- 12/24V control unit
- Display program
- Total programmable

START S10







Connect this point to the terminal board no.16 for the photo-test. Otherwise connect it to the terminal board no.13

Foreword

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 automation is conformed to the european laws: EN 60204-1, EN 12445, EN 12453

It is compulsory to be conformed to the automatic gates: EN 12453, EN 12445, EN 12978 and national laws.

The force of the door should be measured and adjusted according the maximum values of the norm **EN 12453**.

Environmental protection

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.



The symbol indicates that the product must not be disposed of with the normal 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 dictionary

OLS	Opening Limit Switch	
CLS	Closing Limit Switch	
START	START control	
PEDESTRIAN	Partial Opening	
Vac	(alternate current)	
Vdc	(direct current)	
NC	Normally closed	
NA o NO	Normally open	
Contatto pulito	Isolated contact	

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1 Introduction

START S10 is a new control unit with time counter and digital slow down. It has been designed for different uses: for onetwo motors gates, low tensions motors mechanical and oleodynamic. It has been used the most advanced technologies to guarantee the protection against interferences, the flexibility and the variety of functions.

1.1 Description of the product

Ē	Self-learning of the working time
Ŧ	automatic battery charter
Ē	Reading and program with DISPLAY
Ē	Check of the motors, Max 80W totally
Ē	Adjustment of the motor speed and slow down
Ē	Obstacle detection for separate motors and separate speed and slow down for the motors
Ē	Code managing (up to 197 remote controls)
Ē	Test for safety devices before each opening
Ē	Opto-isolated inputs, excepted for PARTIAL OPENING

1.2 Technical description

Maximum power with trasformer: 100 VA	80 W	
Protection Fuse	F1 : 3,15 A <i>ritardato</i> - F2 : 1,6 A - F3 : 8 A	
Dimensions	b170 x h90 x p30 mm	
Weight	250 g (transformer not included)	

2 Premises

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

Before starting installation, check that the mechanical consistency and sturdiness of the gate or door, check that the mechanical stops are suitable to stop the movement of the gate or door even if the electrical limit switches should fail or during manual operations.

2.1 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 infi Itrations 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.

2.2 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.

⇔	Power supply line	Cable 3x1,5 mm ²
⇔	Motor cable (if not equipped)	4x1,5 mm ² Min Cable, for long distances use a 4x2,5 mm ²
➡ Flashing signal Cable 2x1 mm ²		Cable 2x1 mm ²
⇔	Antenna	Shielded cable type RG58
➡ Key selector Cable 3x0,5 o 0,75 mm²		Cable 3x0,5 o 0,75 mm ²
⇔	Photocell transmitter	Cable 2x0,5 o 0,75 mm ²
⇔	Photocell receiver	Cable 3x0,5 o 0,75 mm ²

2.3 Type of installation

These two simple diagrams show only one of the possible applications for this control unit. The risks inherent to the "MACHINE" and the user's requirements must be analyzed in depth in order to establish how many elements need to be installed. All NOLOGO photocells have a system of synchronism that makes it possible to eliminate interference between two pairs of photocells (for other details, see the instructions for the photocells).

In the diagram , photocells **"FOTO A"** in opening they have no effect, while it provoque a complete inversion during closing. **"FOTO A2"** is the serial connection of **"FOTO A"** or **"ALT, FOTO B"** is the photocell working by closing and opening.



2.4 Notes on 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 mm 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), for long distances use a $4x2.5 \text{ mm}^{2}$.
- In connecting the part with an extremely low safety voltage, use cables with a minimum section of 0,5 o 0,75mm².
- 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.

2.5 Scheme of the control unit and electrical connections



SET UP OF THE CONTROL UNIT

To program the control unit press **P1**, the gate must be closed (*if you* press **P1** when the control unit is turning on. It leaves the function before the turning off)

Use **P2** or **P3** to select different groups **T**, **L**, **S**, **C**, **R**, or select **E** to go back to the standard function. The control unit will reset all functions and go back to the normal status after 60 seconds which is unsed.

