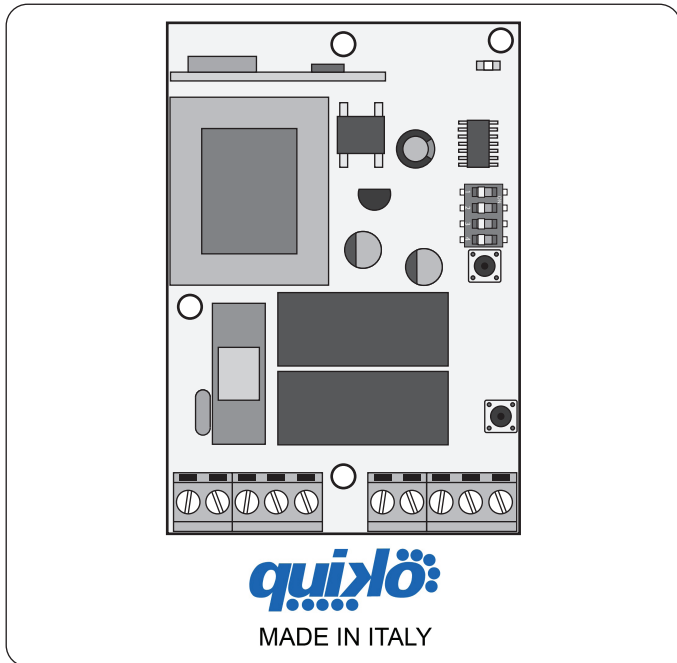


# CONTROL BOARD QK-CE220

## USER / INSTALLER MANUAL

EN



v.1.1  
REV. 02/2016

# 01. SAFETY INSTRUCTIONS

STANDARDS TO FOLLOW ☒

### ATTENTION:

- ☒ To ensure the safety of people, it is important that you read all the following instructions. Incorrect installation or incorrect use of the product can cause physical injury and material damage.
- ☒ Keep these instructions in a safe place for future reference.
- ☒ This product was designed and produced strictly for the use indicated in this manual. Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger.
- ☒ QUIKO ITALY is not responsible for the improper use of the product, or other use than that for which it was designed.
- ☒ QUIKO ITALY is not responsible if safety standards were not taken into account when installing the equipment, or for any deformation that may occur to it.
- ☒ QUIKO ITALY is not responsible for the safety and proper operation when using components not sold by them.
- ☒ Do not make any modifications to the operator components and / or their accessories.
  - Before installation unplug the automatism from the source of power.
- ☒ The installer must inform the client how to handle the product in case of emergency and provide this manual to user.
- ☒ Keep remote controls away from children, to prevent the automated system from being activated involuntarily.
- ☒ The customer shall not, under any circumstances, attempt to repair or tune the automatism. Must call qualified technician only.
- ☒ Connect the automatism to a 230V plug with ground wire.
- ☒ Control board for indoor use.

# 02 . THE CONTROL BOARD

TECHNICAL SPECIFICATIONS ☒

☒ Power supply	AC 230V 50/60Hz
☒ Motor output	1500W máx.
☒ Auxiliary accessories output	12 VDC - 1W - 80mA máx.
☒ Working temperature	-20°C to 55°C
☒ Incorporated Radio Receptor	433,92 Mhz
☒ OP Transmitters	12 bits or Rolling Code
☒ Maximum memory capacity	46 Codes
▸ Input Fuse (standard)	Ø5x20mm F5AL250V

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### FUNCTION OF THE DIP SW. ☒

	ON (up)	OFF (down)
Dip 1	Enables automatic closing after pause time.	Disables the automatic closing.
Dip 2	Enables the use/programming of 2 buttons - either in transmitters as in push buttons. ▸ 1 button opens and the other closes.	Enables the use/programming of only 1 button in transmitters and push buttons with the function open-stop-close-stop (...).
Dip 3	Disables the PRESENT MAN function in closing maneuvers.	Enables the PRESENT MAN function in closing maneuvers. (it's necessary to keep the key pressed down to close).
Dip 4	Disables the photocells use (CN2-10).	Enables the photocells use (CN2-10).

### CONNECTORS ☒

#### ☒ CONNECTOR'S DESCRIPTION

CN1	01 ☒ 230V Line Input (phase) - PH
	02 ☒ 230V Line Input (neutral) - NEUT
	03 ☒ Motor's Output - Common - COM MOT
	04 ☒ Motor's Output - Closing - CLOS
	05 ☒ Motor's Output - Opening - OPEN
CN2	06 ☒ Photocells power supply output - 12VDC
	07 ☒ Common output - COM
	08 ☒ Opening push-button input (NO) - UP
	09 ☒ Closing push-button input (NO) - DOWN
	10 ☒ Photocells input (NC) - PHOTO

Before proceeding to the control board configuration, please note the following points listed in the table below in order to better understand the control board function:

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# 03 . CONFIGURATION

TRANSMITTERS CONFIGURATION ☒

### ▸ New transmitters configuration - 2 keys (DIP 2 ON)

- 1 ▸ Press the P1 button once and the LED CODE will light during 6sec.
- 2 ▸ While the CODE LED is light up, press the opening desired transmitter key during 1sec and CODE LED will blink twice.
- 3 ▸ The CODE LED will be light up again and you must now press the transmitter key for closing during 1 sec and CODE LED will blink twice.
- 4 ▸ Let the CODE LED go off and the transmitter is now configured.

