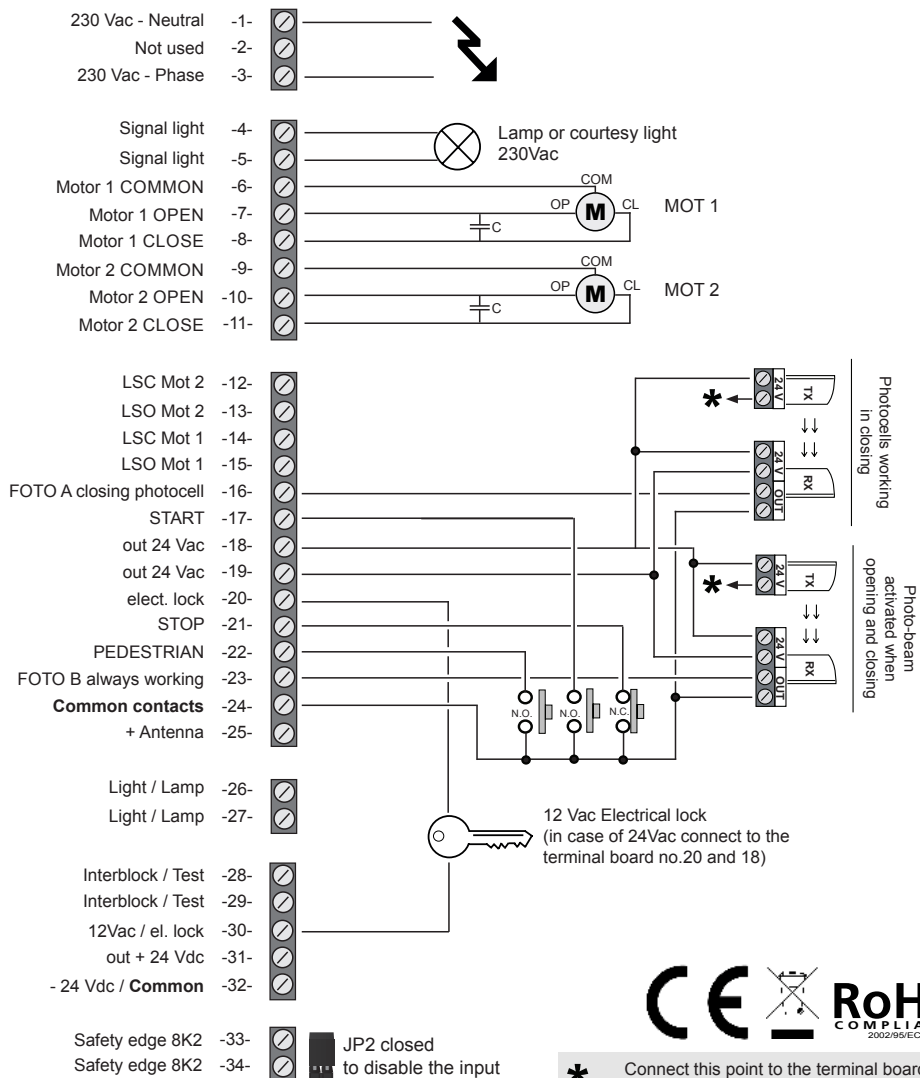


- Single phase for 230 Vac 2 motors
- Universal control unit for 1 or 2 motors
- 433 MHz radio receiver included
- Self programming

Complete Operating Guide

START-S6XL BLOCK

Radio Receiver



* Connect this point to the terminal board no. 28 for the photo-test, otherwise connect it to the terminal board no. 19

Premises

This manual provides all the specific information you need to familiarize yourself with and correctly operate your unit. Read it very carefully when you purchase the instrument and consult it whenever you have doubts regarding use and before performing any maintenance operations.

Safety precautions

Using the unit improperly and performing repairs or modifications personally will void the warranty. Nologo declines any responsibility for damages due to inappropriate use of the product and due to any use other than the use the product was designed for. Nologo declines any responsibility for consequential damages except civil liability for the products.

The gate should be conformed to the european law **EN 60204-1**, **EN 12445**, **EN 12453**. It is obliged to be conformed to the norms for the automated closing devices **EN 12453**, **EN 12445**, **EN 12978** and eventually nationa laws. The adjust of the force of the motor should be measured with a device according to the values of the norma **EN 12453**.

Environmental protection measures

Information regarding the environment for customers within the European Union. European Directive EC 2002/96 requires that units bearing this symbol on the unit and/or on the packaging be disposed of separately from undifferentiated urban wastes.



Be disposed of with the ormal household wastes. The owner is responsible for disposing of this product and other electrical and electronic equipment through specific waste collection facilities indicated by the government or local public agencies. Correct disposal and recycling help prevent any potentially negative impact on the environment and human health. To receive more detailed information regarding disposal of your unit, we recommend that you contact the competent public agencies, the waste collection service or the shop where you purchased the product.

Small legend

FCA / LSO	Open limit switch
FCC / LSC	Close limit switch
START	Control to drive the gate
PEDONALE	in sliding units: control partial opening
Vac	Alternate current
Vdc	Direct current
NC	Normally closed
NA / NO	Normally open
Isolated contact	Isolated from power supply

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1 Introduction

1.1 Safety precautions

Using the unit improperly and performing repairs or modifications personally will void the warranty. The producer declines any responsibility for damages due to inappropriate use of the product and due to any use other than the use the product was designed for. The producer declines any responsibility for consequential damages except civil liability for the products.

1.2 Symbols and warning



Generic Danger

This is a warning and if it is not respect it can provoque material damage!



Read carefully the manual

Read carefully the manual before installing



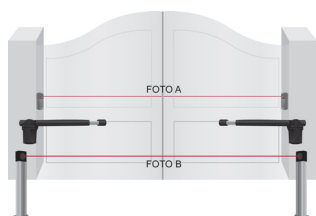
Equipment under electrical tension

Installation only from qualified installers.

