bx-243

Having undergone testing to bring it up to the highest U.S. standards in terms of the impact forces generated by the gate leaf movement, Bx-243 is the optimal solution for residential sliding gate installations. It features a 24V D.C. gear motor and provides a complete operator, equipped with encoder-based movement control and the horizontally-positioned card.

# Bx-243 Sliding Gate Operators

for up to 660 lbs.



### Slide gate operator system with 24V D.C. motor



#### 001BX-243CU

Slide gate operator system complete with control board, chain drive, radio decoder, encoder-based movement control and obstacle detection devices. Plus, mechanical endstops for sliding gates of up to 660 lb. and 28 ft.

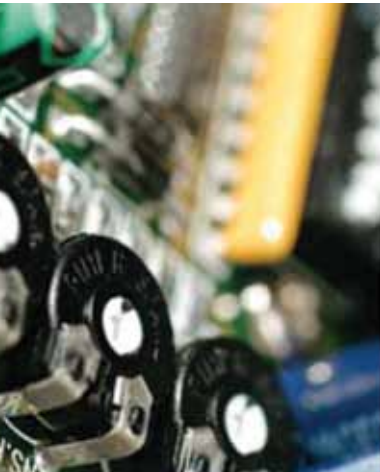


#### 001BX-243U

Slide gate operator system complete with control board, rack and pinion transmission, radio decoder, encoder-based movement control and obstacle detection devices. Plus, mechanical endstops for sliding gates of up to 660 lb. and 28 ft.



# Bx-243 Kits & Technical Features



	Product Code	Operator Model (1 included)	Back-end Pinion Trans.	Chain-drive 16' FL	Max. Gate Weight	24V Electronic Control Board	2 Remote 001TOP-432NA	Receiver Card 001AF43S	Photocells 001DIR10	Extnl. Antenna 001TOP-A443N	001KIARD24N Flashing Light	Battery Back-up Card 002LB90
Basic	KT-SL-BX/P-B0314-1	001BX-243U	•		660	•	•	•				
	KT-SL-BX/C-B0314-1	001BX-243CU		•	660	•	•	•				
Professional	KT-SL-BX/P-P0314-1	001BX-243U	•		660	•	•	•	•			
	KT-SL-BX/C-P0314-1	001BX-243CU		•	660	•	•	•	•			
Expert	KT-SL-BX/P-E0314-1	001BX-243U	•		660	•	•	•	•	•	•	•
	KT-SL-BX/C-E0314-1	001BX-243CU		•	660	•	•	•	•	•	•	•

## Technical features

Type	001BX-243U/CU
Protection rating	IP54
Power supply (V) (50/60Hz)	120V A.C.
Motor power supply (V)	24V D.C.
Current draw (A)	7 Max
Max Power (HP)	1/4
Maneuver speed (m/min)	12
Duty cycle (%)	Intensive use
Traction force (N)	300
Operating temperature (°F)	-4°F up to 131°F

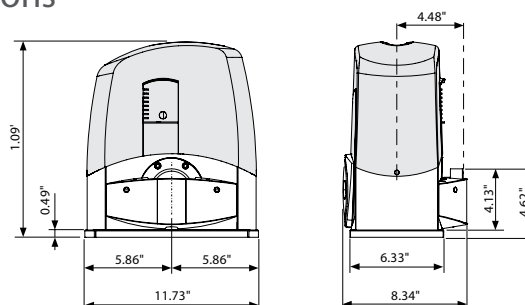
● 24V D.C.

## Limits to use

Model	001BX-243U/CU
Max weight of gate leaf (lb.)	660
Max length of gate leaf (ft.)	28

● 24V D.C.