Press **P1** to confirm the operation, **P2** and **P3** to choose the set up, if you need to go back to the group of set up press **P2+P3**

WHEN THE CONNECTION IS FINISHED

When the connection is finished, check the motors as shown in the Par. **4.2 Function R.** Then before the memorization of the working time, set up the speed, obstacle detection and activation/deactivation of the inputs.

1 → 18	Tension for accessories, inputs, services and safeties	
19 → 22	Power supply of the motor	
23 → 30	Power supply of the control unit, Battery	
J12/24	Selection of the 12/24V power supply	
P1 P2 P3	Buttons to reset the control unit	
F1	Fuse for Transformer power supply - 3, 15 A Rit.	
F2	Fuse power supply, accessories and logic - 1,6 A	
F3	Fuses for power supply of the motors - 8 A	

+ Antenna -1-

Common Services and Safeties -2-

Common Services and Safeties -3-

- Closing limit switch 2 -4-
- Opening limit switch 2 -5-
 - Closing limit switch 1 -6-
- Opening limit switch1 _7- (
 - Photo A -8- (
 - Photo B -9-
 - Stop -10-
 - Start -11-
 - Partial opening -12-

- Common for a	ccessories -13-
+ Power supply for a	accessories -14-
	- LIGHT -15- 📿
	- TEST -16- 📿
- LAMP OR COURT	ESY LIGHT -17-
- ELEC.	KEY LOCK -18-
	MOT 2 -19- 📿
Read Paragraph 3.2 to	MOT 2 -20- 📿
• tion of the motors.	MOT 1 -21- 📿
	MOT 1 -22-

- BATTERY -23-+ BATTERY -24-Input for LOW TENSION -25-Input for LOW TENSION -26-



- 230 Vac input -27-
- 230 Vac input -28-
- Output for power supply -29-
- Output for power supply -30-

Installation of the control unit 3

3.1 Connection of the TENSION



The power supply line has to be protected from a magneto-termic switch or from a couple of 5A fuses. A differential switch is useful if it is already available in the installation.

Connections of the MOTORS 3.2

Pay attention not invert the poles OPEN and CLOSE.

When the connection is finished, in case of doubts put manually the gate in the middle and read Paragraph 4.2 to check the right direction of the motors.



ANTENNA connections 3.3

In case of using a cable (as antenna) for the frequency 433.92mhz, you can cut at 17cm and connect it to the terminal board 1.



Connection of the STOP device 3.5

Connection of the STOP control Button: stop the control unit until a new contro. Switch: it stops the automation until a new control.



Power supply of the accessories 3.4



Connect the terminal board 13 and 14 to power the accessories.

The tension on top of the terminal boards is up of the transformer.

If the input STOP is not used, put "0" in the set up S15

Connection of the safety devices requires the use of any push-button or N.C. (normally closed) contact. When there are several safety devices, they are connected in series.

6

3.6 Connection of the COURTESY LIGHT

To activate the courtesy light function, as shown in the picture S03



Set up	Val	Description	
S 03	1	Courtesy light in the LAMP output	In the terminal board 17 and 14 tension is available up to 255s after. <i>Standard value</i> 0s
T 18		Working time Courtesy light	Can be set up from 0 to 255 s Standard value 120s

3.7 Connection of the LAMP



Put the set up S25 at 1, if you use a lamp without flashing light, o	therwi-
se put the S25 at 0 .	

Set up	Value	Description
S 25	1	Activate the Lighting
	0	Deactivate the lighting Standard

To activate the function "lamp during pause time" put S 05 at 1, to deactivate the function put S05 at 0.

Set up	Val	Description	
S 05	1	Lamp in pause time	The light is working in the pause time, too. (Standard value 0)

3.8 PRE-LIGHTING

To increase or reduce pre-lighting time, put T 15 and T 16 as follow:

Set up	Description	
T 15	Pre-lighting time when CLOSED	Set up from 0 a 10 s <i>Standard Value</i> 2 s
T 16	Pre-lighting time when the gate is OPEN	Set up from 0 a 10 s <i>Standard value</i> 2 s

3.9 Connection of a 24 light when the gate is open and when it is moving

13 (4) (15) 16 17 18	Set up	Value	Description	
	S 07	1	Fix light	The Fix light indicates the gate opens.
		0	Flashing light	The output light is flashing (standard version)

3.10 Connection of the LIMIT SWITCHES

In the picture is shown the connection of both limit switches but in this control unit you can use separately. So you can use only OPENING limit switches or only CLOSING limit switches.

