

AUTOMATIC GATES CONTROL BOARD FOR CBX



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319T69-GB



230V control board for C-BXE gearmotors

## **1** Legend symbols



Лт

This symbol indicates sections regarding safety.

# 2 Intended use and use limits

### 2.1 Intended use

The ZCX10 electric board has been designed for the CBX E automation control of sectional-, sliding- and industrial swing gate movement.

Any use other than the above, and installations with procedures different to those in the following technical manual, are forbidden.

### 2.2 Use limits



This manual is intended only for the technical personnel qualified for the installation.

# **3 Product description**

### 3.1 Board description

The ZCX10 electric board has been designed for controlling the CBX automation, for moving sectional-, sliding- and swing gates, 230V-powered with power up to 600W, and 50–60 Hz frequency.

Designed and built entirely by CAME S.p.A., it meets the UNI EN 12453 standards.

ABS casing with IP54 protection level, equipped with intake for air circulation and complete with transformer.

The circuit should be powered at 230V in the L-N terminals and protected by a 5A fuse, while

the low voltage command devices are protected with a 1A fuse.

The total power of the (24V) acessories must not exceed 20W.

The board includes the manoeuvre pick-up function, which is activated at the start of the gate's opening and closing phases

- Class of isolation II;

+ Earth's connection for the electric safety of the parts non functional day-pupils to the container with electronic card of command are to perform on the suitable points.



Attention: before intervening inside the equipment to remove the tension of line

## 3.2 Dimensions and interaxes of fixing holes





- Tutti i dati e le informazioni quì contenute sono da ritenersi susciettibili di modifica in qualsiasi momento e a nostro giudizio
- 1 Transformer (not included)
- 2 Condenser bracket
- **3** Board Fuses 1 A,Acessories fuse 1A.
- 4 Display
- 5 Programming buttons
- 6 Memory roll connector

- 7 Connector for R700 board
- 8 HF card connector
- 9 Terminal board
- **10-** Power supply
- 11- Line Fuse 3.15 A
- 12 RSE card connector
- 13 Led -- of signaling

English

### 3.4 Assembling hinge housing





they flow for rotating

Assemble the spring-type hinges,





right as preferred) and secure with the screws and washers supplied

Snap the cover over the hinges, then close and secure it using the screws supplied

# 4 Installation

4 .1 Preliminary checks

L Installation must be carried out by qualified and expert personnel, fully respecting the current standards.

Before attempting installation, you must:

• Ensure that the control board fixing point is in an area protected from bumps and that the anchoring surfaces are secure and solid.

• Make provision for a suitable omnipolar disconnection device, with power supply cut-off, leaving more than 3 mm between the contacts

### 4.2 Tools and materials

Ensure you have all the tools and materials necessary for carrying out the installation according to current safety standards. See the following examples.







(2,CX) DOC and DIR photoelectric cell connection  $\ensuremath{\mathsf{DIR}}$ 



(2,CY) DOC and DIR photoelectric cell connection  $\ensuremath{\mathsf{DIR}}$ 







### 4.3 Electrical connections



(S1-GND) connection sensory TSP00 (trasponder) LT001 (creeping) N.B. to make to recognize the sensors to the card, needs to connect the special card of coding (R700)..



# **5** Programming

nglish

### 5.1 Display commands description



Tutti i dati e le informazioni qui contenute sono da ritenersi susciettibili di modifica in qualsiasi momento e a nostro giudizio

N.B. when the menu is active, you cannot carry out any manoeuvres.









# INFO

Version: Displays the Software version Number of manoeuvres: Displays the number of manoeuvres carried out...

Start-up Msg.: Sets the start-up message on the display.



d 1

**ENTER** 

### 5.6 Decoding boards

To control the board by remote control or pass, you must first connect the appropriate decoding board: R700 for the passes and <u>AF</u> for the radio-controls.

N.B. if you don't install the appropriate decoding board, you won't be able to add any users.



5.7 Adding users.

[1] From the Radio/Users menu, select New User and confirm with ENTER



3 ...you will be prompted for a code that may be entered by radio-control, swipe card or transponder, depending on the type of sensors installed in the system in question.