## Dimensions



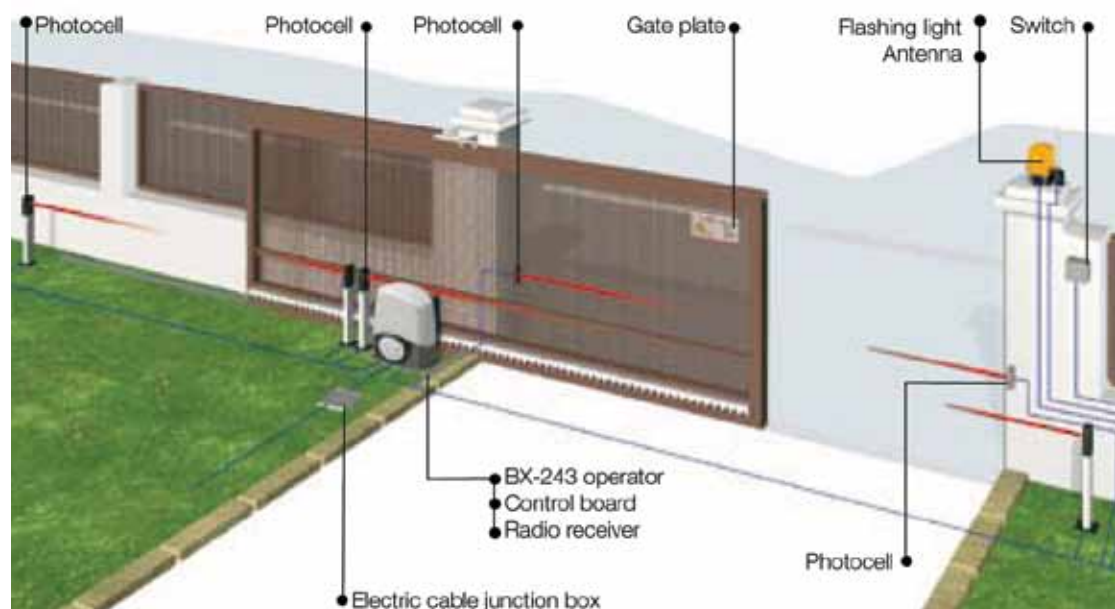
# Bx-243 Accessories



Compliant with UL 325 STD and CSA STD C22.2 No. 247 for both the US & Canada

	<b>002LB90</b>	Card for connecting up two 12V - 1.2Amp emergency batteries with rack	
	<b>009CGZ</b>	Galvanized rack in rolled steel .86 x .86 in module 4	
	<b>009CGZP</b>	Rack in PA6 nylon and fibreglass with steel core .78 x .78 in. module 4, with securing holes and distancers, for sliding gates of up to 661 lbs.	
	<b>009CGZS</b>	Galvanized rack in rolled steel 1.18 x .31 in. module 4 with securing holes and distancers	
	<b>009BCAT</b>	Galvanized chain 0.19 in DIN 766 G 30 TYPE A	
	<b>001AF43S</b>	433.92 MHz plug-in radio frequency receiver card	
	<b>001TOP-432NA</b>	Bi-channel multi-user remote control. 4,096 self-learning combinations	
	<b>001DIR10</b>	Pair of photocells. Range: 32 ft.	
	<b>001TOP-A433N</b>	Antenna (433.92MHz)	
	<b>001KIARO24N</b>	Warning flashing light	

## Standard installation

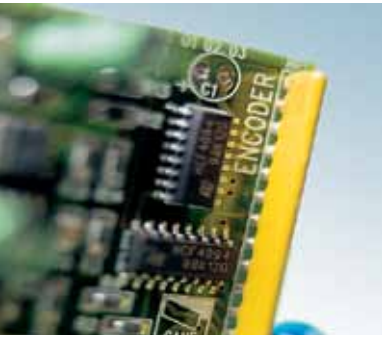




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# Bx-246 Sliding Gate Operators

The Bx-246 is a dependable operator and the right solution for automated sliding gates of up to 1,320 pounds. Because the highest levels of efficiency and safety are provided by the control boards, Bx-246 is suited for numerous applications, both in residential and apartment complexes. The Bx series also offers a vast range of 24V D.C. versions to be used in high-traffic areas, and is ideal in areas with frequent power outages.



## Encoder Technology

The encoder constantly and accurately controls the gate leaf movement allowing for total safety.