To deactivate the input LIMIT SWITCHES do as shown in the table



3.11 Connection of an OPENING CONTROL / START / PARTIAL OPENING



If you use the terminal boards no.3 and no.11 it is possible to connect a TIMER to program the opening time of the gates. The contact should be normally open and it is closed for all the time the gate is open. If the connection with the opening gates is available in the terminal board no.16, connect it in parallel.

8

3.12 Connection of the PHOTO A (only closing)



3.13 Connection of the PHOTO-BEAM FOTO A (only closing) with PHOTO-TEST



The PHOTO-TEST check the right working of the gate if the photo-beams are working properly. The control unit will do a test before the gate opening.

In case the photo-beams are not working properly, the lamp will be turned on and the gate is not working.

To activate the TEST put at 1 the PHOTO A:

Set up	Value	Description
S 06	1	Activate the TEST output for INPUT TEST (Val. Default 0)
S 22	1	To activate the TEST put at 1 the PHOTO A <i>(Val. Default 0)</i>

If you don't need the PHOTO-TEST, connect the photo-beams (see Par. 3.2) and put at 0 in the function S22 and S06 (S06 should be deactivated only when other TEST are not available)

3.14 Connection of the PHOTO-B (in opening and closing)



3.15 Connection of the PHOTO-BEAM B (opening and closing) with TEST



The PHOTO-TEST check that the gate is working only if the photo-beams are working properly.

The control unit will do a general test before opening. In case the photo-beams are not working properly, the signal light will turn on for 5 seconds and the gate is not working

To activate the PHOTO-TEST put at "1" the set up of the photo-beams PHOTO-B:

Set up	Value	Description
S 06	1	Activate the TEST output for INPUT TEST (Standard Value 0)
		Activate the input TEST
S 23	1	for PHOTO-B (Standard Value 0)

If you want to go back to the function without PHOTO-TEST, connect the photo-beams as shown in the Paragraph **3.14** and put the function **S23** and **S06** at "**0**" (deactivate the **S06** only when other inputs have no TEST)

3.16 Connection of the KEY LOCK

Here you can see the connections of the electrical key lock:

WITH TRANSFORMER - Power Supply 24V - 12 Vac electrical key lock





3.17 Check of the connections

Check:

The tension in the terminal board, if all led are turned on (Normally closed), check all securities, right direction of the gate (it opens first). When the control unit is powered, the L.E.D. (inputs) are turned on when in the input the contact is closed.

The **red I.e.d.** in the inputs **CLS2 - OLS2 - CLS1 - OLS1 - PHOTOA - PHOTOB - STOP** are always **lit on**. The **green I.e.d.** in the inputs **START / PARTIAL OPENING** are always **turned off**.



4 Function and adjustment

Check the right function of the motors and the accessories as shown in the par. **4.2** and then, if you don't know the working time of the motors, program the speed (see **Par. 4.4**), obstacle detection (see **Par. 4.5**) and activation/deactivation of the inputs.

4.1 Function

Set up		Function	Description
S 01	1	Fast reverse (Standard value)	By each control it riverse: open-close
	2	Collective use	When opening and pause time it doesn't accept any control, it re-close automatically.
	3	Step-by-step function	Each control it follows each: open-stop-close-stop-open No automatic reclosing
	4	Step-by-step with automatic re-closing after pause time	By each control it follows open-stop-close-stop-open It recluses automatically after the pause time.
	5	Industrial use	The PARTIAL OPENING control has a closing function, too while START follow the logic of dip1 and dip 2
	6	Man present function	The START control opens, the PARTIAL OPENING closed. The motors stop after the button will be released.

