

Handleiding aansluiten Quiko print, codeclaviers, videofoons, extra sensoren ed.

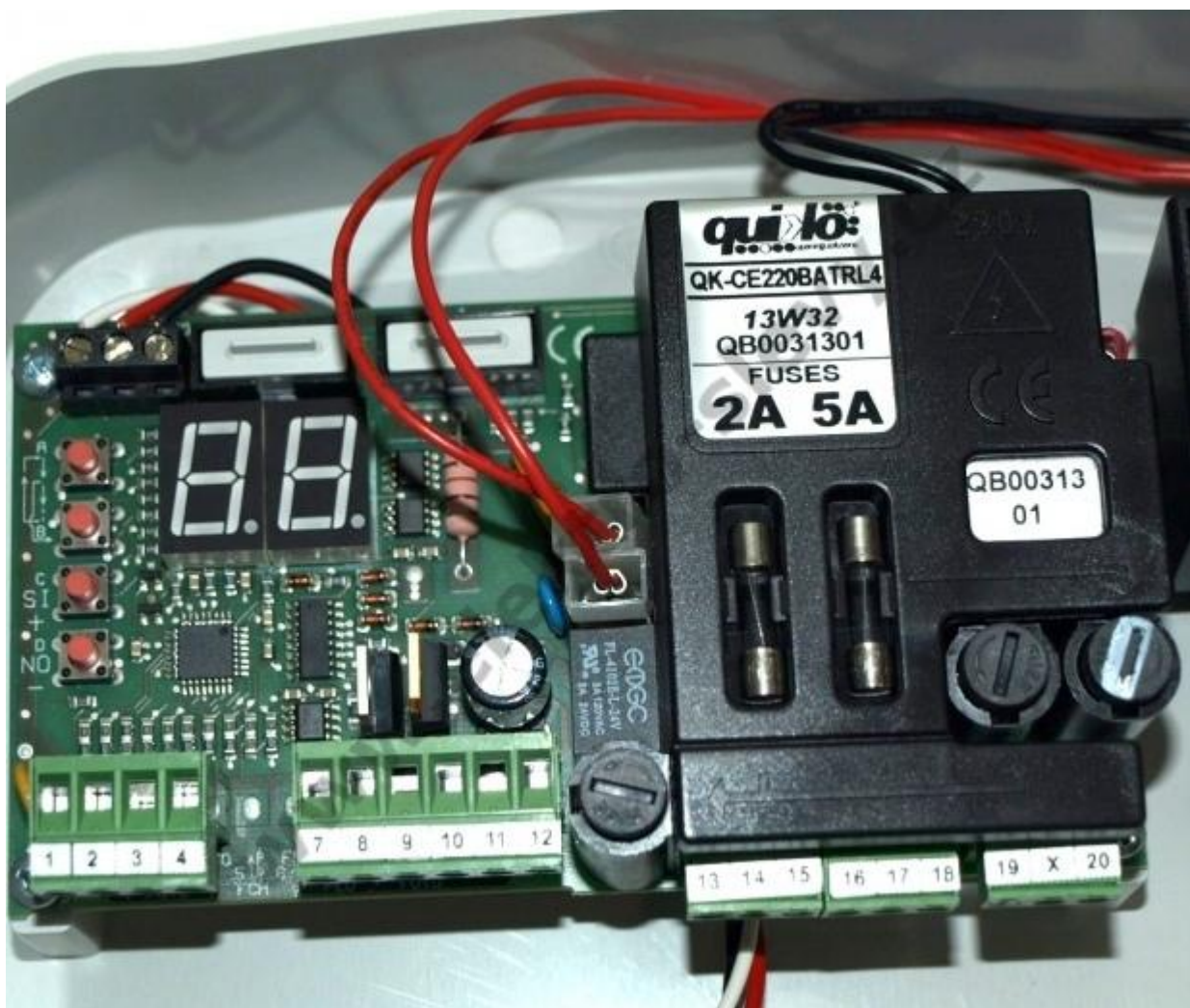
QK-CE220BATRL4

433,92 MHz

230V

**PLUG &
PLAY**

CONTROL BOARD FOR 1/2 230V ac SINGLE-PHASE MOTORS



qui:lo complete set



qui:lo complete set



qui:lo complete set



Als Eerste doen nadat alles aangesloten is:

1. Zenders inleren:

Knop A veelvuldig indrukken totdat r1 op display staat, dan wachten totdat er =.- op de display staat.

