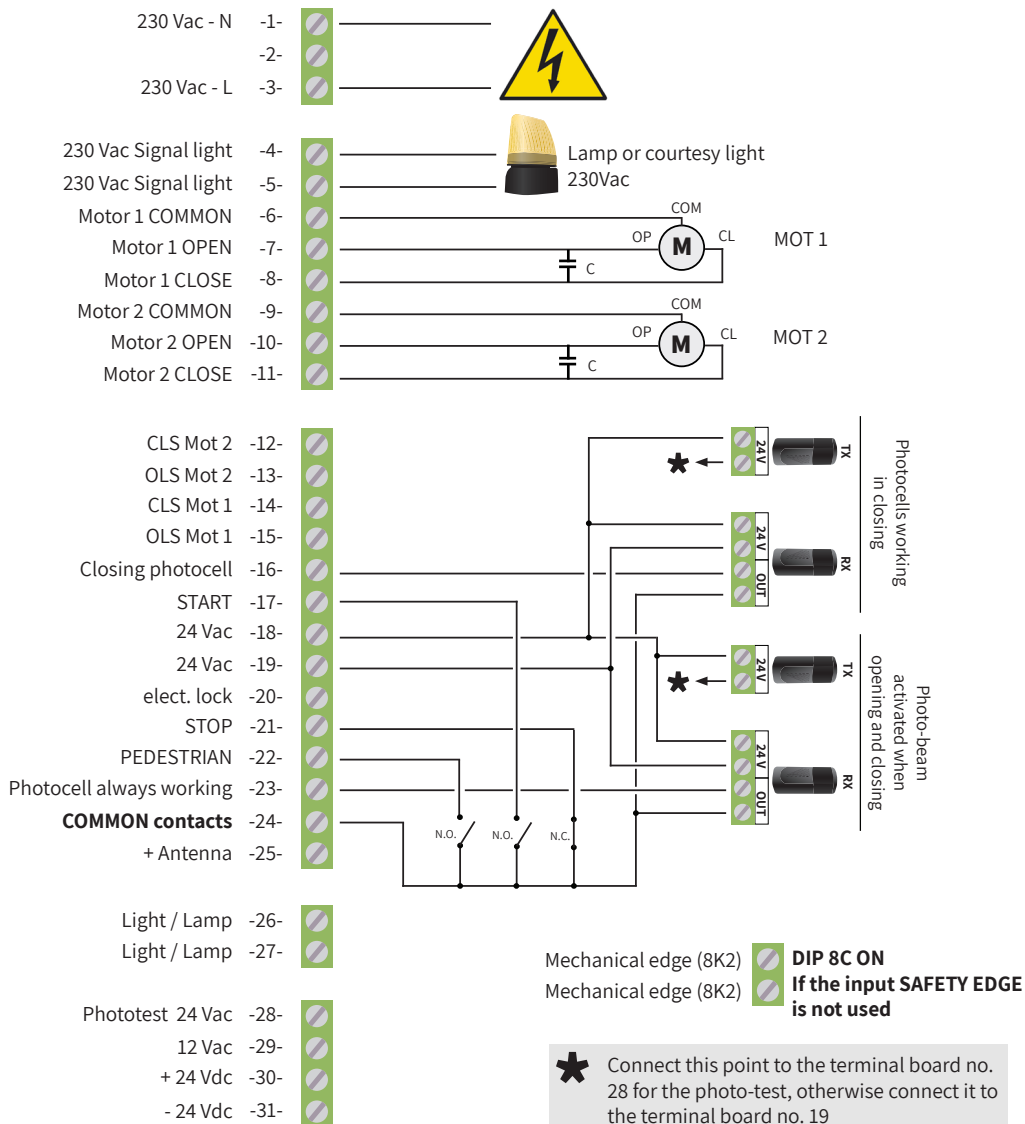


START-S4XL v.2021

TECHNICAL MANUAL



SYMBOL

The special messages indicated below, may appear throughout the technical manual to draw attention to information that clarifies or simplifies a procedure.



The addition of this graphic symbol to a “Danger” or “Warning” safety advice, indicates that there is an electrical or mechanical risk, which can cause physical injury if the instructions are not followed. Please follow all safety messages that have this symbol to avoid injury or material damage.

WARNING

Installation, management, service and maintenance must only be carried out by qualified personnel. The producer assumes no responsibility for the consequences that may arise from the use of this material. Failure to follow these instructions can result in serious personal injury.

