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Control board for rolling-shutters with limit-switches.

ROLLING SHUTTERS

VENUS2-S REV 0.A

CE

⚠️ **FOLLOW THIS INSTRUCTIONS CAREFULLY !!**
This manual contains important instructions for the installation and use of the board mod. "VENUS2s". 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 mustn't be exposed to sources of heat or electromagnetic fields. Install the board in airy 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: 2006/95/CE (CEE73/23, CEE93/68),2004/108/CE (CEE89/336), CEE89/106, CEE89/392,

LED ON
LED OK
JP
JA
JB

radio

1 2 3 4 5 7 8 9 10
MOTOR N F
24Vac COM 230Vac 50Hz com. SS STOP FOT.

Start/Stop STOP RX TX

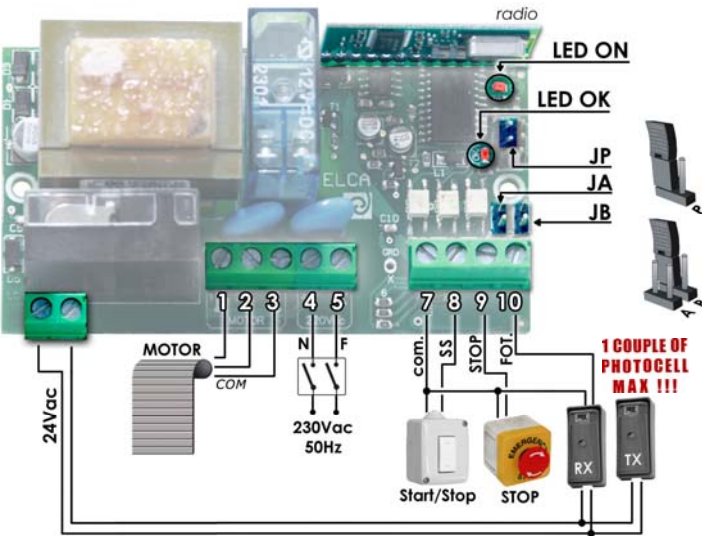**1 COUPLE OF PHOTOCELL MAX !!!**

FIG1

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

SYMBOLS	
⚠️ℹ️	IMPORTANT !! for product's use
⚠️	INFORMATION for the installation security
⚡	DANGER in presence of high tension !

INPUTS	FUNCTION	TERMINALS'CONNECTIONS
START / STOP Norm. open	Commands: OPEN> STOP > CLOSE > STOP >…. During the pause time a command excludes the automatic closing.	Terminals 7 [com] and 8 [SS]
STOP Norm. close	Stops the rolling-shutter and excludes the automatic closing.	Terminals 7 [com] and 9 [STOP] **If you don't use it**, short-circuit the terminals 7and 9
PHOTO-CELLS Norm. close	During the closing time it inverts the movement of rolling-shutter in opening time.	Connect the photo-cells' alimentation to 24Vac output of board **(1 couple max)**. The NC contact of photo-cell (receiver) must be connected to terminals 7 [com] and 10 [PHOT.] **If you don't use it**, short-circuit the terminals 7and 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 230Vac** 500W MAX	Connect the motor to terminals: 1 (closing), 2 (opening), 3 (comune)
	BOARD'S ALIMENTATION: 230Vac 50Hz	Connect the alimentation to terminals: 4 (NEUTRO) 5 (PHASE)

BOARD PROGRAMMING

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

MOTOR'S RUN: 30sec	AUTOMATIC CLOSING: Excluded
RADIO CODE	Standard transmitter 53200 Button 1 Dip code : 1,3,5,7,9 in ON position 2,4,6,8,10 in OFF position
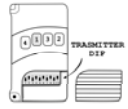
RESET PROCEDURE
The reset procedure allows to come back to the BASE program, deleting all the programs memorised.

ℹ️ *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)*

PROCEDURE	PICTURES
1) Turn off the board and put a little bridge on JA	TURN OFF THE BOARD JA = ON
2)) Turn on the board	TURN ON THE BOARD
3) When the OK led starts to flash , take off the little bridge JA	FLASH 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. **41 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)

ℹ️ **ROLLING-CODES !.** *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 PROGRAMMINGI ! *When you program the transmitters, **you have to keep a distance at least 50cm** between the transmitter and the board..*
PERSONAL CODE ! *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	PICTURES
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 2 or take off the little bridge JA	JA = OFF LED OFF OK

STOP CODE PROGRAMMING

STOP function.