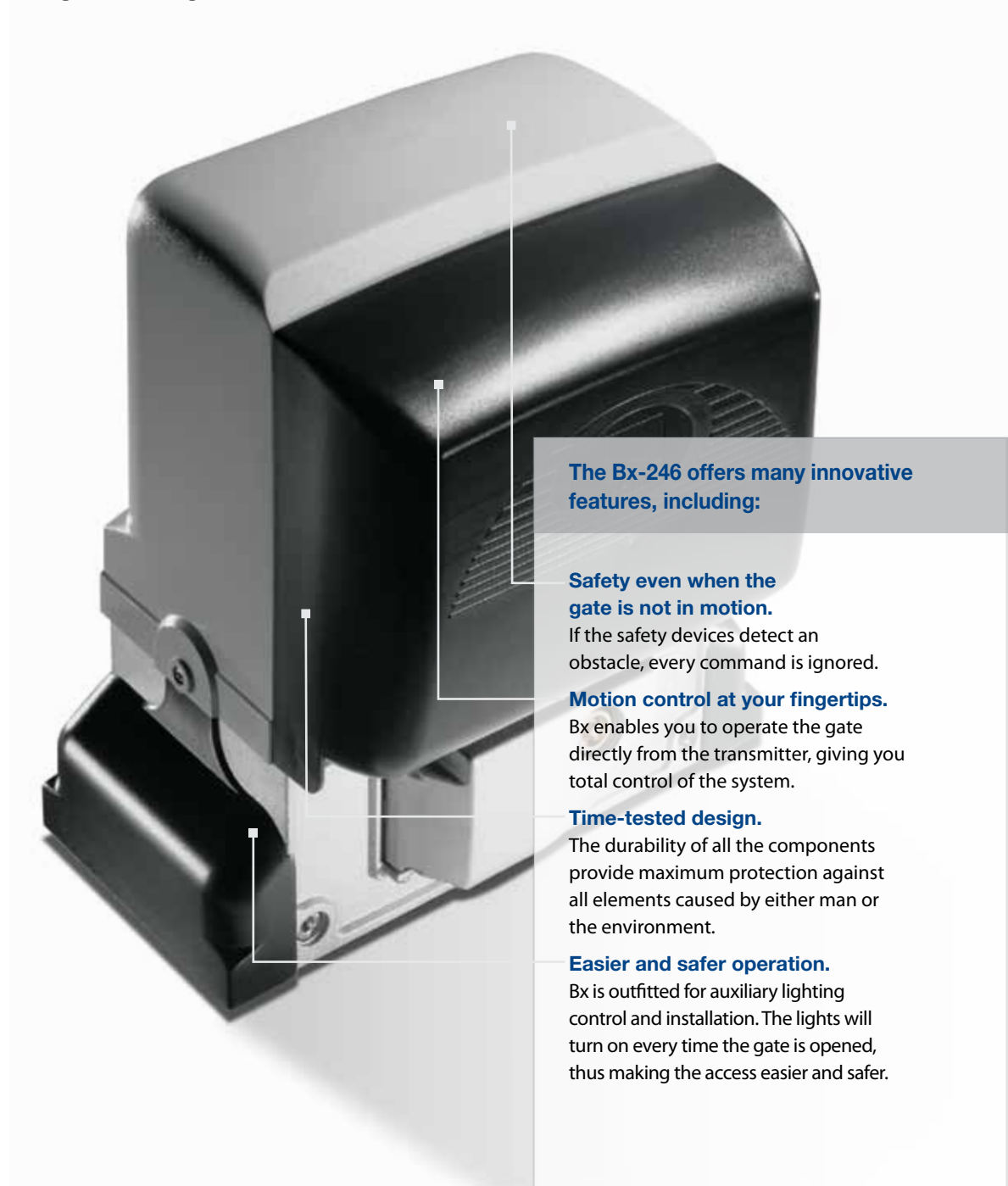


## UL Tested.

The Bx-246 model, besides having the advantages of 24V D.C systems, is tested according to the parameters set by 325 U.S. standards, for maximum impact forces generated by the gate-leaf during movement.

