

⚠ 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 ZBX7N control board.

Connections

L N		Power-supply at 230 V AC
10 11		24 V AC - 20 W max output
U V W		230 V AC gearmotor
F FA		Opening limit switch (NC contact)
F FC		Closing limit-switch (NC contact)
10 TS		24 V output for connecting safety photocells
W E1		230 V AC - 25 W max flashing light
W E1		Cycle light 230 V AC - 60 W max. (F18)
11 FA		Gate-closed warning light 24 V AC - 3 W max
11 FC		Gate-open warning light 24 V AC - 3 W max
1 2		STOP button (NC contact) (F1)
2 3P		Partial opening button (NO contact) (F8)
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
⌚		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 8 Control mode on 2-3P ➔ (1 / 2)
- F 9 Obstruction detection with motor idle function ➔ (OFF (default) / ON)
- F11 Encoder ➔ (OFF / ON (default))
- F 14 Sensor type selection function ➔ (0 / 1)
- F 18 Additional light function ➔ (OFF (default) / 1 / 2)
- F19 Automatic closing time ➔ (OFF (default) / 1=1 sec. > 180=180 sec.)
- F20 Automatic closing time after a partial opening ➔ (OFF / 1 = 1 sec. / 10 = 10 sec. (default) / 180 = 180 sec.)
- F21 Preflashing time ➔ (OFF (default) / 1=1 sec. / 10=10 sec.)
- F30 Slow-down during opening and closing ➔ (OFF (default) / 1=High / 2=Medium / 3=Low)
- F34 Travel sensitivity ➔ (10 = maximum sensitivity > 100 = minimum sensitivity (default))
- F35 Slow-down sensitivity ➔ (10 = maximum sensitivity > 100 = minimum sensitivity (default))

- F36 Adjusting partial opening ➔ (10=10% of the travel > 80=80% of the travel (default))
- F37 Opening slow-down point ➔ (5=5% of the travel / 15=15% of the travel (default) / 30=30% of the travel)
- F38 Closing slow-down point ➔ (5=5% of the travel / 15=15% of the travel (default) / 30=30% of the travel)
- F48 Manuevre starting torque ➔ (OFF (default) / ON)
- F49 Managing serial connection ➔ (OFF (default) / 1=Paired / 3=CRP)
- F50 Saving data in the memory roll (the function only appears when the card is fitted) ➔ (OFF (default) / ON)
- F51 Reading data in the memory roll (the function only appears when the card is fitted) ➔ (OFF (default) / ON)
- F52 Passing parameter in paired mode ➔ (OFF (default) / ON)
- F54 Opening direction ➔ (OFF (default) / ON)
- F56 Peripheral number ➔ (1 > 255)
- F63 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)
- F65 Function associated to the RIO-EDGE [T1] input (only with the RIO-CONN card fitted) ➔ (OFF (default) / P0 / P7 / P8)
- F66 Function associated to the RIO-EDGE [T2] input (only with the RIO-CONN card fitted) ➔ (OFF (default) / P0 / P7 / P8)
- F67 Function associated to the RIO-CELL [T1] input (only with the RIO-CONN card fitted) ➔ (OFF (default) / P1 / P2 / P3 / P4)
- F68 Function associated to the RIO-CELL [T2] input (only with the RIO-CONN card fitted) ➔ (OFF (default) / P1 / P2 / P3 / P4)
- F71 Partial opening time ➔ (5 = 5 sec. (default) / 40 = 40 sec.)
- U 1 Entering new user with an associated command ➔ 1 = Step-step command (open-close) / 2 = Sequential command (open-stop-close-stop) / 3 = Only open command / 4 = Partial command)
- U 2 Deleting single users
- U 3 Deleting all users ➔ (OFF (default) / ON = Deleting all users)
- U4 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 1 Motor type ➔ (1=BX-74 (default) / 2=BX-78)
- A 3 Travel calibration ➔ (OFF (default) / ON)
- A 4 Resetting parameters ➔ (OFF (default) / ON)
- A 5 Counting maneuvers ➔ (OFF (default) / ON = Number of maneuvers)
- H 1 Software version

⚠ The < (OPEN), > (CLOSE) and ESC (STOP) buttons are ALWAYS ACTIVE (only in MASTER mode).

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.