

Control board for blinds automation.
VENUS2 CE
 REV.0.A

1 FOLLOW THIS INSTRUCTIONS CAREFULLY !!

This manual contains important instructions for the installation and use of the board mod. VENUS2. Don't install before reading this manual, the product's security depends on a correct installation. The installation must be done by qualified technicians. The board must have a special box to protect from water infiltration or damp. The board shouldn't be exposed to sources of heat or electromagnetic fields. Install the board in dry place and far from inflammable material. The producing company declines any responsibility in case of a not correct installation or improper use. The product respects the European norms: 200695/CE (CEE/323, CEE/368) 2004/108/CE (CEE/9/339), CEE/9/106, CEE/89/392.

- SYMBOLS**
- IMPORTANT !! for product's use
 - INFORMATION for the installation security
 - DANGER in presence of high tension !

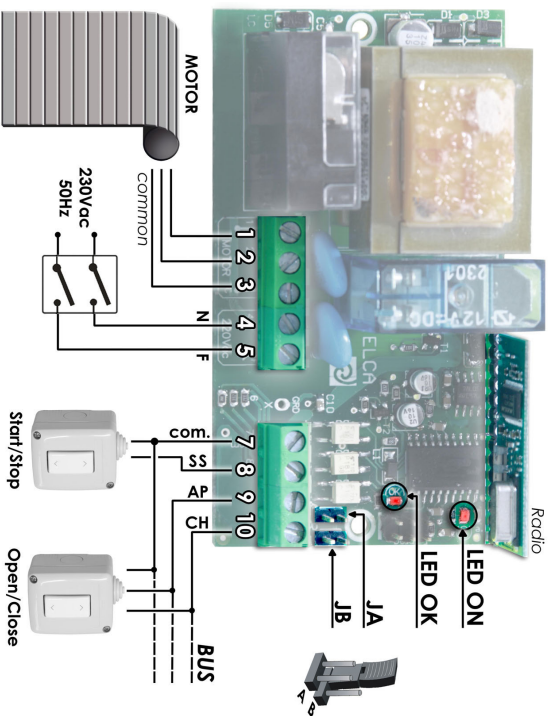


FIG.1

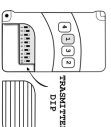
IMPORTANT !!! All the wiring connections must be done after to have disconnected the main alimentation !
DISCONNECT THE GENERAL SWITCH before every connection !!

BUTTONS CONNECTION	FUNCTION	TERMINALS CONNECTION
START / STOP Normally open	OPEN > STOP > CLOSE > STOP > ...	Terminals 7 [com] and 8
OPENING Normally open	It controls the opening of blinds.	Terminals 7 [com] and 9
CLOSING Normally open	It controls the closing of blinds.	Terminals 7 [com] and 10
MOTOR AND ALIMENTATION'S CONNECTIONS		TERMINALS CONNECTION
ATTENTION ! The installation must have a switch with opening contacts at least 3mm for the omnipolar disconnection. The change tension and the wiring connections can be made after to have disconnected the alimentation ! DISCONNECT THE GENERAL SWITCH before every connections!		SINGLE-PHASE MOTOR 230Vcc 500W MAXX 1 (closing), 2 (opening), 3 (common)
		BOARD'S ALIMENTATION: 230Vcc 50Hz Connect the alimentation to terminals: 4 (NEUTRO) 5 (PHASE)

BOARD PROGRAMMING

BASE PROGRAMMING
 The board has a BASE program. You can come back to the BASE program, making the Reset procedure.

RADIO CODE Standard transmitter 53200
 Button n. 1
 Dip code:
 1,3,5,7,9 in ON position
 2,4,6,8,10 in OFF position



RESET PROCEDURE

The reset procedure allows to come back to the BASE program, deleting all the programmings memorised.

PROCEDURE

- 1) Turn off the board and put a little bridge on JA

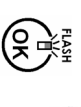


TURN OFF THE BOARD
 JA = ON

With the reset procedure you come back to the BASE code (Standard transmitter 53200, button n. 1, dip1,3,5,7,9 in OFF position and dip2,4,6,8,10 in ON position)

TURN ON THE BOARD

- 2) Turn on the board
- 3) When the OK led starts to flash slowly, take off the little bridge JA



FLASH
 LED OFF
 OK
 JA = OFF

- 4) When the OK led turns off, the reset procedure is ended



LED OFF
 OK

RADIO COMMANDS the board can be commanded by the transmitter. You can memorise n. 42 standard-codes or n. 15 Rolling-codes. The BASE code is (standard 53200, button n.1, dip 1,3,5,7,9 in ON position and dip 2,4,6,8,10 in OFF position), it's erased with the first code that you memorise.
ATTENTION! to use the transmitter, the board must have the radio receiver. (see fig. 1, pag. 1)

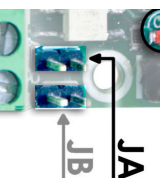


ROLLING-CODES 1. If the first code memorised is a Rolling-code, the board stops to receive the standard-codes 53200 (10dip). To receive the standard-codes 53200 you have to make the reset procedure (see pag.2).
TRANSMITTERS PROGRAMMING 1. When you program the transmitters, you have to keep a distance at least 50cm between the transmitter and the board.
PERSONAL CODE 1. If you use the standard-codes (10-dip) you have to put a personal code, positioning the 10 dips on the transmitter, before to memorise the board. After to have memorised the new code on board, you can't change the dip position on the transmitter!