S 02	1	Reclosing when turning off <i>(Default 0)</i>	Make a complete opening and closing cycle, only in case the tension has been broken, when the gate was open.
S 04	1	Passage control (Default 0)	When the photo-beams realize the passage, if S19 has value 0, the pause time is 2sec.
S 19	1	Riverse at the passage check <i>(Default 1)</i>	Put S04 at 1 . When the function is activated and the gate is opening, the control unit reverse the direction of the motors and close.
S 07	1	Fixed Light <i>(Default 0)</i>	The light is lit on when the gate is open.
S 09	1	Activation of soft-start (Default 0)	The motors have minimum values until the settled values.
S 10	1	ONE MOTOR function (Default 0)	If you put at 1 the S10, the control unit can synchronise the move of the motors. The working time memorization will be done only for motor no.1

4.2 Activation OF THE OUTPUTS

The control unit can activate separately the electric-lock output, lamp, Photo-test, Light, Motors, Slow down:

1	R	Press P2 and P3 until you reach R
2	↓ ↓ P1	Keep pressed the button P1 to activate the output
3	P1	Release button P1 to deactivate the output

R 02	Key lock	R 06	Mot 1 - OP	R 10	Mot 2 - OP
R 03	Lamp	R 07	Mot 1 - CL	R 11	Mot 2 - CL
R 04	Test	R 08	Mot 1 - OP - SLOW DOWN	R 12	Mot 2 - OP - SLOW DOWN
R 05	Light	R 09	Mot 1 - CL - SLOW DOWN	R 13	Mot 2 - CL - SLOW DOWN

4.3 Check the BATTERY TENSION

The control unit can check , with the display, the tension of the battery or if the battery is charged:

1	R 14	Press the P2 and P3 in the function R14
2	↓ [] P1	Keep pressed the button P1 to check the tension
3	∫ ↑ P1	Release button P1 to stop the check

SPEED and SLOW DOWN OF THE MOTOR 4.4

This operation can ad just fast the speed of the motor when opening and closing and the slow down.

Make this operation before the memorization of the working time.

Set up	Description	Values	Standard Value
L 01	Standard speed MOT1	from 1 to 10	10
L 02	Speed of slow down MOT1	from 1 to 10	5
L 03	Standard speed MOT2	from 1 to 10	10
L 04	Speed of slow down MOT2	from 1 to 10	5

Level of the MOTOR 4.5

This operation can ad just the obstacle detection.	Set up	Description	Values	Standard Value
Look on the table.	L 05	Level of obstacle detection or LS MOT1	from 1 to 10 (0 = deactivation)	5
1 = Very sensitive 5 = Medium sensitive	L 06	Level of obstacle detection o LS MOT2	from 1 to 10 (0 = deactivation)	5
10 = Low sensitive	L 07	Level of obstacle detection o LS MOT1 in case of slow downfrom	from 1 to 10 (0 = deactivation)	5
	L 08	Level of obstacle detection o LS MOT2 in case of slow downfrom	from 1 to 10 (0 = deactivation)	5

Logic of OBSTACLE DETECTION 4.6

If you use S20 you can set up the obstacle detection:

Set up	Description	Values	
S 20	Logic of obstacle detection	1	LIMIT SWITCH FUNCTION (standard function)
		2	STOP function
WARNING Use the se ⊂ase the li	et up 2 and 3 only in mit switch is available.	3	STOP function but before it reverse the move of the mo- tors for 2 seconds

5 Installation of the RADIO receiver and managing of the remote control

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. The code can be from 12 to 64 bit and for rolling code HCS, the receiver will manage only the fix part of the code and not the rolling code counter. 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.

5.1 Installation of the RADIO RECEIVER (not available in case the radio-receiver is already included)



WARNING!!! The plug-in radio receiver has to be installed in the right way

WARNING!! If the plug-in radio receiver will be taken away, make a reset of the memory (see CANCELLATION OF THE MEMORY)



5.2 CANCELLATION of the MEMORY CODE

This operation cancel all previous memorized codes. To cancel one single code see next paragraph. It is necessary to reset THE MEMORY BEFORE THE MEMORIZATION OF THE FIRST REMOTE CONTROL. The cancellation of one single code is possible when the gate is CLOSED.

To cancel the memory code, choose **C03** with button **P2** and **P3**. Then confirm the operation with **P1**. **Wait 10 seconds as indicated in the DISPLAY,** if the button **P1** will be pressed in these **10 seconds**, the operation will be cancelled.

Set up	Description
C 03	Reset of the memory code.