## Innovative electronics

The Bx series complies with current U.S. safety standards with a range of operators suitable for all sliding gates with gate leaves of up to 1,320 pounds. The Bx series has specifically been designed to meet every operational and safety need in the market. It features 24V D.C. models for all applications and high-traffic settings.



**The Bx-246 offers many innovative features, including:**

### Safety even when the gate is not in motion.

If the safety devices detect an obstacle, every command is ignored.

### Motion control at your fingertips.

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

### Time-tested design.

The durability of all the components provide maximum protection against all elements caused by either man or the environment.

### Easier and safer operation.

Bx is outfitted for auxiliary lighting control and installation. The lights will turn on every time the gate is opened, thus making the access easier and safer.



# State-of-the-Art Technology

The Bx-246 is the solution for automating medium-sized sliding gates. Because of high levels of efficiency and safety, it is suited for numerous applications, in residential apartment complexes and other mixed-use settings. The BX series offers an array of 24V D.C. models to be used in demanding, high-traffic areas and is ideal in areas with frequent power outages. The control boards are all latest-generation and fitted with state-of-the-art commands for a complete system. Needless to say, they can be integrated at any time with any of CAME's safety and command accessories.

- **Total control of the gate from the transmitter**

Including the possibility of immediately stopping the movement of the gate leaves.

- **Partial opening**

Allows pedestrian passage with partial opening.

- **Safety even when the gate is not moving**

Thanks to the special electronic circuit that ignores every command if an obstacle is detected by the safety devices.



Compliant with UL 325 STD and CSA STD C22.2 No. 247 for both the US & Canada

## The Advantages of the Bx-246

When the highest degree of peace of mind, performance and safety are required, Bx's 24V D.C technology enhances the power potential of the operator. For example:

- **No more blackouts!**

The 24V D.C. electronics automatically detect any power outage and activate the emergency back-up batteries, to open and close the gate.

- **Frequent passages**

The low-voltage gear motor guarantees functionality even in very demanding, high-traffic areas, such as apartment complexes and other mixed-use settings.

- **Quick openings**

Adaptable to all needs, the 24V D.C. electronics enable the adjustment of the working speed of the gate leaves and provide for a smooth, gentle 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.

# Bx-246 Sliding Gate Operators

for up to 1,320 lbs.



### Slide gate operator system with 24V D.C. motor



#### 001BX-246CU

Slide gate operator system complete with control board, chain drive, radio decoder, encoderbased movement control and obstacle detection devices. Plus, mechanical endstops for sliding gates of up to 1,320 lb and 59 ft. Fitted to take two 12V – 1.2 Amp batteries.



#### 001BX-246U

Slide gate operator system complete with control board, rack and pinion transmission, radiodecoder, encoder-based movement control and obstacle detection devices. Plus, mechanical endstops for sliding gates of up to 1,320 lb and 59ft. Fitted to take two 12V – 1.2 Amp batteries



# Bx-246 Kits & Technical Features



	Product Code	Operator Model (1 included)	Back end Pinion Trans.	Chain-drive	Max. Gate Weight	24V Electronic Control Board	2 Remote 001TOP-432NA	Receiver Card 001AF43S	PhotoCells 001DIR10	Extnl. Antenna 001TOP-A463N	001KIAROS2AN Flashing Light	Battery Back-up Card 002LB90
Basic	KT-SL-BX/P-B0614-1	001BX-246U	•		1,320	•	•	•				
	KT-SL-BX/C-B0614-1	001BX-246CU		•	1,320	•	•	•				
Professional	KT-SL-BX/P-P0314-1	001BX-246U	•		1,320	•	•	•	•			
	KT-SL-BX/C-P0614-1	001BX-246CU		•	1,320	•	•	•	•			
Expert	KT-SL-BX/P-E0614-1	001BX-246U	•		1,320	•	•	•	•	•	•	•
	KT-SL-BX/C-E0614-1	001BX-246CU		•	1,320	•	•	•	•	•	•	•

## Technical features

Type	001BX-246U/CU
Protection rating	IP54
Power supply (V) (50/60Hz)	120V A.C.
Motor power supply (V)	24V D.C.
Current draw (A)	10 Max
Power (HP)	1/2
Maneuver speed (m/min - ft/s)	6/0.33 - 12/0.65
Duty cycle (%)	Intensive Use
Thrust (N)	700
Motor's thermo-protection (°F)	-
Operating temperature (°F)	-4°F up to 131°F

● 24V D.C.