Dan op knop C drukken en tegelijk drukken op de knop van de zender, voor 2 seconden. Dan beide knoppen loslaten.

Display laat opgeslagen zender zien.

2. Quiko Poort-vleugels inleren: (courtesy functie= snelle manier)

Op deze manier leert de print zichzelf in.

Sluit de poort manueel tegen de midden-aanslag en vergrendel de motoren.

Dan druk 1x op knop B display=P2

Wacht totdat er -.- op de display staat.

Geef een startpuls op de zender, de eerste vleugel opent, bijna open, dan nog een startpuls, de motor vertraagd, laat de vleugel tegen de open-aanslag lopen en wacht 1 of 2 seconden, dan nog een startpuls, motor 2 opent...enz.

Herhaal dit totdat uw poort mooi sluit en opent.

3. Indien nodig: Automatisch sluiten uit zetten:

F0=ST, of knop 3 indrukken of ingedrukt houden tot er ST staat.

Beide vleugels tegelijk open en dicht=B4=0 en A4=0

Videfoon met poort open knop, dan: dan F6=SI

F6	NO (OFF)	SI (ON)	NO (OFF)	Community mode
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Start Commands Functionality	STANDARD SETTING F6 = NO and F5 = NO	COMMUNITY MODE F6 = SI	STEP-BY-STEP SETTING F6 = NO and F5 = SI
F5	<i>During the opening:</i> The start commands stop the opening.	<i>During the opening:</i> The start commands don't have any effect.	<i>During the opening:</i> The start commands stop the gate.
F6	<i>During the closing:</i> The start commands stop the closing and begin the opening.	<i>During the closing:</i> The start commands stop the closing and begin the opening.	<i>During the closing:</i> The start commands stop the gate.

Online Manual:

<https://www.quiko-poortopeners.com/c-3957685/manuals/>

Codeclavier kijzer-S209 en Jettons

Codeclavier kijzer-S209 0-12v en 0-24v gelijkspanning.

Rood=plus (let op: oranje en rood= bijna hetzelfde)

Zwart=Min

paars en blauw=Schakelcontact (1-2 van Quiko print)

Codeclavier programmeren= **master=* 6 maal 9 #**

*** 999999 # 1 1111 # nieuwe 4 cijferige code #***

rode lamp knippert=klaar

Relais tijd

*** 999999 # 4 02 ##***

rode lamp knippert=klaar puls=2 seconde.

Code 4 cijfers behalve 1234

Uw code= #

Nieuwe extra code=

*** 999999 # 1 1112 # nieuwe 4 cijferige code #***

rode lamp knippert=klaar

Nieuwe extra code=

*** 999999 # 1 1113 # nieuwe 4 cijferige code #***

rode lamp knippert=klaar

geheugen leeg maken voor heel veel jettons inleren *999999#2 0000 #* jettonnummer begint dan bij 0001, jettons met stift nummeren 0001, 0002 enz en in deze volgorde inleren.

Let op. Na inleren, NOOIT #2 0000 intoetsen.=ALLES wissen.