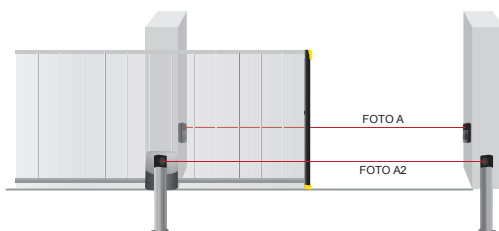
1.3 Security System

It is important to establish the “**MACHINE**” risks and the requirements of the final user. In the photo the final user will fix the number of accessories to be installed. In the scheme the couple of the photo-beams A OPEN it has no effect while it inverts completely after closing. “**FOTO A2**” is the serial connection of the foto A or ALT connection. Check the synchronisation of the photo-beams which avoid interferences.

Swing gates



Sliding gates



We recommend to install a STOP command for the immediately stop of the gate. The switch is a normally closed contact as shown in the par. 4.8

2 Description of the product

La START-S6XL BLOCK was created to suit various needs: both for door gates and sliding gates. The design adopted the most advanced techniques to guarantee the utmost immunity vs. noises, the maximum operating flexibility and to create a wide choice of available functions.

2.1 Working features

	Slow down
	Self learning of working times
	Electrical adjust of the force of the motor
	4 functions (apartment block included)
	Functions set up through a dip
	Free contact for light indicating the open gate
	Radio included which can manage codes rolling
	Small dimensions
	Pedestrian door (partial opening) with separate command
	Electrical lock and selecting reversing stroke
	Dip exclusion of all the safety inputs
	TEST function compatible with TRANSCIEVER

2.2 Fields of application

The START-S6XL BLOCK control board is designed to move gates, overhead garage doors, rolling shutters and automatic doors. It can be connected to an oleodynamic motor or to an electro-mechanical motor with a singlephase motor, working on 230 Vac.

2.3 Technical features

Dimensions	150 x 135 x 50	mm
Weight	500	g
MAX power of single motor	1 750 4	HP W A
MAX power of signal light	40	W
MAX absorption with clean contact	2	A
MAX absorption 24 Vac (clamps 18-19)	300	mA
MAX absorption 12 Vac (clamps 19-30)	600	mA
MAX absorption 24 Vdc (clamps 31-32)	100	mA

3 Premises

3.1 Preliminary checks

Making the correct choice of installation is essential to ensuring adequate safety and good protection against atmospheric agents. Remember that the control unit contains powered parts and electronic components which by their very nature are sensitive to infiltrations and moisture. The control unit is supplied in a container which guarantees an IP55 protection rating if adequately installed. Install the control unit on a permanent surface that is perfectly flat, adequately protected against impacts and at least 40 cm off the ground. The cables must enter the control unit from the bottom only; we recommend using wire leads and water-tight connections. When using tubing that could fill up with water or if the tubing comes from an underground well, the wires must enter a first shunting box placed at the same height as the control unit and then, from there, the wires must be passed into the container holding the control unit, again entering from the bottom. This prevents any evaporation of the water in the tubing from forming condensation inside the control unit itself.

3.2 Type of electrical wires

Depending on the installation, the type and number of devices installed, the number of cables needed can vary. The table below shows the cables needed for a typical installation. The cables used in the installation must be IEC 60335 compliant

⇒	Line of the power supply	Cable 3x1,5 mm ²
⇒	Cable motor	Cable 4 x 1,5 mm ²
⇒	Signal light	Cable 2x1,5 mm ²
⇒	Radio antenna	Shielded cable type RG58
⇒	Key selector	Cable 3x0,5 o 0,75 mm ²
⇒	Photo Rx	Cable 4x0,5 o 0,75 mm ²
⇒	Photo Tx	Cable 2x0,5 o 0,75 mm ²

3.3 Connections

To guarantee operator safety and to prevent damaging the components, never make connections or insert wireless receiver boards while the control unit is powered.

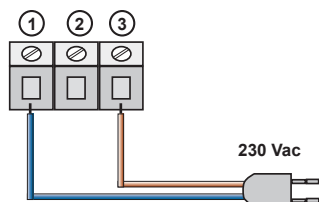
- Power the control unit through a 3 x 1.5 mm² cable. If the distance between the control unit and the ground system connection is more than 30 m, a ground plate must be installed in proximity to the control unit.
- If the motors do not have a cable, use the 4 x 1.5 mm² cable (open + close + common + ground).
- In connecting the part with an extremely low safety voltage, use cables with a minimum section of 0.5 or 0.75 mm².
- Use shielded cables if the length exceeds 30m and connecting the ground braid only from the side of the control unit.
- Do not connect the cables in underground cases even if they are water-tight.
- If they are not used, the inputs to the Normally Closed (NC) contacts must be jumpered to the common.
- If the same input has more than one contact (NC), they are placed in series.
- If they are not used, the inputs to the Normally Open (NO) contacts are left loose.
- If the same input has more than one contact (NO), they are to be placed in series.
- The contacts must be mechanical and free of any potential

Remember that systems for automatic gates and doors must be installed by highly qualified technicians only and in full compliance with current law.