### ▸ New transmitters configuration - 1 key (DIP 2 OFF)

- 1 ▸ Press the P1 button once and the LED CODE will light up during 6sec.
- 2 ▸ While the CODE LED is light up, press the desired transmitter key during 1sec and CODE LED will blink twice.
- 3 ▸ Let the CODE LED go off and the transmitter is now configured.

NOTE: After you program the first transmitter, the control board will only accept new transmitters of the same type. For example, if the first programmed transmitter is set for rolling code, the central will only accept more rolling code transmitters until a maximum of 46 transmitters.

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LED Blink	Working Time
1 blink	20 seconds
2 blinks	25 seconds
3 blinks	30 seconds
4 blinks	35 seconds
5 blinks	40 seconds
6 blinks	50 seconds
7 blinks	60 seconds
8 blinks	80 seconds
Rapid blinks	120 seconds

LED Blink	Pause Time
1 blink	30 seconds
2 blinks	60 seconds
3 blinks	90 seconds

**NOTE:**

☒ The **Working Time** should be set to a value above the actual required working time. For example, if the automatism needs 40sec to go all the course, you must set the **Working Time** for 60sec.

☒ **Setting the motor working direction**

To verify that the operating direction is correct, proceed as follows:

1 ▶ With a configured transmitter give order with the key that you have programmed in the first place and the automatism must begin to open. If it starts to close, swap the motor wires at terminals 4 and 5 from the CN1 connector.

▶ **Safety photocells (NC)**

1 ▶ To enable the use of photocells, place the Dipper 4 to OFF .

Safety photocells act as follows:

☒ In opening maneuvers, has no action.

☒ When opened, the photocells cause the gate to remain open if there is an obstacle in front of them.

☒ In closing maneuvers, the gate stops and starts to open immediately, stopping at the end of the working time or at the opening limit-switch.

☒ **Programming remote controls without access to the control board**

• **Using an already configured TRANSMITTER:**

- 1 ▶ Press transmitter's 1 and 2 keys simultaneously for 3sec.
- 2 ▶ Press the new transmitter's desired opening key for 1sec.
- 3 ▶ Wait 3sec and press the desired closure key for 1sec.
- 4 ▶ Wait 6sec and can now use the new device.

• **Using one PUSH-BUTTON connected to the control board:**

- 1 ▶ Press for 2 seconds simultaneously the opening and closing buttons.
- 2 ▶ Press the new transmitter's desired opening key for 1sec.
- 3 ▶ Wait 3sec and press the desired closure key for 1sec.
- 4 ▶ Wait 6sec and can now use the new device.

☒ **Erase all configured transmitters**

- 1 ▶ Press and hold the **P1** key for 10sec. The **CODE LED** will remain light up the entire time and will start to blink at the end of 10sec.
- 2 ▶ Release the **P1** key and **LED CODE** will stop flashing and remain lit for 3sec so that you configure a new transmitter (note the DIP2 position).
- 3 ▶ If you do not want to configure new transmitter, let the **CODE LED** go off without pressing any key.

**FEATURES**

☒ **Adjusting the Working Time and the Pause Time**

The **Working Time** can be set as per table in next page.

To set any of these values, press the **P2** button as many times as needed until the desired option is defined while the engine is running .

The **Pause Time** can be set as per table in next page.

To set any of these values, press the **P2** button repeatedly until the desired option is defined while the engine is paused (must enable auto-locking by putting DIP1-ON).

**INSTALLATION PROCESS**

- 1 ▶ Connect the control board to a 230V power supply (terminals 1 and 2 - CN1).
- 2 ▶ Configure the Dippers according to the used devices and the desired type of operation.
- 3 ▶ Configure transmitter.

**NOTE:** Be aware of any component connected to the control board as the motor or photocells.

This control board can operate all types of motor which doesn't exceed 1500W of power and photocells which doesn't exceed a consumption over 80mA.

## 04 . DECLARATION OF COMPLIANCE

The manufacturer:

QUIKO ITALY SAS  
VIA SECCALEGNO, 19  
36040 SOSSANO (VI) ITALY

Declares under his own responsibility that the product:  
Control board QK-CE220

Complies with the main safety requirements issued by the following directives:

- 89/336//EEC, 92/31/EEC,93/68/EEC
- Electromagnetic compatibility: EN 60335-1,EN 60204-1, EN 55014, EN 6100-3-2, EN 6100-3-3, EN 6100-4-2, EN 6100-4-4, ENV50140, EN50081-1, EN50082-1

and any revisions thereof, and complies with the provisions that implement said directives in the National Legislation of the Country of destination where the products are to be used.

Sossano, 1/1/2016



Il Legale Rappresentante  
Luca Borinato

## 05 . CONNECTION SCHEME

COMPONENT CONNECTION TO THE CONTROL BOARD