PROCEDURE	PICTURES
Make the "START/STOP CODE PROGRAMMING (SS) procedure, keep pushed the STOP button [ST] while you are sending the radio code. If the STOP button is not been installed, you have to open the contact between the terminals *7 [com] and 9 while you send the radio code. After the programming procedure put again the little bridge.*	STOP VENUS-2
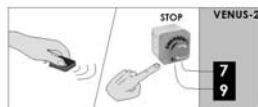
ERASING OF ALL CODES. *It's possible to erase all codes in memory, making the reset procedure. (see pag.2 -* Attention !!: The reset procedure erases all the programmings made !!*)*

WORKING TIME PROGRAMMING

The WORKING TIME is the time that the door needs to open and close.
With this procedure the board learns automatically the door's run.
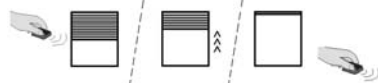If you don't make the programming, the working time selected is 30sec.

PROCEDURE	PICTURES
1) Check that the limit-switches are connected in the right way ! If the safety systems (stop, photo-cells) are active during the procedure, the motor's run stops.	
2) Put the door in the middle position. Put the little bridge on JP. The OK led OK turns on.	MIDDLE POSITION **JP = ON**
3) Send a SS command, the door starts to open. When the door is completely open, wait 2sec. and give a new SS command.	
4) Give a SS command, the door starts to close. When the door is completely close, wait 2sec. and give a new SS command.	
5) Take off the little bridge JP. The programming procedure is ended.	**JP = OFF**

PAUSE TIME PROGRAMMING (Automatic closing)

The pause time programming allows the automatic closing.

To modify the pause time you have to repeat the procedure.

During the pause time you can exclude the automatic closing with a SS command.

To erase the automatic closing you have to make the RESET procedure (see pag.2). Attention !!: the reset procedure erases all programmings memorised!!

PROCEDURE	PICTURES
1) Put the little bridge on JP. The OK led turns on.	**JP = ON** LED ON (OK)
2) Put another little bridge on JA and wait for the time you need for the pause time. The OK led flashes.	**JA = ON** TIME max 4min FLASH (OK)
3) First, take off the little bridge on JA, the OK led turns on fixed. Then take off the little bridge on JP, the OK led OK turns off. The pause time is been memorised .	**JA = OFF** **JP = OFF** LED OFF (OK)

3

FUNCTION LOGIC SELECTION

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

| LOGIC DESCRIPTION	JB POSITION
IMPULSIVE LOGIC: JB = OFF To open or close the shutter , you have to activate the commands for an instant.	**JB = OFF**
"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 shutter you have to push and keeping pushed the CLOSE command. When you finish to push the CLOSE command, the motor stops.	**JB = ON**

LED The VENUS-2s board has 2 led .

LED	STANDARD CONDITION	FUNCTION
LED ON	LED ON	The board is turn on.
LED OK	LED OFF	When the board is turn on, it flashes. It makes a flash when the board receives a correct radio code. 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 and/or JP are still inserted), *(pag.2,3).*

DIMENSIONS Box 205 IP56

88 128 58 42 82 [mm]
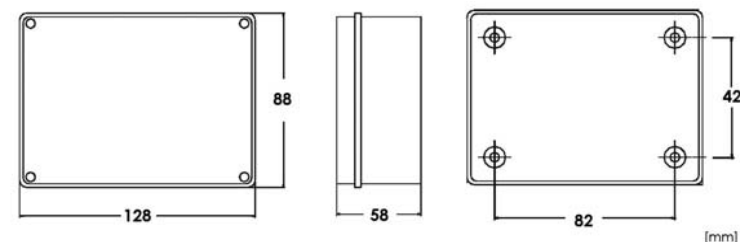
WARRANTY

ELCA devices and accessories are guaranteed for a period of 24 months after production, whose date is printed on each items. 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 fulfilment 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 fulfilment of payment.
ELCA declines all responsibility for the non observance of the safety rules by part of the installer.

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4