4.1 Scheme and electrical connections

230 Vac Neutral	1		230 Vac Power supply 50 Hz NEUTRAL
Not used	2		
230 Vac Phase	3		230 Vac Power supply 50 Hz PHASE
Signal light	4		Outputs for LAMP (flashing light electronic card) or 230 Vac COURTESY LIGHT, maximum power of the lamp 40 or 100W
	5		
M 1 Com	6		Output for motor connection 1 COMMON pole
M 1 Open	7		Output for motor connection 1 pole OPEN
M 1 Close	8		Output for motor connection 1 pole CLOSE
M 2 Com	9		Output for motor connection 2 COMMON pole
M 2 Open	10		Output for motor connection 1 pole OPEN
M 2 Close	11		Output for motor connection 1 pole CLOSE
LSC M2	12		Input Closing Limit Switches motor no. 2
LSO M2	13		Input Opening Limit Switches motor no. 2
LSC M1	14		Input Closing Limit Switches motor no. 1
LSO M1	15		Input Opening Limit Switches motor no. 1
Photo A	16		Input photocell A: working only by closing
START	17		Input command bi-stable START
24Vac	18		Out 24Vac
24Vac	19		Out 24Vac
12Vac Serrat.	20		Output for electrical lock 12Vac 50Hz 1A
STOP	21		STOP input
PEDESTRIAN	22		Input for bi-stable function partial opening PEDESTRIAN
Photo B	23		Input photocell B working in closing and in opening
Common	24		Common for all inputs: services, Security devices, coaxial antenna cable sock
Antenna +	25		Input for antenna (antenna cable)
Light	26		Contact for light (for flashing light without electronic card)
Light	27		
Interblock/Test	28		Interblock / Test
Interblock/Test	29		Interblock / Test
12Vac	30		Out 12Vac
24Vdc +	31		Out 24Vdc +
Com 24Vdc -	32		Out 24Vdc - Common for inputs: services and safety
Safety edge 8K2	33		Safety edge 8K2 (JP2 closed to disable the input)
	34		

4.2 Connection of the network tension



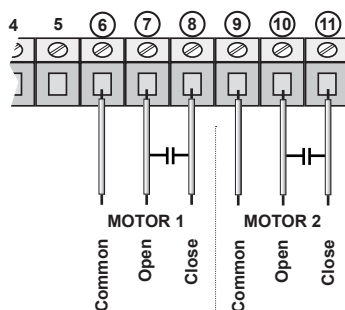
230 Vac. The line of power supply towards the control board must always be protected with an electromagnetic switch or with a 5a fuse couple.

A differential switch is recommended but not indispensable if it is already present in the installation.

4.3 Motor connection

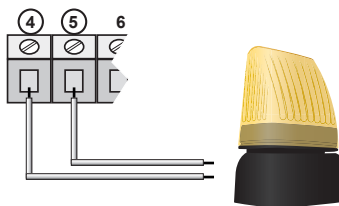
Be particularly careful in not mistaking the Opening pole with the Closing pole.

In case you have doubts about the correct connections, put manually, if possible, the gate in the middle position of the course. Be ready to block the system with the STOP command.

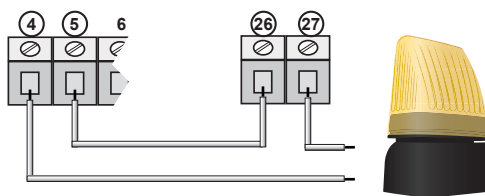


4.4 Connection of the SIGNAL LIGHT

Signal light complete with intermittent electronic card

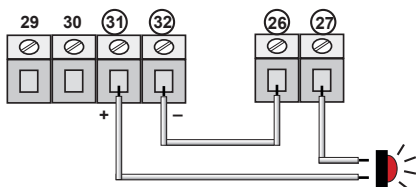


Signal light without intermittent electronic card



! If you are expecting to use the test on the photocells or for a 24V light, you can't use this connection.

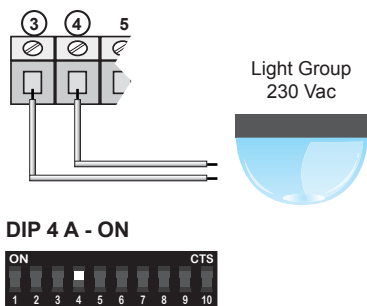
4.5 Connection of a 24Vdc light with an open and moving gate



! If you are expecting to use the test on the photocells or for a signal light, you can't use this connection.

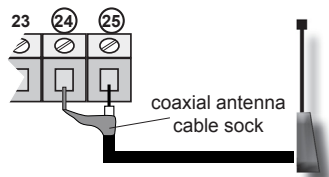
• Keep pressed the button TEMPI for a fixed or a flashing light until the LED-L1 starts flashing when the gate is closing.

4.6 Connection of Courtesy light



4.7 Connection of ANTENNA

If you are using a piece of stiff wire instead of an antenna, to obtain a 433Mhz frequency you have to cut it off to 17 cm e connect it to the clamp no. 25



ONLY CONNECT THE ANTENNA AFTER THE MEMORIZATION OF THE RADIO CODES IS DONE!!!

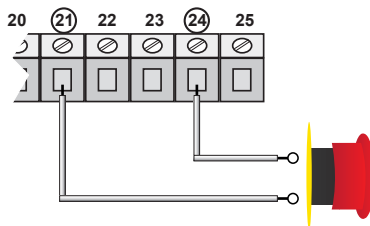
4.8 Connection of arrest devices STOP command

Connection of the STOP command:

Button: stops and inhibits temporarily the control unit until a new command.

Switch: keeps the automation blocked until a new retrieval is ordered.

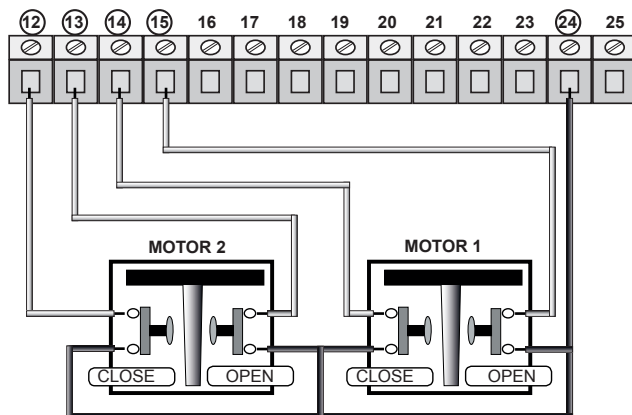
! If the STOP input is NOT used put the DIP 6 B on ON.