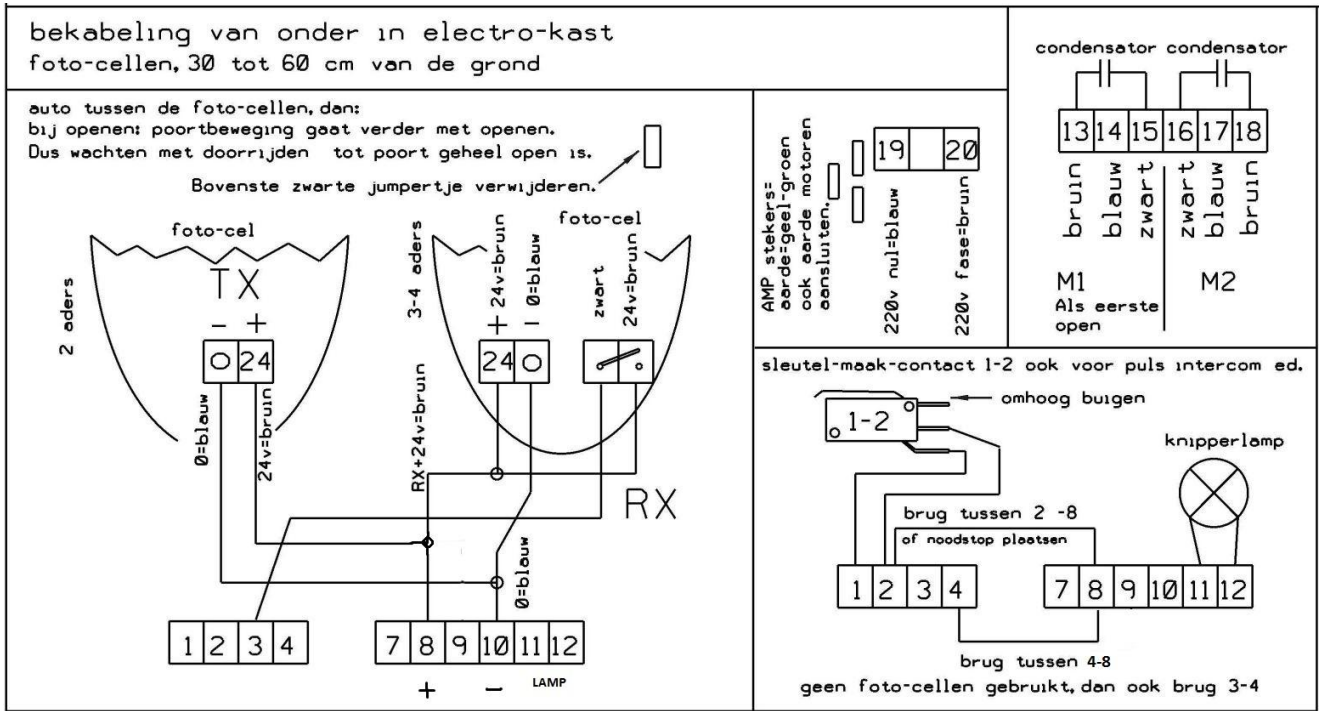
jettons programmeren :

*** 999999 # 1** en dan jettons een voor een voor het clavier houden **#***

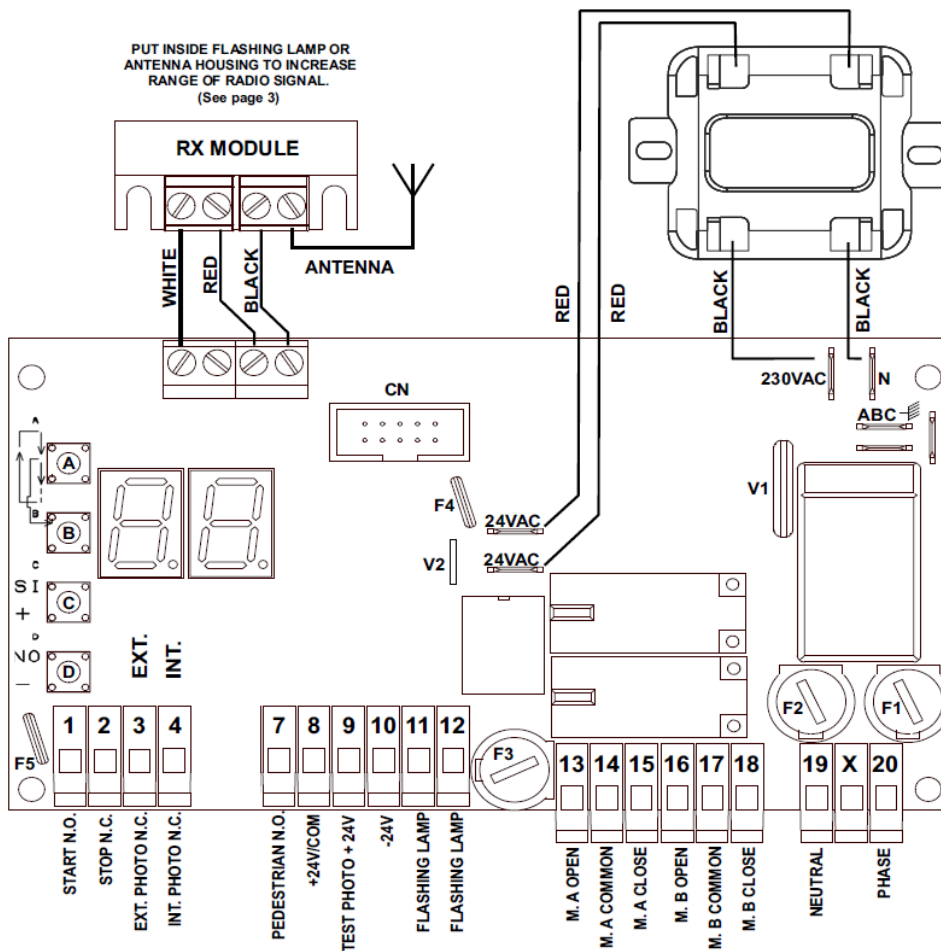
jetton verwijderen : let op. Bij verkeerde nummers intoetsen kunnen alle nummers gewist worden.