INTRODUCTION

This manual provides all the information necessary for the correct installation and use of the equipment in your possession. It must be read carefully at the time of purchase, and consulted to check the limitations on the use, and when you are about to carry out maintenance. The manufacturer reserves the right to make any changes to the product without notice.

SAFETY MEASURE

In the event of incorrect use, repairs or modifications made by unqualified personnel, all guarantees will be void. The manufacturer declines all responsibility for damage deriving from inappropriate use of the product or from use other than that for which the product was intended. The manufacturer declines all responsibility for consequential damages except for the civil liability for the products. We remind you that automatic gate and door systems must only be installed by qualified technical personnel, in full compliance with the law. Before each installation check the mechanical strength of the gate or door. Check that all mechanical stops are suitable to stop the gate/door to avoid of damage.

MEASURE FOR THE ENVIRONMENT

In the event of incorrect use, repairs or modifications made by unqualified personnel, all guarantees will be void. The manufacturer declines all responsibility for damage deriving from inappropriate use of the product or from use other than that for which the product was intended. The manufacturer declines all responsibility for consequential damages except for the civil liability for the products. We remind you that automatic gate and door systems must only be installed by qualified technical personnel, in full compliance with the law. Before each installation check the mechanical strength of the gate or door. Check that all mechanical stops are suitable to stop the gate/door to avoid of damage.

INDEX

1. INTRODUCTION	3
1.1 SAFETY PRECAUTIONS	3
1.2 FIELD OF APPLICATION	3
1.3 TYPE OF INSTALLATION	3
1.4 TECHNICAL FEATURES	3
2. INSTALLATION	4
2.1 DIAGRAM OF THE CONTROL UNIT	4
2.2 DESCRIPTION OF THE ELECTRICAL CONNECTION	5
2.3 CONNECTION OF THE FLASHING LIGHT 230 VAC	6
2.4 CONNECTION OF ONE 24V GATE OPEN AND MOVING LIGHT	6
2.5 CONNECTION OF THE COURTESY LIGHT	6
2.6 POWER SUPPLY OF THE ACCESSORIES	6
2.7 CONNECTION OF THE STOP/ALT CONTROL DEVICES	7
2.8 CONNECTION OF LIMIT SWITCHES LSO AND LSC	7
2.9 CONNECTION OF ELEC. LOCK 12 VAC	7
2.10 CONNECTION OF ANTENNA	7
2.11 CONNECTION OF THE PHOTOCELLS	8
PHOTOCELLS A (ONLY IN CLOSING MODE) 24 VAC	8
PHOTOCELLS B (BOTH IN CLOSING AND OPENING) 24 VAC	8
2.12 CONNECTION OF THE COMMANDS “START” AND “PEDESTRIAN”	9
2.13 CHECKING CONNECTIONS	9
3. INSTRUCTION FOR TEST	9
4. ADJUST OF FORCE, DESPLACEMENT AND SLOWDOWN	10
5. FUNCTIONS AND ADJUSTMENTS	10
5.1 SETTING UP WITH DIP A	10
5.2 SETTING UP WITH DIP B	11
5.3 SETTING UP WITH DIP C	12
6. LED	12
7. USING THE REMOTE CONTROLS	13
7.1 FULL CANCELLATION OF THE MEMORY	13
7.2 LEARNING OF THE REMOTE CONTROLS	13
8. TIME LEARNING	14
8.1 TIME LEARNING: NORMAL WAY	14
8.2 TIME LEARNING: ADVANCED SYSTEM	15
8.3 TIME LEARNING PEDESTRIAN WAY	16
8.4 TIME LEARNING: PAUSE (FASTEST WAY)	17
9. RESET OF THE MEMORY	17
10. DECLARATION OF CE CONFORMITY	18

1. INTRODUCTION

1.1 SAFETY PRECAUTIONS

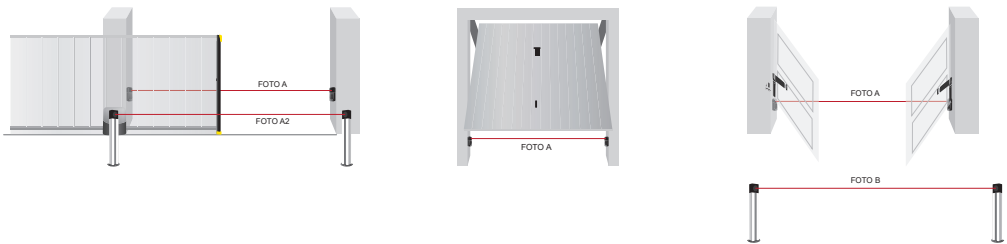
Using the unit improperly and performing repairs or modifications personally will void the warranty. The producer declines any responsibility for damages due to inappropriate use of the product and due to any use other than the use the product was designed for. The producer declines any responsibility for consequential damages except civilliability for the products. Every programming and/or every maintenance service should be done by qualified technicians.