You need to use any kind of button or contact provided it is type N.C. (normally closed) to connect the safety devices. If there are several safety devices they have to be connected in series.

4.9 Connection of the LSO and LSC LIMIT SWITCHES

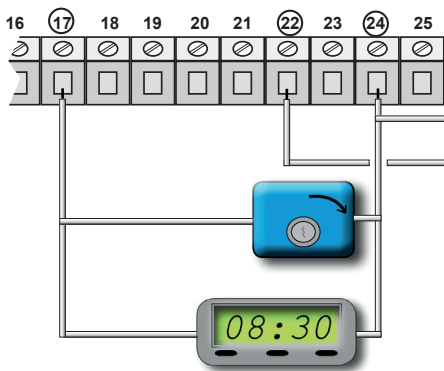
The picture shows the connection of both limit switches.



! If the LSO or LSC inputs aren't in use, follow the instructions you find in chapter n. 5.1

The contacts of the limit switches must be type N.C. (normally closed)

4.10 Connection of the commands “START” and “PEDESTRIAN”



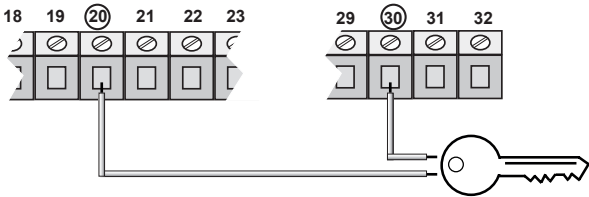
The connection of the command for pedestrian opening can be realized on every button or contact as soon as it is type N.O. (normally opened).

The connection of the opening command START can be realized on every button or contact as soon as it is type N.O. (normally opened). If you have several devices to connect you need to connect them in parallel.

By using the clamps no. 17 and no. 24 you can connect a TIMER to program the openings of the gate. The contact of your timer must be a type N.O. and must stay in a close mode the whole time the gate remains opened. If there is an opening command connection on the clamp no. 17, connect in parallel.

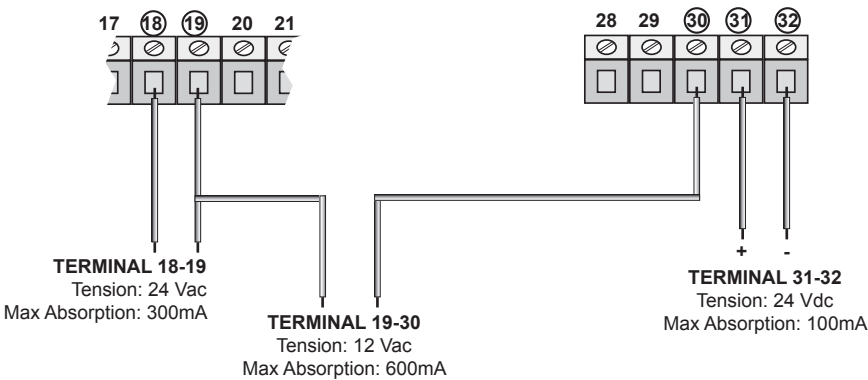
4.11 Connection of Elec. lock 12 Vac

Aside is the layout of the connection of the 12 Vac elec. lock:

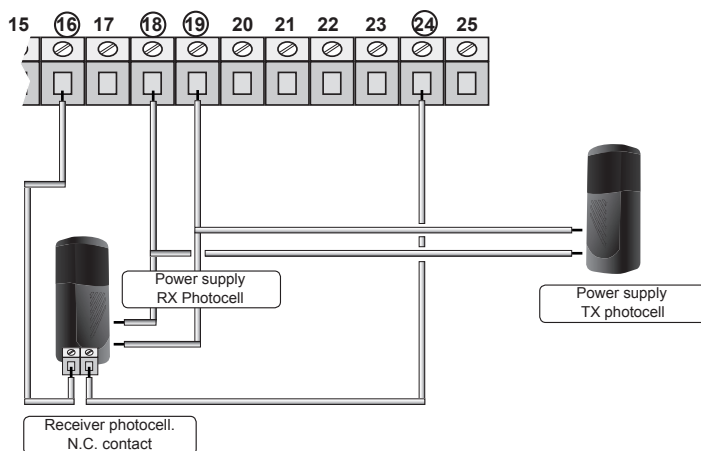


4.12 Power supply of ACCESSORIES

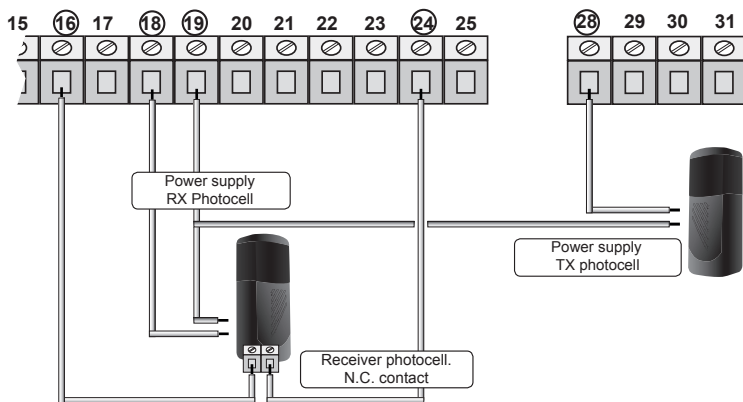
Below the layout of the connection for a correct power supply of the accessories. keep in mind that between the clamps from no.19 to no. 30 there is a tension of 12 Vac