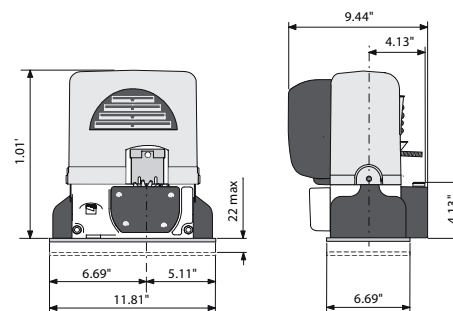
## Limits to use

Model	001BX-246U/CU
Max weight of gate leaf (lb.)	1,320
Max length of gate leaf (ft.)	59.05

● 24V D.C.

## Dimensions

**NOTE:**  
To activate the release device, you will need a radio frequency snap-in card of the same series that is required for the automation's radio command.



# Bx-246 Accessories



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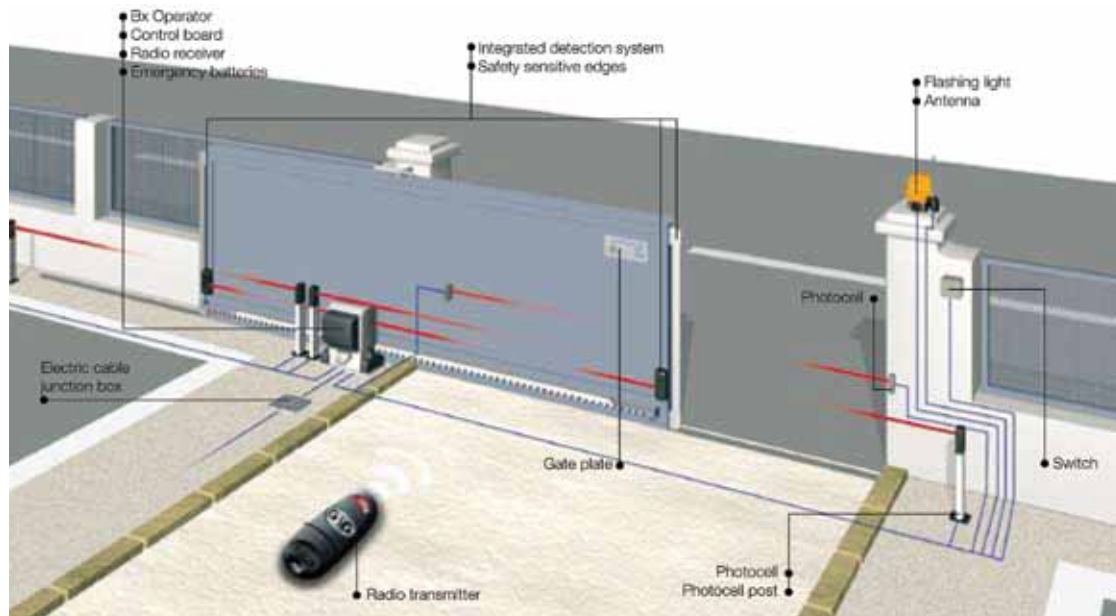
24V

## Accessories



<b>001R001</b>	Lock cylinder with DIN key
<b>009CCT</b>	1/2 in. simple chain
<b>009CGIU</b>	Joint for 1/2 in. chain
<b>002LB90</b>	Card for connecting two 12V – 1.2Amp emergency batteries for 12 BX-246
<b>009CGZ</b>	Galvanized rack in rolled steel .86 x .86 in. module 4
<b>009CGZP</b>	Rack in PA6 nylon and fiberglass with steel core .78 x .78 in. module 4, with securing holes and distancers, for sliding gates of up to 661 lbs.
<b>009CGZS</b>	Galvanized rack in rolled steel 1.18 x .31 in. module 4 with securing holes and distancers
<b>001AF43S</b>	433.92 MHz plug-in radio frequency receiver card
<b>001TOP-432NA</b>	Bi-channel multi-user remote control. 4,096 self-learning combinations
<b>001DIR10</b>	Pair of photocells. Range: 32 ft.
<b>001TOP-A433N</b>	Antenna (433.92MHz)
	Warning flashing light