5.3 CANCELLATION of a SINGLE CODE

This operation cancell one single code in the memory.

Choose C04 with P2 and P3. The confirm with P1.

Press the button of the remote control. Wait in the display " CANC"

Set up	Description
C 04	Cancellation of a code

5.4 Activation of the ROLLING CODE HCS

If you choose **1** with **S08**, the control unit will accept HCS rolling code and the control unit will check the rolling code counter. The rolling code remote controls cannot be copied. If this operation is not activated, the receiver will accept only the fix part of the code.

Set up	Description	Values confirmed
S 08	Funzione HCS Completo	0 deactivated (Standard value) 1 activated

5.5 Memorization of the remote controls

This function can memorize one or more remote controls. It is sufficient that the receiver is compatible with the most branded remote controls in the market, once you memorized the first remote control, the next codes should be of the same type. If it is a 12V remote control (for example dip-switch) it will be memorized only 12 bits remote control.

START REMOTE Control

1	C 01	Press P2 and P3 on C01
2	↓ ∬ ↑ P1	Confirm the operation with P1
3	di -	When the remote control has been memorized, see SUCC on the DISPLAY.

PARTIAL OPENING

1	C 02	Press P2 and P3 on C02
2	↓∬↑ _ P1	Confirm the operation with P1
3		Press the button of the remote control. When the remote control has been memorized, see SUCC on the DISPLAY

6 MEMORIZATION and PROGRAM of the WORKING TIME

This function can fastly and easily ad just the working time to open and they can be changed as shown in the next paragraph.

6.1 WORKING time memorization

1		The gate has to be closed
2	R 01	Press P2 and P3 until you see R01
3	↓∬↑ P1	Confirm with P1 .
4	-1 2-	The gate will open and close separatelly from the motors.
5a		If the limit switches or the obstacle detection are available, the control unit will do a complete cycle.
5b	↓∬↑ P1	If the limit switches are not available, press P1.
7		If the safety will not work, repeat the operation again.

6.2 WORKING TIME MEMORIZATION with START control

To change the program of the control unit make as follow:

1	Т	Press P2 and P3 until you will find T
2	↓∬↑ P1	Press P1 to choose the set up
3	P2 P3	Press P2 and P3 to choose the value
4	↓∬↑ _ — P1	Press P1 to confirm the operation

Set up	Description		Values co	onfirmed	Default
T 01	Opening time MOT1		from 2 to	127,5 s	15 s
T 02	Closing time MOT 1		from 2 to	127,5 s	15 s
T 03	Opening time MOT2		from 2 to	127,5 s	15 s
Т 04	Closing time MOT2		from 2 to	127,5 s	15 s
T 05	Slow down when opening MOT 1 (in ad	dvance)	from 2 to	127,5 s	2 s
T 06	Alow down when opening MOT 2 (in ad	dvance)	from 2 to	127,5 s	2 s
T 07	Slow down when closing MOT1 (in a	dvance)	from 2 to	127,5 s	3 s
T 08	Slow down when closing MOT2 (in a	dvance)	from 2 to	127,5 s	3 s
T 09	Opening Desplacement		from 2 to	127,5 s	2 s
T 10	Closing Desplacement		from 2 to	127,5 s	2 s
T 11	Pause time for START		from 2 to	127,5 s	10 s
T 12	Opening time MOT1 PARTIAL OPENING time		from 2 to	127,5 s	8 s
T 13	Closing time MOT1 PARTIAL OPENING time		from 2 to	127,5 s	8 s
T 14	Pause time for PARTIAL OPENING		from 2 to	127,5 s	10 s

T 17	KEY LOCK function	from 0 to 10 s	2 s
T 19	Reversing stroke (0 for deactivation)	from 0 to 10 s	0 s
T 20	Starting of MOT1 (when starting, the obsctacle detection is not available)	from 0 to 10 s	2 s
T 21	Starting of MOT2 (when starting, the obsctacle detection is not available)	from 2 to 10 s	2 s

7 Reset of the control unit at STANDARD VALUE

The control unit can bring back the standard value (see par. 8) to reset make as follow:

1	S 18	Press P2 and P3 until S18	WARNING	!
2	↓∬↑ P1	Press P1 to confirm the operation	This opera cancel all benchmar	ition ks
3	↓ ↓ P1	To cancel the operation press P1 for 10 seconds		