4.13 Connection of the PHOTOCELLS A (only in closing mode) 24 Vac



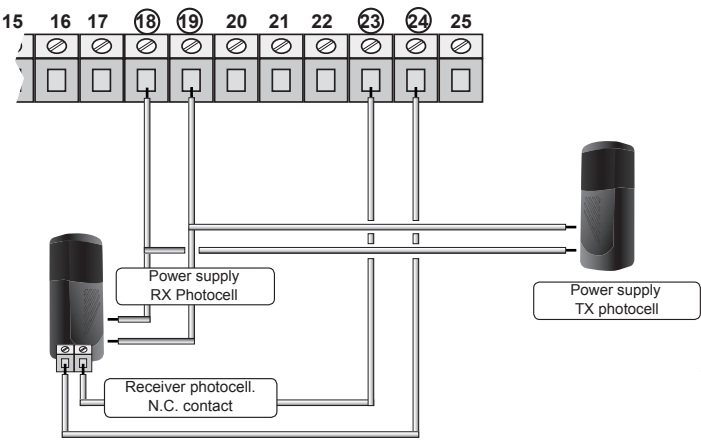
4.14 Connection of the PHOTOCELLS A 24 Vac with phototest



The TEST on the photocells can only ensures the correct working of the automation if said photocells are regularly working. The control board will perform a test before every opening. In case of malfunction of the photocells the control board will turn on the signal light for 5 seconds and will not allow the automation.

To activate the TEST function read carefully and follow the instructions in chapter no. 9

4.15 Connection of the PHOTOCELLS B (both in closing and opening) 24 Vac



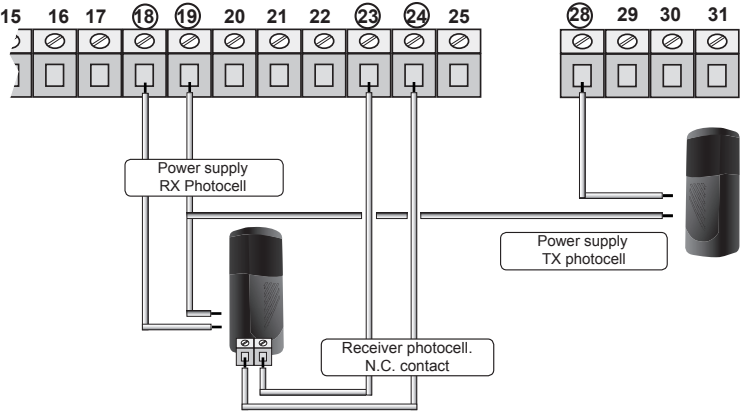
The contact of the photocell's receiver must be:

- **clean** (isolated from the power supply voltage)
- **type N.C.** (normally closed)

If you are using several sets of photocells the connection must be done in series.

! If the input PHOTO B is not used put the DIP 7 B in ON mode

4.16 Connection of the PHOTOCELLS B - 24 Vac with phototest



The contact of the photocell's receiver must be:

- **clean** (isolated from the power supply voltage)
- **type N.C.** (normally closed)

4.17 Check of the connections

When the control board is powered, the “led” lights, that are placed on the inputs, are lit up when there is a closed contact towards the common on the input.

(In case of red led are not all lit on, check the connections)

The **red leds** on the inputs **LSC - LSO - STOP - PHOTO** are normally always switched **ON**
 The **green leds** on the command inputs **START - PEDESTRIAN** are normally switched **OFF**



If LED L1 flashes but it doesn't turn off completely it means that the 8k2 input is in Stand-by or has been excluded.

Now you will see the state of the automation through the led:

- LED L1**
- One flash = standard function / condition
 - Two flashes normal condition of the control unit with rolling code function activated
 - None flashes JP1 is closed and the function activated is the advanced time programming

5 Functions and adjustments

The control board has several micro-switches to activate a lot of functions in order to find suitable solutions for the user and to make the installation more safe.

5.1 Setting up with DIP B

	1-ON	LSC M2 12	Exclusion of the inputs closes limit switches motor no.2
	2-ON	LSO M2 13	Exclusion of the inputs opens limit switches motor n. 2
	3-ON	LSC M1 14	Exclusion of the inputs of the closing limit switches motor no.1
	4-ON	LSO M1 15	Exclusion of the inputs of the opening limit switches motor no.1
	5-ON	Photocell A 16	Exclusion of the input of photocell working in closing
	6-ON	Photocell B 23	Exclusion input photocell always activated
	7-ON	STOP 21	Exclusion of the input stop
	8-ON	Radioreceiver	It activates the radio-receiver

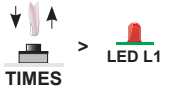
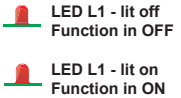
5.2 Use of the DIP A

	1-OFF 2-OFF	Automatic 1	By every order it inverts: open and close . It closes automatically at the end of the pause time
	1-ON 2-OFF	Condominium	In opening and pause time it doesn't accept commands. it re-closes automatically at the end of the pause time.
	1-OFF 2-ON	Semi automatic	By every command it follows the procedure open-stop-close-stop-open etc. It doesn't re-close automatically
	1-ON 2-ON	Automatic 2	By every command it follows open-stop-close-stop-open etc. It recloses automatically at the end of the pause time.