*** 999999 # 2** jettonnummer bijv 0001 **#*** Of jetton voor het clavier houden

Belangrijk: Op de sensoren kijken wat de plus en wat de min is, dit kan verschillen per sensor.



BOARD LAYOUT



BOARD'S COMPONENTS

A	Button A
B	Button B
C	Button C
D	Button D
F1	250 VAC power fuse 5A
F2	Motor B protection fuse 2A
F3	Motor A protection fuse 2A
F4	Resettable fuse 24V 1.6A
F5	Resettable fuse 24V 0.6A
A B C	Ground terminals
CN	Electric-lock socket
V1	Primary varistor
V2	Secondary varistor
1 to 20	Terminal block pins

IMPORTANT

RESETTABLE FUSE

AFTER A SHORT-CIRCUIT:

- TURN OFF THE CONTROL BOARD.
- REMOVE THE SHORT-CIRCUIT.
- WAIT FOR 60 SECONDS OR MORE.
- TURN ON THE CONTROL BOARD.



F4/F5

Quiko. attributen aansluiten.

Codeclavier easy BKA Rood=plus naar **8** (let op: oranje en rood= bijna hetzelfde)


Zwart=Min naar **10**

Paars en Grijs=**1** en **2**..Schakelcontact

Codeclavier programmeren= ## 1234 ... 1... (nieuwe 4 cijferige code) ...3xpiep=klaar

(Blauw en geel=1-2= 2^e relais=##1234....2... nieuwe 4 cijferige code ...3xpiep=klaar)

Intercom, videofoon...poort open / sluiten ..ook over **1** en **2**

	<p>Programmeren universele zender... knopjes van boven naar beneden A,B,C,D</p>
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Eerst altijd de bestaande fabrieks code wissen:


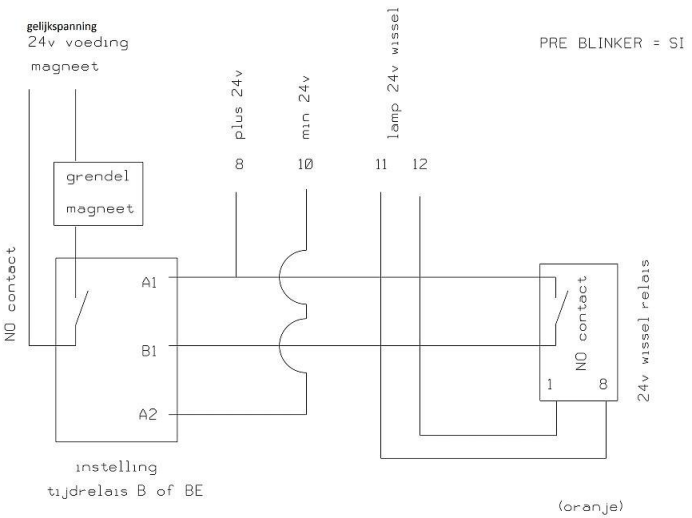
Knop A en B tegelijk indrukken totdat LED 3x knippert.

Knop A ingedrukt houden en B loslaten, meteen 3x op B drukken..LED knippert 3x

Nieuwe zender inleren:

Beide zenders dicht bij elkaar houden...bij beide zenders de knopjes indrukken.