1.2 FIELD OF APPLICATION

230Vac Universal control unit/control panel/control board for swing gate motors/sliding gate motors, garage doors motor. It can be connected to an hydraulic and electro-mecanic motors. Receiver RX1-I not included

1.3 TYPE OF INSTALLATION

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.



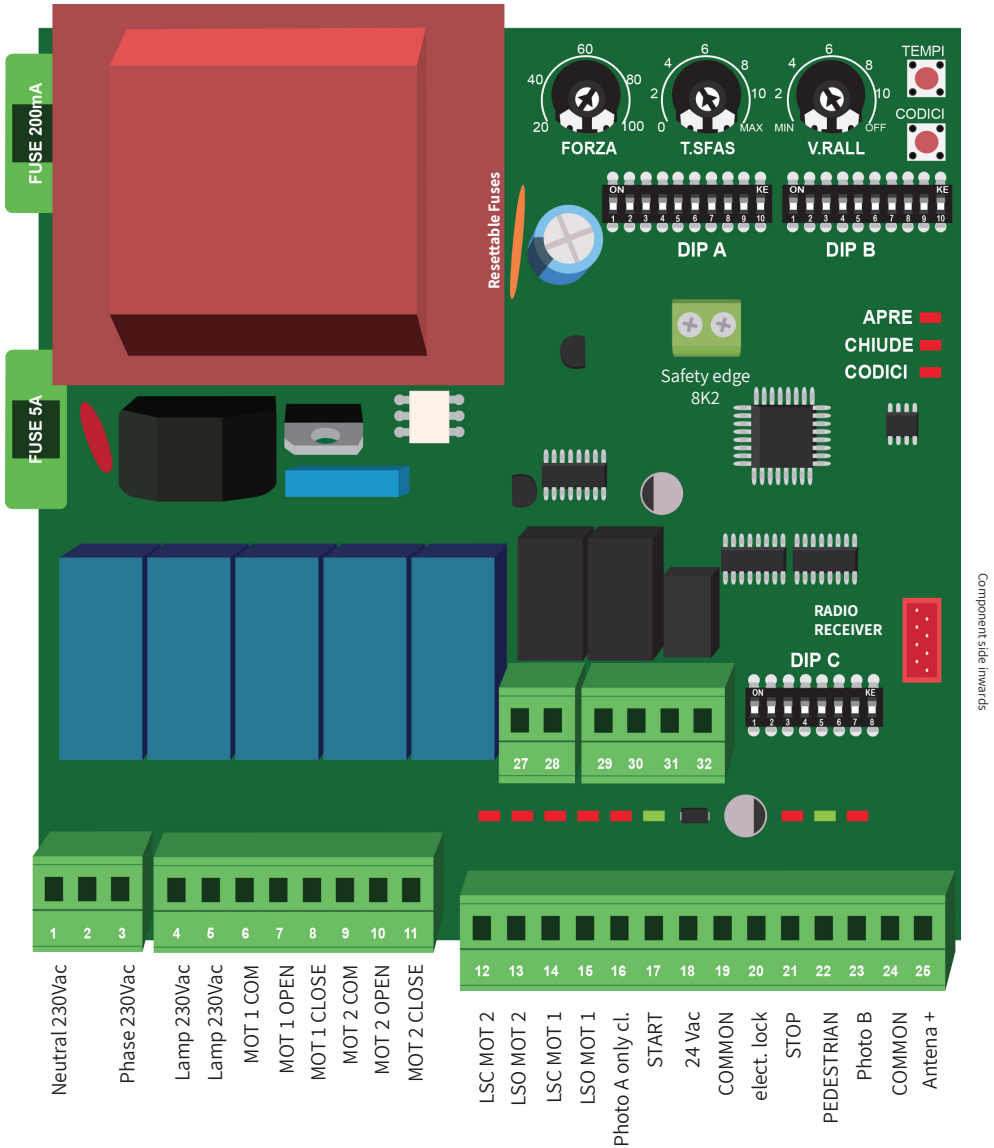
We recommend to install a STOP switch which stops immediatelly the gate. The switch has a normally close contact which opens the contact when it is working. See Par. 2.7

1.4 TECHNICAL FEATURES

Dimensions	145 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 19-29)	600	mA
MAX absorption 24 Vdc (clamps 30-31)	100	mA

2. INSTALLATION

2.1 DIAGRAM OF THE CONTROL UNIT AND ELECTRICAL CONNECTIONS



Connection of the VOLTAGE line

230 Volt Single-phase alternate current. The control unit power supply line must always be protected with a magnetothermal switch or a pair of 5A fuses.

