


Operators
for industrial
and residential
entrances



Cbx

**Exclusive operator
for industrial and
residential entrances**

Designed especially for installation on sectional doors with "direct grip" transmission, the new Cbx is ideal for operating all types of industrial sliding and sliding folding door systems.



CAME
AUTOMATIC GATES

Cbx

230V 24V 230/400V 3-phase

Exclusive operator for industrial and residential entrances

Ideal for operating industrial sectional and sliding gate systems, the Cbx with its 110V/230V A.C., 24V D.C. and three-phase 110V/230V-400V A.C. offers innovative solutions, especially in controlling access to apartment blocks and residential environments.



Special size needs.

All Cbx series models can be installed in a horizontal position.

Countless strong points, all in the name of innovation

The 1" crankshaft for "direct grip" application on sectional doors.



Integrated lever for releasing the gearmotor: permits manual operation of the gate in the event of power outage. In industrial applications and on very large doors, the release function can be further facilitated with the use of a special suspended cord or with a personalized key device.

New compact and essential design: simplifies and improves application of the Cbx in several types of closures and in areas where space is at a premium.



No limits to its use.

The exclusive mechanism for manual manoeuvring is equally at home with horizontal or vertical operator. Designed especially for application on sectional doors, this system allows total opening of the door without triggering the release device.

Sectional Door



Sliding Door



Folding sliding door



Cbx with mechanical endstops

A high degree of utility and versatility are the features of the Cbx range of entrance models. The modular control electronics and the range of models offer an ample choice of combinations, thus providing just the right solution to all and any application needs: from the small workshop to the large industrial facility.

Permanent micrometric adjustment

The practical micrometric lever enables optimal and constant adjustment of the doors closing position.

Cbx with ENCODER

The new control panels, a standard feature of the Cbx series, offer truly innovative special functions. A whole new concept in terms of functions and safety as well as in terms of simplification of system installation and programming procedures.

- > **Encoder-technology electronic control:** this enables reliable obstacle sensing, as well as exact adjustment of the “slow-down” and physical stop points.
- > **Digital programming** of the features with viewing on the display.
- > **Serial command:** enables centralized management and control of the closure through a PC. A standard feature of the Cbx is the software that manages up to 16 operators.
- > **Reduced force** and lower speed in the end stop phase (programmable). Adjustable slow-down speed in opening and closing operations.
- > **Programming of the differentiated control functions** (e.g. opening with automatic command/closing with maintained action command).
- > **Electronic control** of movement with obstacle detection (anti-crushing function).
- > **Comprehensive AUTOTEST** of all the safety devices connected to the system prior to activating the motor (electronic autotest).
- > **Utmost safety even with the gate stopped:** controls are immediately deactivated if an obstacle is detected by the safety devices.
- > **Control and management of the entries:** this function makes it possible to enable/disable authorization for up to 250 users with magnetic card or radio-controlled with personalized codes.
- > **Multi-user radio decoder:** with the AF43S radio card, the electronic unit in the same system recognizes signals emitted by all the Came transmitters at 433,92 MHz (Top-Tam-Atomo series).
- > **Programmable functions** of the personalized command: these enable to diversify the type of commands depending on the user’s needs.



Total entry control

Every automatic device can be connected to many of the Came access control systems that can identify, memorize and allow entry or exit only to authorized personnel.

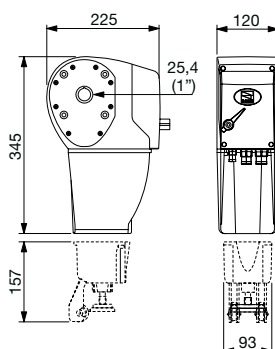
The equipment can also be integrated with a global access control system for specific departments in a company or the services offered by a collective or apartment block structure.