## Standard installation





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# Bk Series

## Sliding Gate Operators

The entire Bk series provides the complete solution when gate automation is required in apartment complexes, commercial and mixed-use settings for slide gates up to 4,850 pounds. The product range includes five (5) different versions, each designed to meet any installation requirement and operational need.

This includes a 3-phase powered model for commercial facilities. Bk stands for cutting-edge technology when it comes to durability and safety, as required by CAME standards.



### Self Diagnostics.

Blocks the system from working if one of the photocells or sensitive edges malfunctions, and the auxiliary lighting of the driving area, which is directly controlled by the control board, turns on.



### Easy and safe operation.

Bk can be connected to and control any auxiliary lighting, which turns on each time the gate opens, making access easier and safer.

### Total automation flexibility

The Bk Series provides top-notch style, service and safety. When the utmost in power, performance and reliability is needed, the Bk 3-phase technology enables the operator to reach its full potential. For example, the "self diagnostics of the safety circuits" blocks the system from working if one of the photocells or sensitive edges malfunctions; and the "auxiliary lighting of the driving area" is directly controlled by the control board.



### The Bk Series offers many innovative features, including:

#### Active safety features testing.

Prior to operating the gate, the built-in feature tests the proper functioning of all safety devices within the system.

#### Attention to detail.

The integrated mounting and adjustment system for the gear motor is located inside the operator. This makes it even safer when floor-mounting the unit.

#### Designed to last.

Carefully selected, time-tested materials give Bk dependability and durability to withstand high-traffic areas that demand constant use.



# State-of-the-Art Technology

Besides the standard command and safety functions, the electronics found in the Bk series provides certain features that enable total control and optimal performance. For example:

- **Safe and simplified access**  
With the option of connecting and controlling auxiliary lighting for the access area.
- **Partial opening**  
To allow pedestrian access, without having to open the gate entirely.
- **System's active safety-devices test**  
Performed prior to each gate's opening and closing.



Compliant with UL 325 STD and CSA STD C22.2 No. 247 for both the US & Canada

## The Advantages of Bk Series

When the highest degree of peace of mind, performance and safety are required, the Bk 3-phase technology enables the operator to reach its full potential.

### Increased thrust when in operation

The 230V, 3-phase technology provides additional dynamic thrust during the initial stage of the opening and closing phases, thus addressing any issues concerning the weight of the gate.

### Frequent accesses

The 3-phase operator ensures continued operation even under very demanding conditions, such as in commercial settings.

# Bk Series

## Sliding Gate Operators for up to 4,850 lb.



### Complete heavy duty slide gate operator systems with 120V A.C. motor

- 001BK-810CU** Slide gate operator system complete with control board, chain drive, radio decoder and mechanical endstops for sliding gates of up to 1,760 lbs and 65 ft.
- 001BK-810U** Slide gate operator system complete with control board, rack and pinion transmission, radio decoder and mechanical endstops for sliding gates of up to 1,760 lbs and 65 ft.
- 001BK-1810CU** Slide gate operator system complete with control board, chain drive, radio decoder and mechanical endstops for sliding gates of up to 3,970 lbs and 65 ft.
- 001BK-1810U** Slide gate operator system complete with control board, rack and pinion transmission, radio decoder and mechanical endstops for sliding gates of up to 3,970 lbs and 65 ft.

### Heavy duty slide gate operator system with 230 - 400V A.C. 3-phase

- 001BK-2200T** Operator with module 6 pinion transmission for sliding gates of up to 4,850 lbs and 75.45 ft.