A differential switch is recommended but not indispensable if one is already installed on the plant.

2.2 DESCRIPTION OF THE ELECTRICAL CONNECTION

230 Vac Neutral	1		230 Vac Power supply 50 Hz NEUTRAL
	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
Photocell A	16		Input photocell A; working only by closing (see chapter 2.11)
START	17		Input command bi-stable START
24Vac	18		Output for 24Vac
Common 1	19		Common for all inputs: services, Security devices, 12/24 Vac.
elect. block	20		Output for electrical lock
STOP	21		STOP input
PEDESTRIAN	22		Input for bi-stable function partial opening PEDESTRIAN
Photocell B	23		Input photocell B working in closing and in opening (see chap. 2.11)
Common 1	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		Contact for light (for flashing light without electronic card)
PhotoTEST	28		Output 24Vac TEST (see chapter 3)
12Vac	29		Output 12Vac
24Vdc +	30		Output 24Vdc +
Common 24Vdc -	31		Output 24Vdc - Common for inputs: services and safety



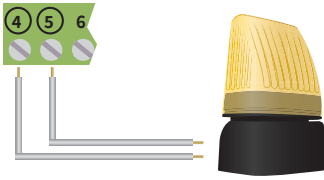
Connection of the MOTOR

Pay particular attention not to invert the OPEN and CLOSE poles.

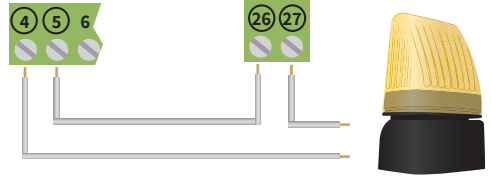
When in doubt as to the correct connection, if possible, manually position the automation at the midpoint of its stroke. Be ready to stop the system using the STOP control!

To be sure that the opening is really "opening", try to block the photocells: if the gate begins to close, the connection is incorrect and the motor OPEN and CLOSE wires must be inverted.

2.3 CONNECTION OF THE FLASHING LIGHT 230 VAC



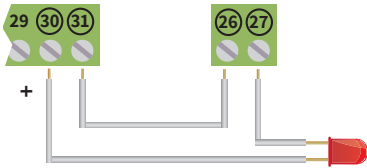
Flashing light complete
with intermittence circuit board



Flashing light complete without
intermittence circuit board

! If you are expecting to use for a 24V light, you can't use this connection.

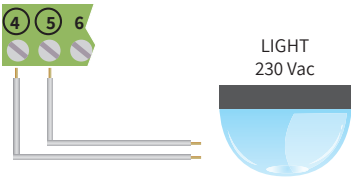
2.4 CONNECTION OF ONE 24V GATE OPEN AND MOVING LIGHT



! If you are expecting to use a signal light, you can't use this connection.

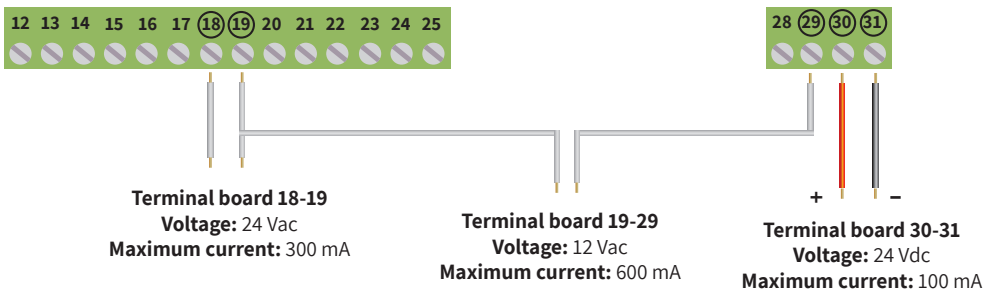


2.5 CONNECTION OF THE COURTESY LIGHT



2.6 POWER SUPPLY OF THE 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. 29 there is a tension of 12 Vac.

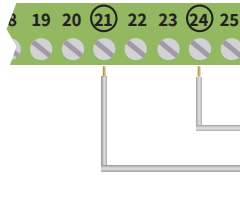


2.7 CONNECTION OF THE STOP/ALT CONTROL DEVICES

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.