	3-ON	Reversing stroke	This function starts a closing thrust at the beginning or at the end of the manoeuvre to make easy the work of the electronical lock.
	4-ON	Courtesy light	In the output of the terminal board 4 and 5 there is tension at the beginning of the opening till 2 minutes before closing, useful to power the courtesy light.
	5-ON	Pre-lighting	It ables the pre-lighting before each manoeuvre.
	6-ON	Crossing detector	As the photocells detect a crossing, the control board opens completely then closes but 1 sec. before according to the pause time, when the obstacle is gone.
	7-ON	Lamp in pause	The lamp is working in the pause time, too.
	8-ON	Phototest	Activates the phototest (in presence of TRANSCEIVER, see Chap no. 9)
	9-ON	Opening displacement	If you put the DIP 9 in ON the opening displacement will be at 2 seconds. The closing displacement time can be chosen with the trimmer "displacement".
	10-ON	Programming time, advanced system	It activate the advanced working time (JP1 closed)

5.3 Advanced Settings

To programm the advanced setting, make as follow:

	1	Make sure that the gate is closed and JP1 closed , too.
	2	LED L1 stops flashing, and the LED L1 of TIMES (times) will flash according to the number of choosen functions.
one flash	1 motor	The control unit make work the motor no.1 and no. 2 in the same time. The program of the working time will be done only for motor no. 1
2 flashes	“Death man” function	The command START open, the PARTIAL OPENING closes. Motors stops immediatelly when the button will be released
3 flashes	Industrial use	The Partial Opening became a closes contact and the START follow the logic of dip 1 and 2.
4 flashes	Soft-start	When the gate is opening, the speed increases
	3	After LED L1 has flashes for the choosen functions, LED will turned off if the fucntion was in OFF position or it will lit on if the function is in ON .
	4	To change the ON-OFF position, press and release the button CODES .
	5	To return to the normal state, bring JUMPER JP1 to OPEN

6 Using the remote controls

This receiver can manage standard codes from 12 till 64 bit and rolling codes HCS®. The first learned transmitter establish the code's type that the receiver has to manage, it means that the transmitter has to have the same code's type. Concerning the rolling codes it is possible to activate or deactivate the key's control and the rolling counter. With this function you can choose the security level of the receiver.

6.1 FULL CANCELLATION of the memory

This operation cancels all previous memorized codes. It is not contemplated the cancellation of a single remote control code. It is necessary to reset the memory before learning the first remote control to avoid the remaining of previously memorized codes that aren't in use in the installation. The cancellation of the memory (all codes) is possible only when the gate is closed.

	1	Make sure that the gate is in CLOSED position. Press and keep pressed the CODES BUTTON
	2	Wait for the LED L1 to start flashing, then release it. Wait until the reset of the memory.

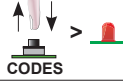
6.2 ROLLING CODE activated

Fixed code MODE (L1 - one flash)

The receiver manages standard codes from 12 to 64 bit and HCS® rolling code (only the fixed part)

Complete rolling code (L1 - flashes twice):

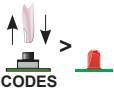
You can control the rolling code counter and the remote cannot be duplicated

	1	Press and release the button codes, LED L1 will lit on. Wait until the memory has been cancelled.
	2	Press and release the button CODES again, LED L1 flashes and lit on
	3	Press the button CODE again, LED L1 flashes twice, it activate the rolling code counter.
	4	To return to the fixed code, repeat the operation from point no.1 in this way LED L1 will flash only once.

6.3 Learning of the remote controls

The remote controls can be learnt **ONLY** when the gate is **CLOSED**.

PERFORM THE LEARNING WITHOUT CONNECTING THE ANTENNA TO THE CLAMPS NO. 24-25

	1	Make sure that the gate is in CLOSED position
	2	Press and release the CODES button, the LED L1 will stay lit. Wait until the reset of the memory.
	3	Press the button of the remote control, ex: button no.1: if it is memorized LED L1 will flash

	1	Press and release the CODES button, the LED L1 will stay lit. Wait until the reset of the memory
	2	Press again the CODES button, the LED L1 will flash and stay lit
	3	Press the button of the remote control, ex: button no.2: if it is memorized LED L1 will flash

- If you need to learn a new remote control repeat the same operation.

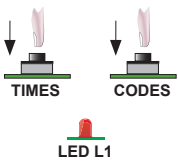
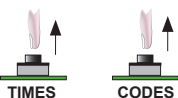
- When you push the remote control's button and the L.E.D. codes is switched ON, it means that the remote control is not compatible

- When you push the remote control's button and the L.E.D. codes flashes slowly, it means that the memory is FULL.

- In this card is not previewed the cancellation of a single remote control's code.

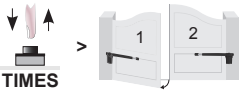
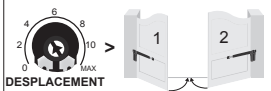
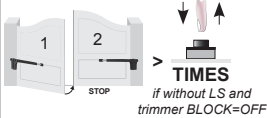
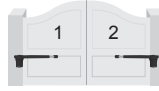
7 Reset of the memory

The reset of the memory programm the standard values of the remote controls. It doesn't cancel the codes: there are two different memories.

	1	Press the buttons CODES and TIMES LED L1 lit ON
	2	Wait 10 seconds until LED L1 will switch OFF
	3	Release the buttons CODES and TIMES

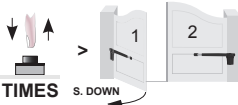
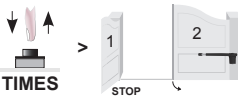
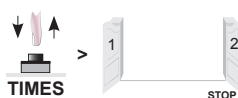
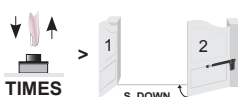
8 Time learning

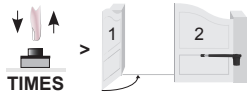
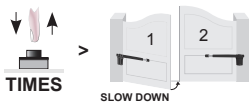
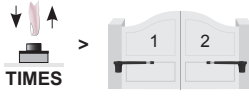
8.1 Time learning: NORMAL WAY

1		The gate is in closed position
2		Put in OFF the switch no. 10 of the DIP A
3		Push the button TIMES * The first motor OPENS
4		After the displacement adjust the trimmer T.SFAS (displacement time) the second motor OPENS
5		Wait that the first leaf is completely open , if the limit switches are available read from point no. 6 otherwise press the button TIMES (times) to stop the first leaf.
6		Now the 1st motor stops, wait until the 2nd Motor stops
7		When both motors stop , let the time leave until the gate should be opened (pause time)
8		Press the button TIMES (times) to start the closing of the 2nd time (2nd motor)
9		After the displacement (adjusted with TRIMMER), the first leaf (1st motor) is closing .
10		Wait the 2nd leaf will close completely, press the button TIMES (times), ONLY IN CASE THE LIMIT SWITCHES ARE NOT AVAILABLE , and the TRIMMER BLOCK is in OFF position .
11		Wait the gate is completely closed, the correct program of the working time will be confirmed.