LED gaat knipperen, ingedrukt houden totdat LED niet meer knippert.

<p>K6-7. Videofoon</p> <p>Aansluitschema voor één slot:</p>  <p>1-2 van Quiko print (let op: brugje verwijderen)</p>	<p>Electroslot en tijdrelais= lamp op –pre blinken</p>  <p>PRE BLINKER = SI</p> <p>(oranje)</p>
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Code programmeren: 1234# 20# (4cijfers nieuwe code)# (sterretje) *

20# t/m 59#=slot1 60# t/m 99#=slot2

(Relaistijd: 1234# 03# 02# * tijd=2seconden) bij Quiko niet nodig

Quiko Manual:

INPUTS CONNECTION

PHOTOCELLS	24V DC		TYPE	PINS	ENABLE/DISABLE PARAMETERS
	+	-			
EXTERNAL PHOTOCELLS TX	8	10	N.C	X X	E 3
EXTERNAL PHOTOCELLS RX	8	10		3 8	
INTERNAL PHOTOCELLS TX	8	10	N.C	X X	E 4
INTERNAL PHOTOCELLS RX	8	10		4 8	

OTHERS INPUT	TYPE	PINS	ENABLE/DISABLE PARAMETERS
START OPEN ONLY - CLOSE ONLY	N.O	1 8	E 1
PEDESTRIAN START OPEN ONLY - CLOSE ONLY	N.O	7 8	E 7
STOP	N.C	2 8	E 2

230 VAC POWER SUPPLY PINS
19 20

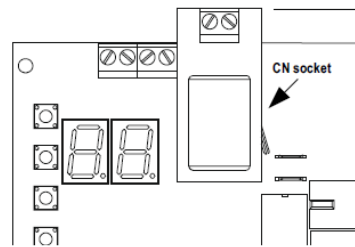
OUTPUTS CONNECTION

MOTORS	OPEN PIN	COMMON PIN	CLOSE PIN
Motor A	13	14	15
Motor B	16	17	18

24V FLASHING LAMP (20W) PINS
11 12

24V DC (150mA) PINS
8 (+) 10 (-)

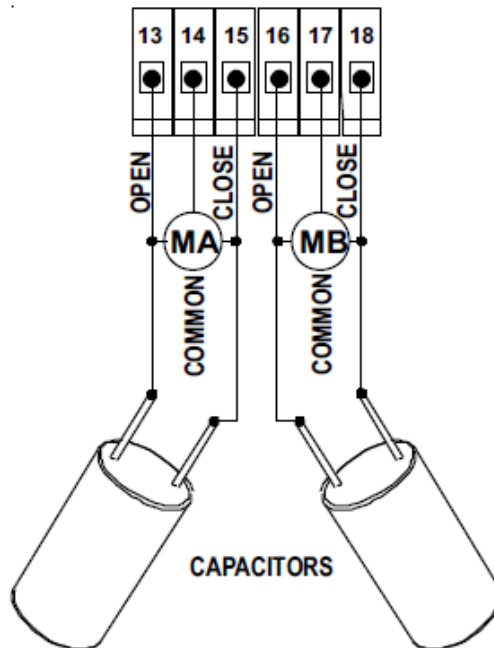
12V ELECTRIC-LOCK



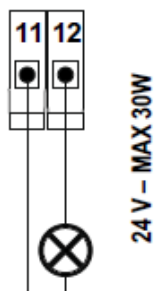
If electric-lock module is installed set L0 to S1

MOTORS

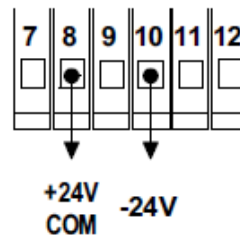
13=bruin 14=blauw 15=zwart 16=zwart 17=blauw 18=bruin