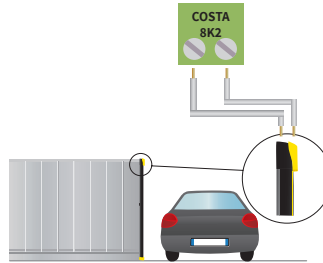
! If the STOP input is NOT used put the DIP 6 C on ON.

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.

Connection of the ALT control

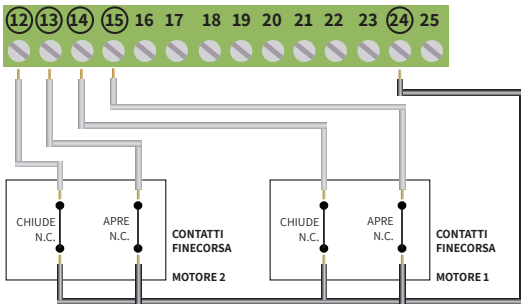
Stops the automation and activates an inversion of direction for approximately 1.5 seconds.

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



Deactivate the input for SAFETY EDGE DIP 8 C ON

2.8 CONNECTION OF LIMIT SWITCHES LSO AND LSC



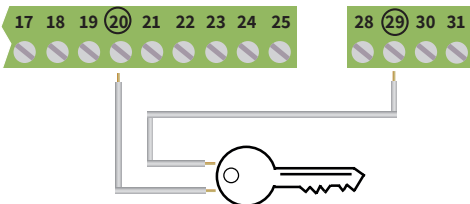
The picture shows the connection of both limit switches.

The limit switch contacts must be N.C. (normally closed) contacts.

! If the LSO or LSC inputs aren't in use, follow the instructions you find in chapter 5.3

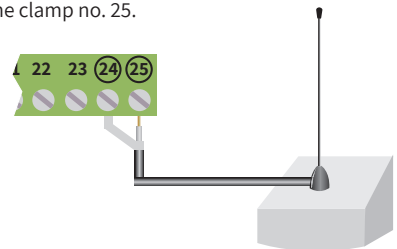
2.9 CONNECTION OF ELEC. LOCK 12 VAC

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



2.10 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.



2.1.1 CONNECTION OF THE PHOTOCELLS

The photocell receiver contact must be:

- **clean** (insulated from power supply voltages)
- **type N.C.** (Normally closed)

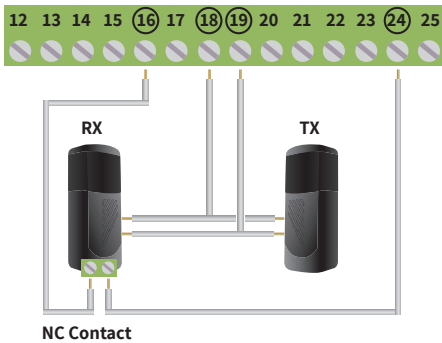
If more than one pair of photocells is used, they must be connected in series.

The photocell TEST ensures that the automation only functions when the photocells are functioning properly.

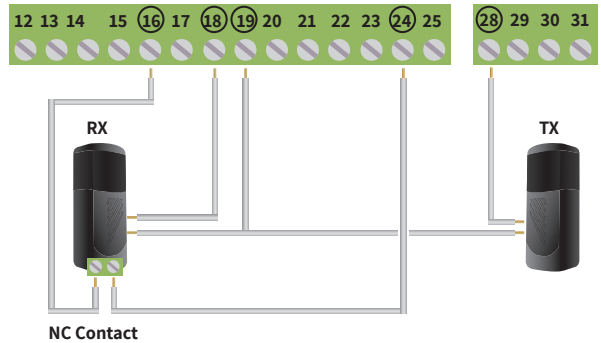
In fact, the control unit performs the test before each opening. If there is a photocell malfunction, the control unit turns the flashing lights on for 5 seconds and the automation does not start.