* After the first push of the **TIMES** button you can use the **START** command from the clamp no.17 or from the learned remote control.

8.2 Time learning: ADVANCED SYSTEM

		The gate is in CLOSED position	
1		Put and leave in ON the DIP 10A	The gate is in closed position
2		* Push the button TIMES	The first motor OPENS
3		Push the button TIMES (or START) ... If the slowing down is activated trimmer see. Slow down ...	The first motor slows down when opening
4		Push the TIMES button (or START) (if the opening limit switches of motor no.1 is not available).	Motor no.1 stops, then motor no. 2 OPENS
4 a		... If the limit switch is available wait until the first motor stops	Motor no.1 stops, then motor no. 2 OPENS
5		Push the TIMES button (or START) if the slowing down is activated (trimmer V. Slow down) ...	The second motor slows down when opening
6		Push the button TIMES (or START) (if the opening limit switches motor no. 2 is not available)	The second motor stops, the counting of the pause time starts
6 a		... If the limit switch is available wait until motor no. 2 stops	2° motor stops, the counting of the pause time starts
		Let the required pause time run...	
7		Push the TIMES button (or START)	The second motor CLOSES
8		Push the TIMES button (or START) if the slowing down is activated (trimmer see Slow down)	The second motor slows down when closing

9		Push the TIMES button (or START) (if the closing limit switch of motor no.2 is not available)	The second motor stops, the first motor CLOSES
9 a		... if the limit switch is available wait until motor no. 2 stops	The 2° motor stops, the 1° motor CLOSES
10		Push the TIMES button (or START) ...if the slowing down is activated (trimmer see Slow down)...	The motor no.1 slows down when closing
11		Push the button TIMES (or START) ... if the closing limit switches of motor no.1 is not available...	Motor no.1 stops. End of ADVANCED LEARNING TIME
11 a		... if the limit switches is available wait the stop of motor no.1	Motor no.1 stops. End of ADVANCED LEARNING TIME.

* After the first push of the TIMES button you can use the START command from the clamp no.17 or from the learned remote control

8.3 Time learning PEDESTRIAN WAY

The gate is in closed position			
	1	Press and keep pressed the TIMES button till the control board starts motor no. 1 in OPEN, then release the TIMES button	Motor no.1 OPENS
	2	Press the TIMES button	Motor no.1 CLOSES
		Let the desired pause time run for the PEDESTRIAN OPENING	
	3	Press the TIMES button	Motor no.1 CLOSES
	4	Push the button TIMES (if the closing limit switches of motor no.1 is not available)	Motor no.1 stops. The pedestrian door is closed. End
	4 a	... If the limit switch is available wait until the motor no.1 (pedestrian use) stops in its closing	Motor no.1 stops by closing limit switches. The pedestrian door is closed. End.

8.4 Time learning: pause (fastest way)

The gate is in PAUSE			
	1	Press and release the TIMES button	The L.E.D. lights for opening and closing are witched ON
		Let the new pause time run...	
	2	Press and release the TIMES button	The gate CLOSES. End of the fast learning time and PAUSE TIME.

9 Instruction for TEST

The TEST function is compatible with devices with slow reponse (for example TRANSCIVER) so when those devices are available the response time can be slower. You can test the devices in the STOP input.

Follow this procedure to know if some devices connected ot the inputs FOTO, FOTOSTOP (photocell B) and STOP are under TEST.

Connect for the TEST			
	1	When the control is switched OFF, put in OFF dip 8 of DIP A	
 LED	2	Power the control unit and wait the standard flash of the Led	
	3	Put in ON DIP 8 of DIP A	
 START	4	Let the gate open with a START commande or the time learning if necessary	

Now the control unit check ethe devices under TEST and the depart of the doors can be delayed

10 Advanced Settings



Adjust of the force
of the motor from
20% up to 100%



Desplacement time open and close, from minimum\sec and if you adjust at the maximum power, the second leaf will start when the first leaf has finished the working time.

When adjusted it will work at the next manoeuvre
(0 - MAX)



Speed of slow down (MINIMUM OFF) For the majority of the motors the best value is from Min up to 4. You need to adjust a speed of 1/3 of the motor speed. To deactivate the slow down adjust the trimmer in OFF position.



Level of sensitivity and OBSTACLE DETECTION: Turn to MIN it needs only a little bit of force to stop the motor, if you turn up you will have more force. If you adjust the trimmer in OFF, you will exclude the obstacle detection.

11 Note

[illegible]

12 Declaration of CE conformity

(according to EC Directive 2006/42, Attachment II, part 1, ses. A)

The undersigned **Ernestino Bandera**,
Administrator

DECLARES THAT:



Factory:

Address:

Product's name::

EB TECHNOLOGY SRL

Corso Sempione 172/5

21052 Busto Arsizio VA Italy

START-S6XL BLOCK

Single phase for 230 Vac 2 motors

THE PRODUCT COMPLIES

with what is outlined in the European Community directive:

2006/42/CE

EC DIRECTIVE 2006/42 ISSUED BY THE EUROPEAN PARLIAMENT AND COUNCIL on may 17, 2006 harmonizing the legislation of the member countries regarding machinery.

Reference: Attachment II, part 1, ses. A (EC Declaration of Conformity issued by the manufacturer).