8 TABLE INDICATING the FUNCTION of START S10

8.1 Set up of group "T"

SET UP	DESCRIPTION	VALUE	STANDARD VALUE	NOTE
Т 01	Opening time MOT 1	from 2 to 127,5 s	15 s	
Т 02	Closing time MOT 1	from 2 to 127,5 s	15 s	
Т 03	Opening time MOT 2	from 2 to 127,5 s	15 s	
Т 04	Closing time MOT 2	from 2 to 127,5 s	15 s	
Т 05	Opening slow down MOT 1 <i>(in advanced)</i>	from 2 to 127,5 s	2 s	
Т 06	Closing slow down MOT 2 (in advanced)	from 2 to 127,5 s	2 s	
Т 07	Opening slow down MOT1 (in advanced)	from 2 to 127,5 s	3 s	
Т 08	Closing slow down <i>(in advanced)</i>	from 2 to 127,5 s	3 s	
Т 09	Opening Displacement time	from 2 to 127,5 s	2 s	
Т 10	Closing displacement time	from 2 to 127,5 s	2 s	
T 11	Pause time for START control	from 2 to 127,5 s	10 s	
T 12	Opening time MOT 1 with PARTIAL OPENING	from 2 to 127,5 s	8 s	
Т 13	Closing time MOT1 with PARTIAL OPENING	from 2 to 127,5 s	8 s	
T 14	PAUSE TIME for PARTIAL OPENING control	from 2 to 127,5 s	10 s	
T 15	PRE-LIGHTING time when opening	from 0 to 10 s	2 s	
Т 16	PRE-LIGHTING time when open	from 0 to 10 s	2 s	
T 17	KEY LOCK	from 0 to 10 s	2 s	
T 18	COURTESY LAMP	from 2 to 127,5 s	120 s	
Т 19	Reversing Stroke (0 for deactivation)	from 0 to 10 s	0 s	
Т 20	STARTING time MOT 1	from 0 to 10 s	2 s	
T 21	STARTING time MOT 2	from 0 to 10 s	2 s	

8.2 Set up of group "L"

SET UP	DESCRIPTION	VALUE	STANDARD VALUE	NOTE
L 01	Standard speed of MOT1	from 0 to 10	10	
L 02	Reduced speed of MOT1	from 0 to 10	5	
L 03	Standard speed of MOT2	from 0 to 10	10	
L 04	Reduced speed of MOT2	from 0 to 10	5	
L 05	Obstacle detection or Limit Switch of MOT1	(0 deactivation) from 0 to 10	5	
L 06	Obstacle detection or Limit Switch of MOT2	(0 deactivation) from 0 to 10	5	
L 07	Obstacle detection or Limit Switch of MOT1 when slowing down	(0 deactivation) from 0 to 10	5	
L 08	Obstacle detection or Limit Switch of MOT2 when slowing down	(0 deactivation) from 0 to 10	5	