PHOTOCELLS A (ONLY IN CLOSING MODE) 24 VAC

Without TEST



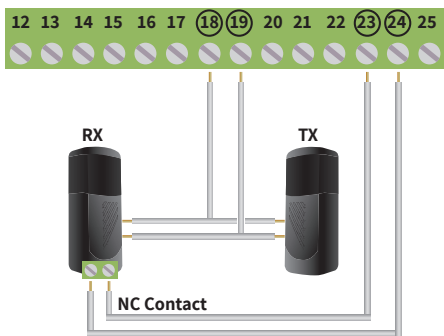
With TEST



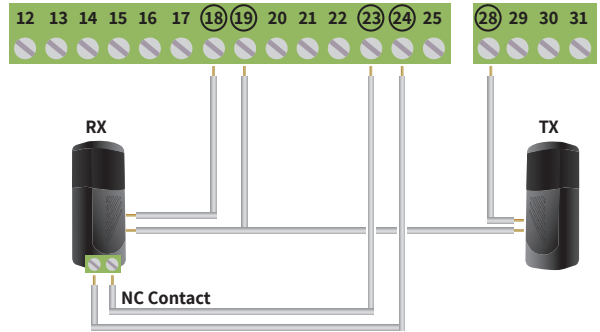
! If the input PHOTO A is not used put the DIP 5 C in ON

PHOTOCELLS B (BOTH IN CLOSING AND OPENING) 24 VAC

Without TEST

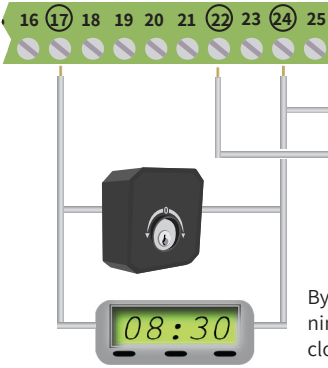


With TEST



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

2.12 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 connect you need to connect them in parallel.

2.13 CHECKING 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.

Normally the red lights on inputs **STOP - PHOTO A - PHOTO B - LSO - LSC** are **ON**
 Normally the green lights on the control inputs **START - PEDESTRIAN** are **OFF**



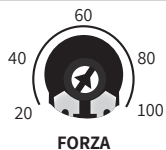
3. INSTRUCTION FOR TEST

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

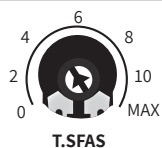
Follow this procedure to know if some devices connected at the inputs PHOTO and STOP are under TEST (**Par. 2.11**)

	1	When the control is switched OFF, put in OFF dip 8 of DIP A
	2	Power the control unit and wait the standard flash of the Led
	3	Put in ON DIP 8 of DIP A
	4	Let the gate open with a START commande or the time learning if necessary (Par. 8.1). Now the control unit check ethe devices under TEST and the depart of the doors can be delayed.

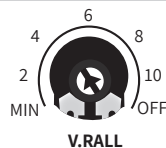
4. ADJUST OF FORCE, DESPLACEMENT AND SLOWDOW



Adjust of the force of the motor. From 20% up to 100%



Displacement 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.




5. FUNCTIONS AND ADJUSTMENTS

5.1 SETTING UP WITH 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 electrical 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 TRANSCIEVER, see Chap no. 3)
	9-ON	Fix light	The output of the lamp indicating the opening gate is fix instead of flashing.
	10-ON	Programming time advanced	It activates the time learning with an advanced system (see Chapter no. 8.2)

5.2 SETTING UP WITH DIP B

	1-ON	Man present	This function can able the “ Man present” function, The START command opens the closing PEDESTRIAN command. The motors stops when the command has been released. <i>To go back to the normal functioning: turn off the control board and put the DIP1 in OFF again.</i>
	2-ON	Industrial gate	The PEDESTRIAN command is closed while the START COMMAND has the same function of the DIP 1 and DIP 2
	3-ON	Rolling code HCS	Activate the rolling code function. The control board accepts ONLY the HCS rolling code remote controls and it checks the rolling code counter. The remote controls cannot be copied. If it's not active it only accepts the fixed part of the code.
	4-ON	Controlled gradual start	The motors has a minimum force for the start and they can reach the planned values. This function is not compatible with all gates, it should be evaluated according to the installation.
	5-ON	1 motor	It able the use of only one motor. The control board makes all manoeuvre and the motor no. 2 works simultaneously with motor no.1 The time learning is only for ONLY motor no. 1
	6-ON	Opening displacement	If you put the DIP SWITCH in ON the opening displacement will be at 2 seconds. The closing displacement time can be chosen with the trimmer “displacement”.
	7	X	Leave in OFF
	8-9-10 OFF	Time learning planned from the user	Leave in OFF when using the planning time set up from the user, otherwise see the diagram below.



