

⚠ Before installing the control board and making the electrical connections, including fitting the snap-in (AF, R700, etc.), IT IS OBLIGATORY TO CUT OFF THE MAINS POWER, and, disconnect any batteries.

📖 For a more detailed description of the electrical connections and of the functions, see the corresponding manual on <http://docs.came.com>.

Description

Spare ZBKN control board.

Connections

L N		Power-supply at 230 V AC
10 11		24 V AC - 40 W max. output
U V W		230 V AC gearmotor with delayed opening (M1). Condenser on the black wires
F FA		Opening limit switch (NC contact)
F FC		Closing limit-switch (NC contact)
10 TS		24 V output for connecting safety photocells
W E		230 V AC - 25 W max flashing light
E EX		Cycle light 230 V AC - 60 W max.
10 5		Warning light 24 V AC - 3 W max.
1 2		STOP button (NC contact) (F1)
2 3		OPEN ONLY button (NO Contact)
2 3P		Programmable partial-opening button (NO contact)
2 4		OPEN ONLY button (NO contact)
2 7		OPEN-CLOSE-INVERT button (NO contact) (F7)
A B		Keypad selector
S1 GND		Sensor connection output (TST01 or LT001)
2 CX		Programmable photocells connection (NC contact) (F2)
2 CY		Programmable photocells connection (NC contact) (F3)
A B GND		RS485 serial connection with RSE card via CRP (Came Remote Protocol) or paired connection
- STB +		Connection for RGP1
+ E -		Unused
⌚		Antenna

Functions programming

- F 1 Total stop function (1-2) ➡ (OFF (default) / ON)
- F 2 Function associated to input 2-CX ➡ (OFF (default) / 1=C1 / 2=C2 / 3=C3 / 4=C4 / 7=C7 / 8=C8 / r7=r7 / r8=r8)
- F 3 Function associated to input 2-CY ➡ (OFF (default) / 1=C1 / 2=C2 / 3=C3 / 4=C4 / 7=C7 / 8=C8 / r7=r7 / r8=r8)
- F 5 Safety-test function ➡ (OFF (default) / 1=CX / 2=CY / 4=CX+CY)
- F 6 Maintained-action function ➡ (OFF (default) / ON)
- F 7 Control mode on 2-7 ➡ (OFF / 1)
- F 9 Obstruction detection with motor idle function ➡ (OFF (default) / ON)
- F 10 Function associated to the gate-open signaling output ➡ (0 / 1)
- F 14 Sensor type selection function ➡ (0 / 1)
- F 18 Additional light function ➡ (OFF (default) / 1 / 2)
- F 19 Automatic closing time ➡ (OFF (default) / 1 > 180)
- F 20 Automatic closing time after a partial opening ➡ (OFF / 1 / 10 (default) / 180)
- F 21 Preflashing time ➡ (OFF (default) / 1 / 10)
- F 25 Courtesy light time ➡ (60 (default) / 180)
- F 49 Managing serial connection ➡ (OFF (default) / 1 / 3)
- F 50 Saving data in the memory roll (the function only appears when the card is

- fitted) ➡ (OFF (default) / ON)
- F 51 Reading data in the memory roll (the function only appears when the card is fitted) ➡ (OFF (default) / ON)
- F 52 Passing parameter in paired mode ➡ (OFF (default) / ON)
- F 54 Opening direction ➡ (OFF / ON)
- F 56 Peripheral number ➡ (1 > 255)
- F 63 Change COM speed ➡ (0=1200 Baud / 1=2400 Baud / 2=4800 Baud / 3=9600 Baud / 4=14400 Baud / 5=19200 Baud / 6=38400 Baud / 7=57600 Baud / 8=115200 Baud)
- F 65 Function associated to the RIO-EDGE [T1] input (only with the RIO-CONN card fitted) ➡ (OFF (default) / P0 / P7 / P8)
- F 66 Function associated to the RIO-EDGE [T2] input (only with the RIO-CONN card fitted) ➡ (OFF (default) / P0 / P7 / P8)
- F 67 Function associated to the RIO-CELL [T1] input (only with the RIO-CONN card fitted) ➡ (OFF (default) / P1 / P2 / P3 / P4)
- F 68 Function associated to the RIO-CELL [T2] input (only with the RIO-CONN card fitted) ➡ (OFF (default) / P1 / P2 / P3 / P4)
- F 71 Partial opening time ➡ (5 (default) / 40)
- U 1 Entering new user with an associated command ➡ (1 / 2 / 3 / 4)
- U 2 Deleting single users
- U 3 Deleting all users ➡ (OFF (default) / ON)
- U 4 Code decoding ➡ (1 = all series (default) / 2 = only Atomo series / 3 = only TWIN-EE series (in this mode you can save only one user)
- A 4 Resetting parameters ➡ (OFF (default) / ON)
- A 5 Counting maneuvers ➡ (Number of maneuvers / 001=100 maneuvers / 010=1000 maneuvers / 100=10000 maneuvers / 999=99900 maneuvers / CSI=maintenance job)
- H 1 Software version

⚠ the buttons < (OPEN), > (CLOSE) and ESC (STOP) are ALWAYS ACTIVE

Decommissioning and disposal. - The packaging materials (cardboard, plastic, and so on) should be disposed of as solid household waste. The product components (metals, control boards, batteries, etc.) must be separated from other waste for recycling. Check your local laws to properly dispose of the materials.

Do not dispose of in nature!

THE CONTENTS OF THIS MANUAL MAY CHANGE, AT ANY TIME, AND WITHOUT NOTICE.