START/STOP CODES PROGRAMMING (SS)

START/STOP function to command the motor.

For this procedure you have to use the little bridge **JUMPER A:**



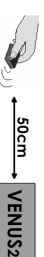
PROCEDURE

- 1) Put the little bridge on JA. The OK led turns on.



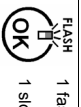
JA = ON
 LED ON
 OK

- 2) Send a radio code that you want to memorise.



50cm
 VENUS2

- 3) The OK led makes a fast flash if the code has been memorised, or it makes a slow flash if the code is just in memory. If the OK led makes 3 flashes that means the memory is full and you can't memorise other codes.



FLASH
 OK
 1 fast flash: code memorised
 1 slow flash: code is just in memory

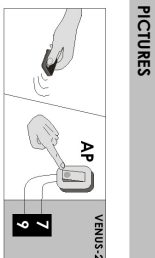
- 4) If you want to memorise other radio codes SS, you have to repeat from point or take off the little bridge JA



JA = OFF
 LED OFF
 OK

OPENING CODES PROGRAMMING

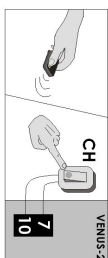
PROCEDURE
Make the procedure "START/STOP CODES PROGRAMMING (SS)", keeping pushed the OPEN button (AP) while you are sending the radio code. If the OPEN button has not been installed, you have to close the contact between the terminals 7 [com] and 9 while you are sending the radio code.



PICTURES

CLOSING CODES PROGRAMMING

PROCEDURE
Make the procedure "START/STOP CODES PROGRAMMING (SS)", keeping pushed the CLOSE button (CH) while you are sending the radio code. If the CLOSE button has not been installed, you have to close the contact between the terminals 7 [com] and 10 [CH] while you are sending the radio code.



PICTURES



ERASING OF ALL CODES. It's possible to erase all codes in memory, making the reset procedure. (see pag. 2 - "RESET PROCEDURE")

FUNCTION LOGIC SELECTION

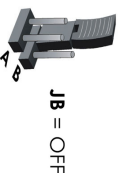
The VENUS2 board has 2 logics. The logic selection is made with the **JUMPER B**



LOGIC DESCRIPTION

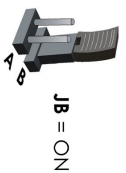
IMPULSIVE LOGIC: JB = OFF

To open or close the blind, you have to activate the commands for an instant.



"PUSH and HOLD" LOGIC IN CLOSING TIME: JB = ON

The close's commands (SS or CH, also by radio) work only if the command is always activated. That means: to close the blind you have to push and keeping pushed the CLOSE command. When you finish to push the CLOSE command, the motor stops.



TRANSMITTERS PROGRAMMING BY RADIO

With this procedure you can program a new radio code without using the board. The programmings are made by radio, using a transmitter just in memory on board.

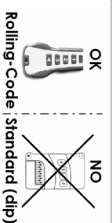
If you want to memorise more than one radio code you have to repeat this procedure every time.

It's possible to use this function only if the Rolling-Codes are in memory.

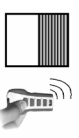
PROCEDURE

You can make this procedure only if the Rolling-codes are in memory on board.

PICTURES



1) Send a command to the board by IRIS RC transmitter that is just in memory.



2) Within 8 sec. push together the buttons 1 and 3 of the IRIS RC transmitter.



3) Within 8 sec. send the new radio code that you want to memorise (type rolling-code). If you don't send any radio codes, the board goes out from the programming after 8 sec.



4) Check that the new code has been memorised. functions well otherwise repeat the procedure.

LED

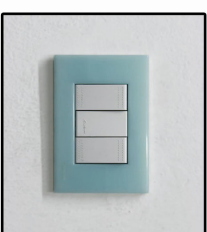
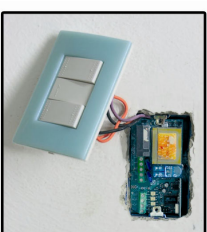
The VENUS-2 board has 2 led.

LED	STANDARD SITUATION	FUNCTION
LED ON	LED ON \geq \leq	The board is turn on.
LED OK	LED OFF \square	When the board is turn on, it flashes. It makes a fast flash when the inputs are activated. If the OK led is always turn on or it always flashes, it means that the board is in the programming phase (JA inserted). (pag.2).

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INSTALLATION

The VENUS-2 board has small dimensions so it can be installed into wall boxes:



WARRANTY

ELCA devices and accessories are guaranteed for a period of 24 months after production, whose date is printed on each item. ELCA will replace or repair its devices, provided that they are returned to our plant. In order to check the actual functioning of the returned pieces, they will remain the property of manufacturer. The warranty does not include damages due to any incorrect use, such as: non fulfillment of the instructions detailed for each device. Moreover, warranty does not cover damage due to wrong tension supply and any other reason for which the manufacturer cannot be made responsible. Any device returned must be delivered to ELCA with carriage paid and will be sent back with freight collect.

Warranty validity ceases in case of the customer's non fulfillment of payment.

ELCA declines all responsibility for the non observance of the safety rules by part of the installer.



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