		TIME “START“ IN OPENING AND CLOSING	TIME “PEDESTRIAN“ IN OPENING AND CLOSING
	8 ON 9-10 OFF	10” (seconds)	6” (seconds)
	9 ON 8-10 OFF	14” (seconds)	8” (seconds)
	8-9 ON 10 OFF	18” (seconds)	10” (seconds)
	10 ON 8-9 OFF	22” (seconds)	12” (seconds)
	8-10 ON 9 OFF	26” (seconds)	14” (seconds)
	9-10 ON 8 OFF	32” (seconds)	18” (seconds)
	8-9-10 ON	38” (seconds)	20” (seconds)




5.3 SETTING UP WITH DIP C




	1-ON	LSC M2	Exclusion of the inputs closes limit switches motor 2
	2-ON	LSO M2	Exclusion of the inputs opens limit switches motor 2
	3-ON	LSC M1	Exclusion of the inputs of the closing limit switches motor 1
	4-ON	LSO M1	Exclusion of the inputs of the opening limit switches motor 1
	5-ON	Photocell A	Exclusion of the input of photocell working in closing
	6-ON	STOP	Exclusion of the input stop
	7-ON	Photocell B	Exclusion input photocell always activated
	8-ON	Safety Edge 8K2	Exclusion of the input for SAFETY EDGE 8K2




6. LED




Wherewith the condition of the gate:




APRE  | The led for codes flashes:
CHIUDE  | The gate is closed
CODICI 




APRE  | Led in opening flashes:
CHIUDE  | The gate is in opening
CODICI  | slow down.

APRE  | Led indicating the opening
CHIUDE  | is switching on:
CODICI  | The gate is opening

APRE  | Led opening and closing flashes:
CHIUDE  | The gate is open and stop
CODICI 

APRE  | Led by closing is switched
CHIUDE  | on: The gate is closing
CODICI 

APRE  | led in closing flashes:
CHIUDE  | The gate is slowing down
CODICI  | by closing

APRE  | led opening and closing
CHIUDE  | and l.e.d. codes flashes:
CODICI  | Fast setting up of the
 pause time

Legend

 Off  Flash  Lit on

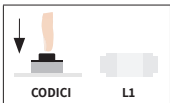
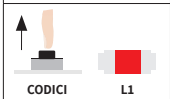
7. USING THE REMOTE CONTROLS

To manage remote controls, the electronic circuit board must have a wireless module RX1-I. The control board can accept different type of codes, the first memorized remote control defines the type, consequently, other type of codes (different from the first memorized remote control) cannot be learnt. The control board accepts standard codes from 12 to 64 bit and only the fixed part of the code for the rolling code HCS®, but using the DIP 3-B the rolling code count can be monitored. This way the remote controls cannot be copied. The memory capacity is about 200 different rolling codes. The first memorized remote control defines the type of code that the receiver shall learn, consequently, the subsequently memorized remote controls must have the same type of code.

7.1 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.

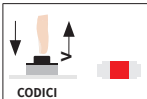

The cancellation of the memory (all codes) is possible only when the gate is closed.

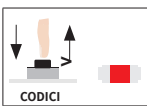
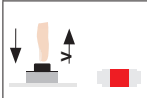

	1	Make sure that the gate is in CLOSED position. Press and keep pressed the codes button
	2	Wait for the LED CODES to start flashing, then release it. Wait until the reset of the memory.

7.2 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 CODICI button, the LED CODICI will stay lit.
	3	Press the button of the remote control, ex: button no.1: if it is memorized LED CODICI will flash

	1	Press and release the CODICI button, the LED CODICI will stay lit.
	2	Press again the CODICI button, the LED CODICI will flash and stay lit
	3	Press the button of the remote control, ex: button no.2: if it is memorized LED CODICI 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.



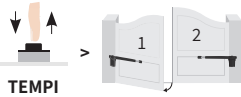
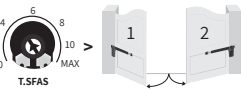
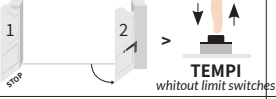
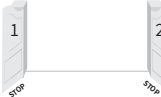

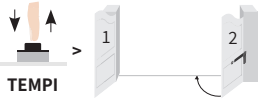
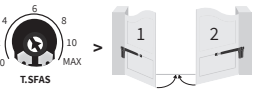
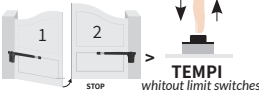

8. TIME LEARNING

The control board START S4XL has two way to plan the working time.



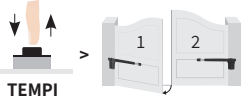
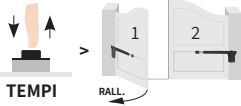
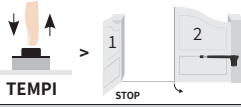
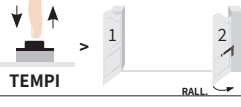
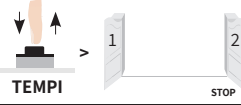

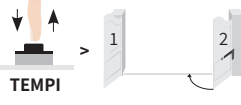
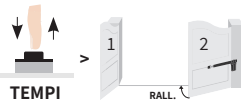
NORMAL WAY: use this system when the doors are the same and the motors are the same.