FLASHING LAMP



24V DC - 150mA



Radio Functions			
Display	Display	<input type="checkbox"/> C Button	Description
r 0	1...2...	Delete	To erase a code: Hold down <input type="checkbox"/> C button on the selected code until the display turns off <input type="checkbox"/>
r 1	= -	Save	To save a remote key: Hold down a remote key. When the display shows <input type="checkbox"/> <input type="checkbox"/> , push down <input type="checkbox"/> C button on the control board. r 1 → Start r 2 → Stop r 3 → Pedestrian start r 4 → Fast closure start
r 2	= -	Save	
r 3	= -	Save	
r 4	= -	Save	
r 5	n o	Delete	To erase all codes: Hold down <input type="checkbox"/> C button until display stops flashing <input type="checkbox"/> <input type="checkbox"/>

Terminal Block Setting				
Display	Default	<input type="checkbox"/> C Button	<input type="checkbox"/> D Button	Description
E 1	GO	↑	↓	<input type="checkbox"/> <input type="checkbox"/> = disables input function <input type="checkbox"/> <input type="checkbox"/> = enables input with start function <input type="checkbox"/> <input type="checkbox"/> = enables input with open only function <input type="checkbox"/> <input type="checkbox"/> = enables input with close only function
E 2	SI (ENABLED)	SI (ENABLED)	NO (DISABLED)	Enable <input type="checkbox"/> <input type="checkbox"/> or disable <input type="checkbox"/> <input type="checkbox"/> the stop input terminal block
E 3	SI (ENABLED)	SI (ENABLED)	NO (DISABLED)	Enable <input type="checkbox"/> <input type="checkbox"/> or disable <input type="checkbox"/> <input type="checkbox"/> the external photocell input terminal block
E 4	SI (ENABLED)	SI (ENABLED)	NO (DISABLED)	Enable <input type="checkbox"/> <input type="checkbox"/> or disable <input type="checkbox"/> <input type="checkbox"/> the internal photocell input terminal block
E 7	PE	↑	↓	<input type="checkbox"/> <input type="checkbox"/> = disables input function <input type="checkbox"/> <input type="checkbox"/> = enables input with pedestrian function <input type="checkbox"/> <input type="checkbox"/> = enables input with open only function <input type="checkbox"/> <input type="checkbox"/> = enables input with close only function

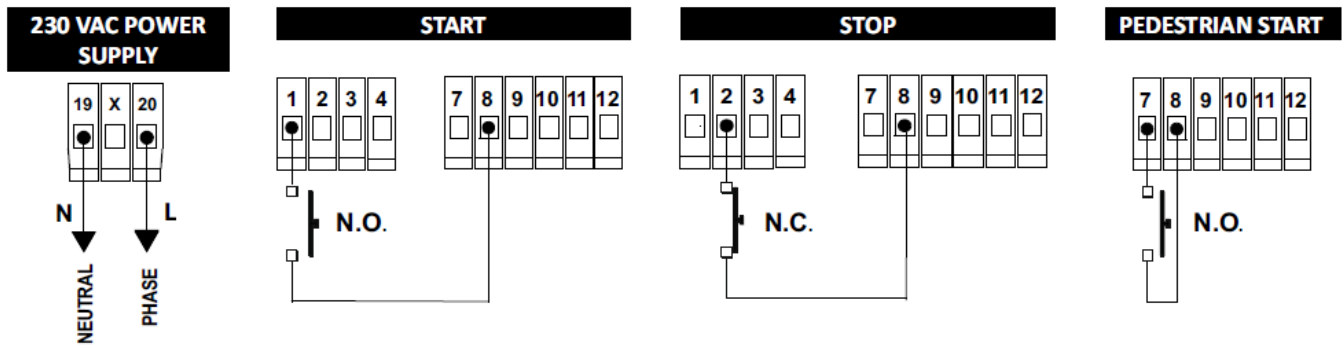
Courtesy Functions			
Display	Display	<input type="checkbox"/> C Button	Description
d 0	n o	Set Up	To restore default setting hold down <input type="checkbox"/> C button until display shows <input type="checkbox"/> <input type="checkbox"/>
P 1	- -	X	Not Used
P 2	- -	X	When a start command is received the control board starts an automatic procedure to acquire the gate working times.