THE PRODUCT COMPLIES

with what is outlined in the European Community directives:

2006/95/CE

EEC DIRECTIVE 2006/95 ISSUED BY THE EUROPEAN COUNCIL on December 12, 2006 harmonizing the legislation of the member countries regarding electric materials for use within certain voltage limits

Reference to harmonized standards: EN 60335-1

2004/108/CE

EEC DIRECTIVE 2004/108/CE ISSUED BY THE EUROPEAN COUNCIL on December 15, 2004, harmonizing the legislation of the member countries regarding electromagnetic compatibility.

Reference to harmonized standards: EN 61000-6-2 EN 61000-6-3

IL PRODOTTO E' CONFORME

with the essential requirements of article 3 of the following European Community Directive, for the use for which the product is designede

1999/5/CE

EC DIRECTIVE 1999/5 ISSUED BY THE EUROPEAN PARLIAMENT AND COUNCIL on March 9, 1999 regarding wireless units and telecommunications terminals and their reciprocal recognition

Reference to harmonized standards: ETSI EN 300 220-3 ETSI EN 301 489-1 ETSI EN 301 489-3

The directive 2006/42/CE remind that it is not allowed the function of the product until the machine, for which the product is included, is not indentify and declared conformed to the 2006/42/CE directive.

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Dairago, 2 february 2012
the Administrator
Ernestino Bandera



DICHIARAZIONE DI CONFORMITA' Il sottoscritto, rappresentante il seguente costruttore, dichiara che l'apparecchio denominato START-S6XL BLOCK risulta conforme a tutte le norme tecniche relative al prodotto entro il campo di applicabilità delle Direttive Comunitarie 2006/42/CE, 2006/95/CE, 2004/108/CE e 99/5/CEE Sono state eseguite tutte le necessarie prove di radiofrequenza EB TECHNOLOGY SRL Corso Sempione 172/5 21052 Busto Arsizio (Va) Italia Questa dichiarazione viene emessa sotto la sola responsabilità del costruttore e, se applicabile, del suo rappresentante autorizzato. Busto Arsizio (Va) - Italia, 02/02/2014 ERNESTINO BANDERA Amministratore	DECLARATION OF CONFORMITY The undersigned, representative of the following manufacturer, hereby certifies that the equipment known as START-S6XL BLOCK complies with all technical requirements concerning this product within the domain of application of the EC Directives 2006/42/CE, 2006/95/CE, 2004/108/CE and 99/5/CEE All necessary radiofrequency tests have been performed EB TECHNOLOGY SRL Corso Sempione 172/5 21052 Busto Arsizio (Va) Italy This declaration is rendered under the manufacturer's sole responsibility, and if applicable, under responsibility of his authorized representative. Busto Arsizio (Va) - Italia, 02/02/2014 ERNESTINO BANDERA Administrator	DÉCLARATION DE CONFORMITÉ Le soussigné, représentant du constructeur suivant certifie que les appareils ci-dessus référencés START-S6XL BLOCK sont conformes à toutes les normes techniques relativement au produit dans le domaine d'application des Directives Européennes 2006/42/CE, 2006/95/CE, 2004/108/CE et 99/5/CEE Toutes les essais de radiofréquence nécessaires ont été effectués EB TECHNOLOGY SRL Corso Sempione 172/5 21052 Busto Arsizio (Va) Italy Cette déclaration est présentée sous la seule responsabilité du constructeur et, si applicable, de son représentant autorisé. Busto Arsizio (Va) - Italia, 02/02/2014 ERNESTINO BANDERA Administrateur
KONFORMITÄTSSERTIFIKAT Der Unterzeichner bescheinigt, dass das Produkt START-S6XL BLOCK allen technischen Produktegesetzen, laut den Europäische Gesetzen 2006/42/CE, 2006/95/CE, 2004/108/CE e 99/5/CEE, entspricht. Alle Radiofrequenzprüfungen haben bei der nachstehenden Firma stattgefunden: EB TECHNOLOGY SRL Corso Sempione 172/5 21052 Busto Arsizio (Va) Italy Diese Bescheinigung wird unter der alleinigen Verantwortung des Herstellers ausgestellt und dort woanwenbar, auch unter der des befugten Vertreters. Busto Arsizio (Va) - Italia, 02/02/2014 ERNESTINO BANDERA Verwalter	DECLARACIÓN DE CONFORMIDAD El abajo firmante, representante el fabricante siguiente, declara que el equipo denominado START-S6XL BLOCK es conforme con todas las normas técnicas correspondientes al producto en el campo de aplicación de las Directivas Comunitarias 2006/42/CE, 2006/95/CE, 2004/108/CE y 99/5/CEE Han sido realizadas todas las necesarias pruebas de radiofrecuencia. EB TECHNOLOGY SRL Corso Sempione 172/5 21052 Busto Arsizio (Va) Italy Esta declaración se expide bajo la exclusiva responsabilidad del fabricante y, si de aplicación, de su representante autorizado. Busto Arsizio (Va) - Italia, 02/02/2014 ERNESTINO BANDERA Administrador	DECLARAÇÃO DE CONFORMIDADE O abaixo-assinado, representando o seguinte construtor declara que o aparelho denominado START-S6XL BLOCK é conforme a todas as normas técnicas relativas ao produto dentro o campo de aplicabilidade das Diretivas Comunitarias 2006/42/CE, 2006/95/CE, 2004/108/CE e 99/5/CEE Foram executadas todas as necessárias provas de rádio frequência. EB TECHNOLOGY SRL Corso Sempione 172/5 21052 Busto Arsizio (Va) Italy Esta declaração vem emitida somente com a responsabilidade do construtor e, se aplicável, do seu representante autorizado. Busto Arsizio (Va) - Italia, 02/02/2014 ERNESTINO BANDERA Administrador