### Control panels for 230 - 400V A.C. 3-phase operator



- 002ZT6** Control panel with built-in radio decoder and self-diagnosing safety devices
- 002ZT6C** Control panel, complete with safety block and buttons, including a built-in radio decoder and self-diagnosing safety devices



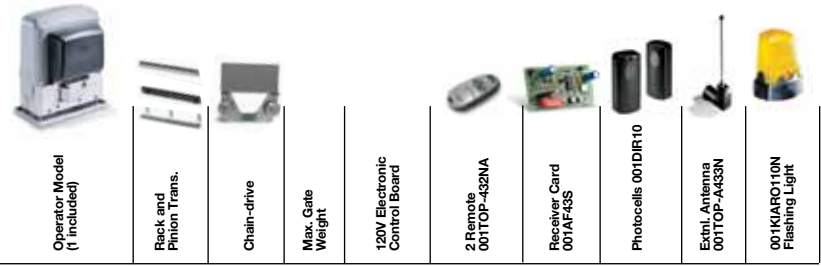
Note: 3-Phase operators are not UL certified.



### Inertia control

The weight of large gates used at industrial facilities is often an issue. The considerable mass of the gate generates passive inertia at the end of the opening and closing phases.

# Bk Series Kits & Technical Features



	Product Code	Operator Model (* Included)	Rack and Pinion Trans.	Chain-drive	Max. Gate Weight	120V Electronic Control Board	2 Remotes 001TOP-432NA	Receiver Card 001AP43S	Photocells 001DIR10	Extnl. Antenna 001TOP-A433N	001KAR010N Flashing Light
Basic	KT-SL-BK/P-B0810-1	001BK-810U	•		1,760	•	•	•			
	KT-SL-BK/C-B0810-1	001BK-810CU		•	1,760	•	•	•			
	KT-SL-BK/P-B1810-1	001BK-1810U	•		3,970	•	•	•			
	KT-SL-BK/C-B1810-1	001BK-1810CU		•	3,970	•	•	•			
Professional	KT-SL-BK/P-P0810-1	001BK-810U	•		1,760	•	•	•	•		
	KT-SL-BK/C-P0810-1	001BK-810CU		•	1,760	•	•	•	•		
	KT-SL-BK/P-P1810-1	001BK-1810U	•		3,970	•	•	•	•		
	KT-SL-BK/C-P1810-1	001BK-1810CU		•	3,970	•	•	•	•		
Expert	KT-SL-BK/P-E0810-1	001BK-810U	•		1,760	•	•	•	•	•	•
	KT-SL-BK/C-E0810-1	001BK-810CU		•	1,760	•	•	•	•	•	•
	KT-SL-BK/P-E1810-1	001BK-1810U	•		3,970	•	•	•	•	•	•
	KT-SL-BK/C-E1810-1	001BK-1810CU		•	3,970	•	•	•	•	•	•

## Technical features

Type	001BK-810U/CU	001BK-1810U/CU	BK-2200T
Protection rating	IP54	IP54	IP54
Power supply (V) (50/60Hz)	120V A.C.	120V A.C.	220V A.C. 3-phase
Motor power supply (V) (50/60Hz)	120V A.C.	120V A.C.	220V A.C. 3-phase
Current draw (A)	4,5	4,2	1,5
Power (HP)	3/4	1/2	1
Maneuvre speed (m/min - ft/s)	10,5/0,57	10,5/0,57	10,5/0,57
Duty cycle (%)	Intensive use	50	50
Thrust (N)	800	1150	1650
Motor's thermo-protection (°F)	302	302	302
Operating temperature (°F)		-4°F up to 131°F	

Note: 3-Phase operators are not UL certified.