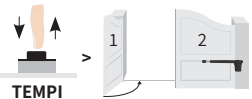
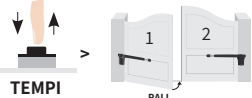
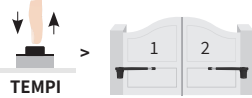
ADVANCED SYSTEM: use this system when you want to set up the exact timing of slow down and/or the doors have different working times.

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 TEMPI * 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 TEMPI 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 TEMPI 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 TEMPI , ONLY IN CASE THE LIMIT SWITCHES ARE NOT AVAILABLE.
11		Wait the gate is completely closed, the correct program of the working time will be confirmed.

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

8.3 TIME LEARNING PEDESTRIAN WAY






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

8.4 TIME LEARNING: PAUSE (FASTEST WAY)

The gate is in PAUSE		
 <p>TEMPI</p>	<p>1 Press and release the TIMES button</p>	<p>The LED lights for opening and closing are witched ON</p>
	<p>Let the new pause time run...</p>	
 <p>TEMPI</p>	<p>2 Press and release the TIMES button</p>	<p>The gate CLOSES. End of the fast learning time and PAUSE TIME.</p>

9. RESET OF THE MEMORY

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

 <p>TEMPI CODICI</p>  <p>LED L1</p>	<p>1</p>	<p>Press the buttons CODES and TIMES LED L1 lit ON</p>
  <p>LED L1</p>	<p>2</p>	<p>Wait 10 seconds until LED L1 will switch OFF</p>
 <p>TEMPI CODICI</p>	<p>3</p>	<p>Release the buttons CODES and TIMES</p>

10. DECLARATION OF CE CONFORMITY

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

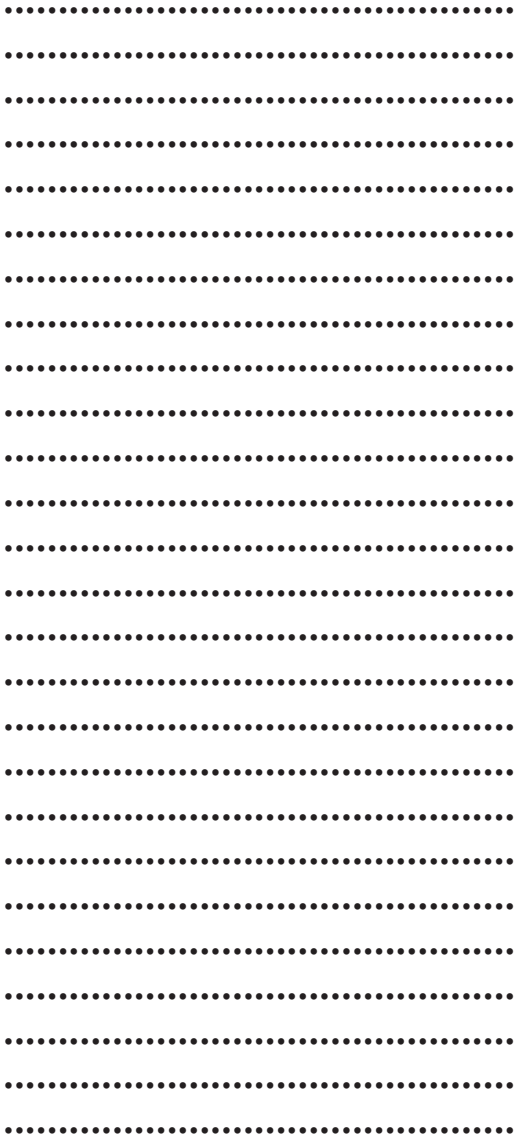
The undersigned **Ernestino Bandera**,
Administrator



DECLARES THAT:

Company: EB TECHNOLOGY SRL
Address: Corso Sempione 172/5
21052 Busto Arsizio VA Italy
Product's name: START-S4XL
Control board 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:
2014/35/EU
DIRECTIVE 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.
Reference to harmonized standards: EN 60335-1
2014/30/EU
DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility.
Reference to harmonized standards: EN 61000-6-2 EN 61000-6-3
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.



Dairago, 2nd February 2017
Administrator
Ernestino Bandera

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