8.3 Set up of group "S"

SET UP	DESCRIPTION	VALUE	STANDARD VALUE	NOTE
S 01	Logic of the control unit: 1 - Fast reverse 2 - Collective use 3 - Single stable function 4 - Single stable with automatic re-closing after pause time 5 - Industrial use 6 - "Man Present" function	from 1 to 6	1	
S 02	Activation of AFTER BREAKING of the power supply	0 Off - 1 On	0	
S 03	Activation of COURTESY LIGHT on LAMP	0 Off - 1 On	0	
S 04	Activation of PASSAGES	0 Off - 1 On	0	
S 05	Activation of LAMP in PAUSE TIME	0 Off - 1 On	0	
S 06	Activation of TEST OUTPUT for test of the inputs (in off INTERLOCK)	0 Off - 1 On	0	
S 07	Activation of FIXED LIGHT	0 Off - 1 On	0	
S 08	Activation of ROLLING CODE HCS function	0 Off - 1 On	0	
S 09	Activation of SOFT START	0 Off - 1 On	0	
S 10	Activation of SINGLE MOTOR FUNCTION	0 Off - 1 On	0	
S 11	Activation of Input in Opening Limit Switch 1	0 Off - 1 On	1	
S 12	Activation of input Closing Limit Switch 1	0 Off - 1 On	1	
S 13	Activation of Input in Opening Limit Switch 2	0 Off - 1 On	1	
S 14	Activation of input Closing Limit Switch 2	0 Off - 1 On	1	
S 15	Activation of input STOP	0 Off - 1 On	1	
S 16	Activation of input PHOTO	0 Off - 1 On	1	
S 17	Activation of input PHOTO-STOP	0 Off - 1 On	1	
S 18	RESET of the set up values and brign back to the standard value			
S 19	ctivation of the REVERSE in case of PASSAGE bearing (S 04 = 1)	0 Off - 1 On	1	
S 20	Logic of the Obstacle Detection:	from 1 to 3	1	
	 Function as limit switch Function as STOP Function as REVERSE and then STOP 			
S 21	Select tension 0=12; 1=24V	0 12V - 1 24V	0	
S 22	Check TEST in the input CLOSING PHOTO-BEAMS	0 Off - 1 On	0	
S 23	Check on Photo-Test when CLOSING/OPENING	0 Off - 1 On	0	
S 24	Check on TEST in the input STOP	0 Off - 1 On	0	

8.3 Set up of group "C"

SET UP N°	DESCRIPTION
C 01	Memorization of the TX for START control
C 02	Memorization of the TX for START control
C 03	RESET of the MEMORY
C 04	CANCELLATION of a SINGLE CODE

8.4 Set up of group "R"

SET UP N°	DESCRIPTION
R 01	MEMORIZATION of the WORKING TIME of the motors
R 02	Activate the KEY LOCK until you press P1
R 03	Activate SIGNAL LIGHT until you release P1
R 04	Activate TEST until you release P1
R 05	Activate LIGHT until you release P1
R 06	Activate OPEN MOT1 until you release P1
R 07	Activate OPEN MOT1 until you release P1
R 08	Activate OPEN MOT1 when slowing down until you release P1
R 09	Activate CLOSE MOT1 when slowing down until you release P1
R 10	Activate OPEN MOT2 until you release P1
R 11	Activate CLOSE MOT2 until you release P1
R 12	Activate OPEN MOT 2 until you release P1
R 13	Activate CLOSE MOT2 until you release P1
R 14	Check the tension of the battery until you release P1

9 Declaration of CE conformity

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

The undersigned Ernestino Bandera, Administrator

DECLARES THAT:

Company: Adress:

EB TECHNOLOGY SRL

Corso Sempione 172/5 21052 Busto Arsizio VA Italy START-S10 12/24V control unit

Product's name:

with what is outlined in the European Community directive: THE PRODUCT COMPLIES EC DIRECTIVE 2006/42 ISSUED BY THE EUROPEAN PARLIAMENT AND 2006/42/CE COUNCIL on June 22, 1998 harmonizing the legislation of the member countries regarding machinery.

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

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h what is outlined in the following European Community ectives, as modified by EEC Directive 93/68 issued by the ROPEAN COUNCIL on July 22, 1993
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2006/95/CE	EEC DIRECTIVE 2006/95 ISSUED BY THE EUROPEAN COUNCIL on December 22, 2006 harmonizing the legislation of the member countries regarding electric materials for use within certain voltage limits

Reference to harmonized standards: EN 60335-1

electromagnetic compatibility.		2004/108/CE	EEC DIRECTIVE 89/336 ISSUED BY THE EUROPEAN COUNCIL on December 15, 2004, harmonizing the legislation of the member countries regarding electromagnetic compatibility.
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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.

EB TECHNOLOGY S.r.I.