Limits to use

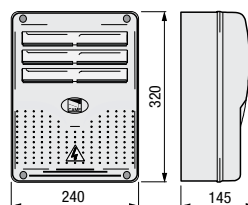
Type of use	C-BX / C-BXE / C-BXK / C-BXEK	C-BXE24	C-BXT / C-BXET
Residential	YES	YES	NO
Apartment blocks	YES	YES	NO
Industrial	NO	NO	YES

120V A.C. - 60 Hz PRODUCTS, PLEASE CHECK OUR PRICE LIST ● 230V A.C. ● 24V D.C. ● 230-400V A.C. 3-phase

Dimensions



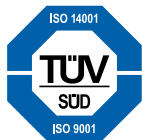
Accessory C010



ZC3 - ZC3C - ZM3EC - ZCX10 - ZCX10C - ZL80 - ZL80C



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

- C-BX** Operator with mechanical endstop (450W).
- C-BXE** Operator with encoder (450W).
- C-BXK** Operator with mechanical endstop (750W).
- C-BXEK** Operator with encoder (750W).

230V A.C. control panels

- ZC3** Control panel with manoeuvre thrust function, built-in radio decoder and self-diagnosing safety devices. For C-BX and C-BXK operator.
- ZC3C** Control panel with manoeuvre thrust function, built-in radio decoder, safety block and buttons and self-diagnosing safety devices. For C-BX and C-BXK operator.
- ZM3EC** Multifunction control panel complete with safety block and buttons, built-in radio decoder and self-diagnosing safety devices. For C-BX and C-BXK operator.
- ZCX10** Control panel with display, built-in radio decoder and self-diagnosing safety devices. For C-BXE and C-BXEK operator.
- ZCX10C** Control panel complete with safety block and buttons, display, built-in radio decoder and self-diagnosing safety devices. For C-BXE and C-BXEK operator.

24V D.C. operator

- C-BXE24** Operator with encoder.

24V D.C. control panels

- ZL80** Control panel, complete with display, built-in radio decoder and self-diagnosing safety devices.
- ZL80C** Control panel complete with safety block and buttons, display, built-in radio decoder and self-diagnosing safety devices.

230-400V A.C. 3-phase operators

- C-BXT** Operator with mechanical endstops.
- C-BXET** Operator with encoder.

230-400V A.C. 3-phase control panels

- ZT5** Control panel with display, built-in radio decoder and self-diagnosing safety devices. For C-BXET operator.
- ZT5C** Control panel complete with safety block and buttons, display, built-in radio decoder and self-diagnosing safety devices. For C-BXET operator.
- ZT6** Control panel with built-in radio decoder and self-diagnosing safety devices. For C-BXT operator.
- ZT6C** Control panel complete with safety block and buttons, built-in radio decoder and self-diagnosing safety devices. For C-BXT operator.



PRODUCTS



Technical features

Type	C-BX / C-BXE	C-BXE24	C-BXT / C-BXET	C-BXK / C-BXEK
Protection rating	IP54	IP54	IP54	IP54
Power supply (V) (50/60Hz)	230 A.C.	230 A.C.	230-400 A.C. 3-phase 50/60Hz	230 A.C.
Motor power supply (V)	230 A.C. 50/60Hz	24 D.C.	230-400 A.C. 3-phase 50/60Hz	230 A.C. 50/60Hz
Current draw (A)	3	9 Max	2.5	3.5
Power (W)	450	240	780	750
Rotation speed (RPM)	21.5	26.5	21.5	21.5
Duty cycle (%)	30	50	50	30
Torque (Nm)	60	25	80	120
Operating temperature (°C/°F)			-20 - +55 / -4 - +131	
Motor's thermo-protection (°C/°F)	150 / 302	-	150 / 302	150 / 302

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Limits to use

Model	C-BX	C-BXT	C-BXE	C-BXET	C-BXE24	C-BXK	C-BXEK
Max height of sectional door with direct grip transmission (m / ft)	5.5 / 18	5.5 / 18	5.5 / 18	5.5 / 18	5.5 / 18	5.5 / 18	5.5 / 18
Max height of sectional door with chain transmission (m / ft)	8.5 / 28	8.5 / 28	8.5 / 28	8.5 / 28	8.5 / 28	8.5 / 28	8.5 / 28
Max door width sliding doors and sliding folding doors (m / ft)	11 / 36	11 / 36	5.5 / 18	5.5 / 18	5.5 / 18	11 / 36	5.5 / 18

● 230V A.C. ● 24V D.C. ● 230-400V A.C. 3-phase

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