● 120V A.C. ● 230V A.C. 3-phase

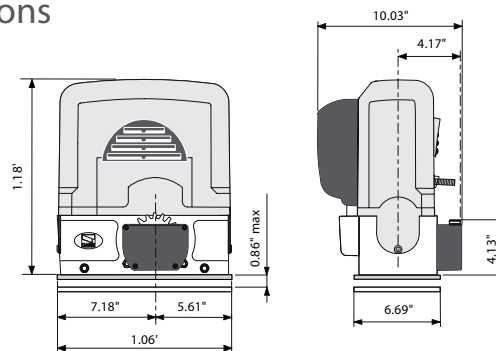
## Limits to use

Model	001BK-800U/CU	001BK-1800U/CU	001BK-2200T
Max weight of gate leaf (lb.)	1,760	3,970	4,850
Max length of gate leaf (ft.)	65.61	65.61	75.45

Note: 3-Phase operators are not UL certified.

● 120V A.C. ● 230V A.C. 3-phase

## Dimensions



Gear motor and control panel powered by  
3-phase, 230-400V A.C. line voltage




24V D.C. gear motor powered  
directly from the control panel.

# Bk Series Accessories

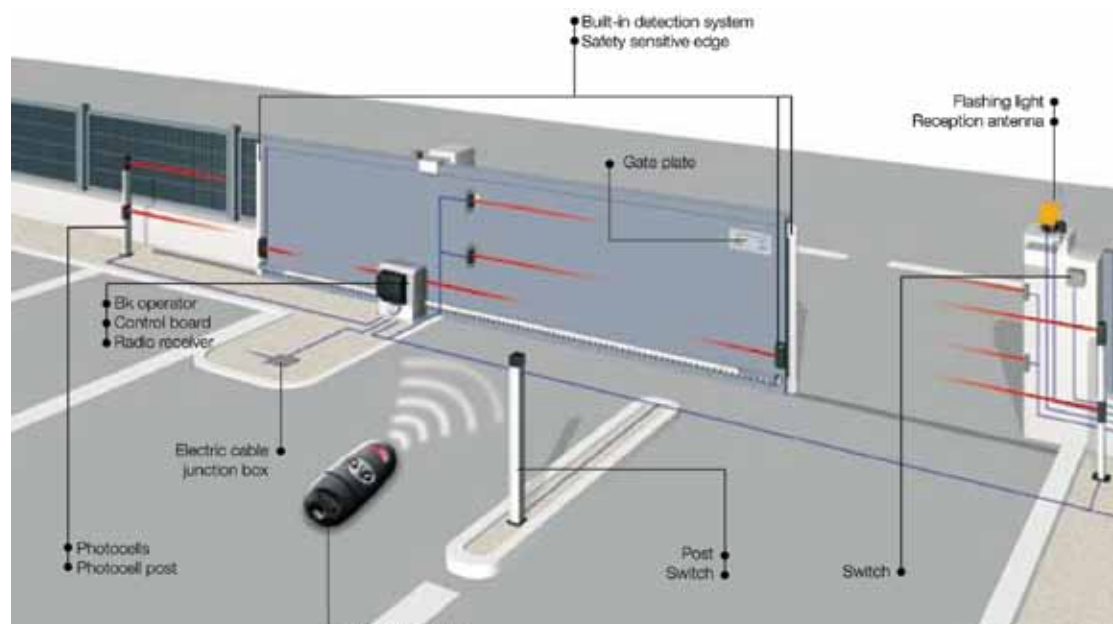


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## Accessories

	<b>001R001</b> Lock cylinder with DIN key
	<b>009CCT</b> 1/2 in. simple chain for B4337009
	<b>CGIU</b> Joint for 1/2 in. chain
	<b>009CGZ</b> Galvanized rack in rolled steel .86 x .86 in. module 4
	<b>009CGZS</b> Galvanized rack in rolled steel 1.18 x .31 in module 4 with securing holes and spacers
	<b>009CGZ6</b> Galvanized rack in rolled steel 1.18 x 1.18 in module 6
	<b>001AF43S</b> 33.92 MHz plug-in radio frequency receiver card
	<b>001TOP-432NA</b> Bi-channel multi-user remote control. 4,096 self-learning combinations
	<b>001DIR10</b> Pair of photocells. Range: 32 ft.
	<b>001TOP-A433N</b> Antenna
	<b>001KIARO110N</b> Warning flashing light

## 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.



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The information indicated in this brochure should be considered subject to change at any time without forewarning by CAME Americas Automation.

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