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via Cesare Cantù 26, 20020 Villa Cortese MI Italy tel. +39 0331.430457 fax.+39 0331.432496

info@nologo.info www.nologo.info

Dairago, li 1 ottobre 2010 The Administrator **Ernestino Bandera**



DICHIARAZIONE DI CONFORMITA'	DECLARATION OF CONFORMITY	DÉCLARATION DE CONFORMITÉ
Il sottoscritto, rappresentante il seguente cos- truttore, dichiara che l'apparecchio denomi- nato	The undersigned, representative of the fol- lowing manifacturer, hereby certifies that the equipment known as	Le soussigné, représentant du constructeur suivant certifie que les appareils ci-dessus référencés
START-S10	START-S10	START-S10
risulta conforme a tutte le norme tecniche relative al prodotto entro il campo di applica- bilità delle Direttive Comunitarie 2006/95/CE 99/5/CE e 2004/108/CE Sono state eseguite tutte le necessarie prove di radiofrequenza	complies with all technical requirements concerning this product within the domain of application of the EC Directives 2006/95/CE, 99/5/CE and 2004/108/CE All necessary radiofrequency tests have been performed	sont conformes à toutes les normes tech- niques relativement au produit dans le domaine d'application des Directives Eu- ropéennes 2006/95/CE, 99/5/CE et 2004/108/CE Toutes les essais de radiofréquence néces- saires ont été effectués
EB TECHNOLOGY SRL	EB TECHNOLOGY SRL	
Corso Sempione 172/5	Corso Sempione 172/5	EB TECHNOLOGY SRL
21052 Busto Arsizio (Va)	21052 Busto Arsizio (Va)	Corso Sempione 172/5
Italia	Italia	21052 Busto Arsizio (Va)
		Italia
Questa dichiarazione viene emessa sotto la sola responsabilità del costruttore e, se appli- cabile, del suo rappresentante autorizzato.	This declaration is rendered under the man- ifactu-rer's sole responsability, and if appli- cable, under responsability of his authorized representative.	Cette déclaration est présentée sous la seule responsabilié du constructeur et, si applica- ble, de son représentant autorisé.
Busto Arsizio (Va) - Italia, 01/10/2010	Busto Arsizio (Va) - Italia, 01/10/2010	Busto Arsizio (Va) - Italia, 01/10/2010
ERNESTINO BANDERA Amministratore	ERNESTINO BANDERA Administrator	ERNESTINO BANDERA Administrateur
KONFORMITÄTSZERTIFIKAT	DECLARACIÓN DE CONFORMIDAD	DECLARAÇÃO DE CONFORMIDADE
Der Unterzeichner bescheinigt, dass das Produkt	El abajo firmante, representante el fabricante siguiente, declara que el equipo denominado	O abaixo-assinado, represendo o seguinte construtor declara que o aparelho denomi- nado
START-S10	START-S10	START-S10
allen technischen Produktegesetzen, laut den Europäische Gesetzen 2006/95/CE, 99/5/CE e 2004/108/CE, entspricht. Alle Radiofrequenzprüfungen haben bei der	es conforme con todas las normas técnicas correspondientes al producto en el campo de aplicación de las Directivas Comunitarias 2006/95/CE, 99/5/CE y 2004/108/CE	é conforme a todas as normas técnicas relativas ao produto dentro o campo de aplicabilidade das Diretivas Comunitarias 2006/95/CE, 89/336/CEE e 99/5/CE
nachstehenden Firma stattgefunden: EB TECHNOLOGY SRL	Han sido realizadas todas las necesarias pruebas de radiofrequencia.	Foram executadas todas as necessárias pro- vas de rádio frequência.
Corso Sempione 172/5	EB TECHNOLOGY SRL	
21052 Busto Arsizio (Va)	Corso Sempione 172/5	Coreo Sompiono 172/5
Italia	21052 Busto Arsizio (Va)	21052 Busto Arcisio (Vo)
	Italia	LIVOZ DUSLO ALSIZIO (Va)
Diese Bescheinigung wird unter der alleinigen Verantwortung des Herstellers ausgestellt und dort woanwenbar, auch unter der des be- fugten Vertreters.	Esta declaración se expide bajo la exclusiva responsabilidad del fabricante y, si de apli- cación, de su representante autorizado.	Esta declaração verm emitida somente com a responsabilidade do construtor e, se aplicáv- el, do seu representante autorizado.
Busto Arsizio (Va) - Italia, 01/10/2010	Busto Arsizio (Va) - Italia, 01/10/2010	
FRNESTINO BANDERA	FRNESTINO RANDERA	Busto Arsizio (Va) - Italia, 01/10/2010
Verwalter	Administrador	ERNESTINO BANDERA Administrador
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