<sup>4</sup> Whichever the case, a dialog will appear prompting you to enter a new code or number.



<sup>2</sup> Select the function to associate to the user between User function and Partial opening, then confirm with ENTER...



as soon as the code is read from the remote control or pass, the message "Saved" will appear if the code has not already been used, otherwise you will notified that it already exists.



By selecting NO, the procedure for adding users will end while by selecting YES, the procedure goes back to step 3

### 5.8 Changing users (user functions)

From the Radio/Users menu, select Changing users, confirm by pressing ENTER 2 Select the user whose function you want to change by the arrows (< >), or by pressing the transmitter button associated to it, or by swiping the pass over the sensor, and confirming with ENTER.







Englist

<sup>3</sup> select the function you want to associate to the user and confirm with ENTER NB Confirming with ENTER will take you back to the "Changing users" dialog..



Tutti i dati e le informazioni qui contenute sono da ritenersi susciettibili di modifica in qualsiasi momento e a nostro giudizio

<sup>2</sup> Move around as described above until you obtain the desired message, remembering that the maximum number of characters is 42 (16 per line). after finishing writing the message, press ENTER for at least 3 secs.

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	СВХ		

#### 5.10 Error messages

"STOP Contact Open": Check the connection. "Services Test!!!": Safety device malfunction "Encoder malfunction: check connection.

### 5.11 Torque change

To alter the torque, move the fast-on marked with black string to one of the 4 remaining positions; 0 min. - 4 max



# **6** Technical specifications

### **Electrical characteristics**

Power-supply:230V AC - 50HZ Absorption in standby mode:50 mA Max. rated power of 24V accessories: 20W Max. rated power of 230V accessories:25W Protection level: IP54 Max no. of codes that can be saved: 250

### **Control systems**

Supports CAME 12/18/24 BIT radio and Rolling Code systems (the radio system requires the installation of an HF interface while for Rolling Code an HF43S is enough). And 125 Khz trasponder systems (TSP00).

# 7 Conformity declaration

#### MANUFACTURER'S DECLARATION As per Enclosure II B of Machinery Directive 98/37/CE

Enclosed with the technical documentation (the original copy of the Declaration is available on request)

The representatives of

CE

# CAME Cancelli Automatici S.p.A.

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Hereby declare, under their own respons ibility, that the product/s called ...

7CX10

Declaration are manufactured in the respect of the following main harmonized provisions: EN 292 part 1 and 2 EN 12453 EN 12445 FN 12978 EN 60335 EN 60204 - 1 EN 61000 - 6 - 2 EN 61000 - 4 - 4 EN 61000 - 4 - 5

INDUSTRIAL, COMMERCIAL AND OTHER CLOSING MECHANISMS. INDUSTRIAL, COMMERCIAL AND OTHER CLOSING MECHANISMS. SAFETY DEVICES FOR POWER OPERATED DOORS AND GATES ... SAFETY IN APPARATUSES FOR HOME USE. MACHINERY SAFETY. ELECTROMAGNETIC COMPATIBILITY. ELECTROMAGNETIC COMPATIBILITY. ELECTROMAGNETIC COMPATIBILITY.

Also, they furthermore represent and warrant that the product/s that are the subject of the present

MACHINERY SAFETY.

Date of the present declaration 07/12/2001

MANAGING DIRECTOR

Mr. Paolo Menuzzo

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IMPORTANT CAUTION!

It is forbidden to market/use product/s that are the subject of this declaration before completing and/or incorporating them in total compliance with the provisions of Machinery Directive 98/37/CE

Signatures of the Representatives

TECHNICAL MANAGER Mr Gianni Michielan

Micholan

comply with the Italian National Legal Provisions that transpose the following Community Directives (where specifically applicable)

MACHINERY DIRECTIVE 98/37/CE Low Voltage Directive 73/23/EEC - 93/68/EEC LECTROMAGNETIC COMPATIBILITY DIRECTIVE 89/336/EEC - 92/31/EEC R&TTE DIRECTIVE 1999/5/CE