Display Report		
S t		Stop
F H		External photocell + Internal photocell
t c		External photocell
t A		Internal photocell
O P		Open only
C L		Close only
I H		Not Used
F A		Not Used
F c		Not Used
- -		Remote key is pressed
l t		Photocells test error
7 A		Motor A has detected an obstacle
8 A		Not Used
9 A		Motor A is in thermal protection state
7 b		Motor B has detected an obstacle
8 b		Not Used
9 b		Motor B is in thermal protection state
F F		The radio memory is full

Display	Default	Min	Max	Description
F 0	10 sec	0 sec	99 sec	Pause time. To disable hold down <input checked="" type="checkbox"/> C button until display shows S E
F 1	---	---	---	Not Used
F 2	0 sec	0 sec	1.0 sec	Kick back function during closing. It can be useful when an electric-lock is installed.
F 3	0 sec	0.0 sec	5.0 sec	Pre-blinking time
Display	Default	<input checked="" type="checkbox"/> C Button	<input checked="" type="checkbox"/> D Button	Description
F 4	NO (OFF)	SI (ON)	NO (OFF)	Kick back function during opening. It can be useful when an electric-lock is installed.
F 5	NO (OFF)	SI (ON)	NO (OFF)	Step-by-step function
F 6	NO (OFF)	SI (ON)	NO (OFF)	Community mode
F 7	NO (OFF)	SI (ON)	NO (OFF)	Fast closure function
F 8	SI	SI	NO	Photocells logic: S I → Standard logic n o → Reverse logic
F 9	---	---	---	Not Used
L 0	NO (OFF)	SI (ON)	NO (OFF)	Electric-lock
E 1	NO (OFF)	SI (ON)	NO (OFF)	Photocells test
E 2	SI (ON)	SI (ON)	NO (OFF)	Motors thermal protection test

BUTTONS

- A** → Scrolls menu from **R 1** to **P 2**
- B** → Scrolls menu from **P 2** to **R 1**
- C** → Increases value or set **S I**
S I means: ON or ENABLED.
- D** → Decreases value or set **n o**
n o means: OFF or DISABLED.



	INTERNAL PHOTOCELL	EXTERNAL PHOTOCELL
PHOTOCELLS RECEIVER		
(4.A) PHOTOCELLS TRANSMITTER WITHOUT PHOTO TEST FUNCTION		
(4.B) PHOTOCELLS TRANSMITTER WITH PHOTO TEST FUNCTION		
(4.C) DISABLED BY HARDWARE		
(4.D) DISABLED BY SOFTWARE	Set E4 to n0	Set E3 to n0

The parameter **E1** enables (**51**) or disables (**n0**) the test of photocells. Settings **(4.A)** and **(4.C)** require **E1** settled to **n0**.

Poort=gesloten, dan motor A de vleugel welke het eerste opent.

Display	Default	Min	Max	Description
A 1	14 sec	00 sec	99 sec	Standard working time
A 2	7 sec	00 sec	99 sec	Slowdown working time
A 3	0.8 sec	0.1 sec	1.5 sec	Start up time (cue time)
A 4	6 sec	0 sec	99 sec	Displacement time on closure
A 5	6	1	10	Standard force
A 6	8	1	10	Slowdown force
A 7	NO (DISABLED)	0	99 - NO	Standard obstacle detection threshold. During opening, for standard working time, the display shows motor A stress.
A 8	NO (DISABLED)	0	99 - NO	Slowdown obstacle detection threshold. During opening, for slowdown working time, the display shows motor A stress.

Motor B Setting

Display	Default	Min	Max	Description
b 1	14 sec	00 sec	99 sec	Standard working time
b 2	7 sec	00 sec	99 sec	Slowdown working time
b 3	0.8 sec	0.1 sec	1.5 sec	Start up time (cue time)
b 4	3 sec	0 sec	99 sec	Displacement time on opening
b 5	6	1	10	Standard force
b 6	8	1	10	Slowdown force
b 7	NO (DISABLED)	0	99 - NO	Standard obstacle detection threshold. During closing, for standard working time, the display shows motor B stress.
b 8	NO (DISABLED)	0	99 - NO	Slowdown obstacle detection threshold. During closing, for slowdown working time, the display shows motor B stress.

GLOSSARY



Stand By	The gate is completely closed and the safety devices are not activated. The control board is ready to start a working cycle. In this state the flashing lamp is off.							
Opening	The gate is opening and the flashing lamp blinks quickly.							
Pause	When the opening is finished the motors are stopped and the flashing lamp is on. After pause time has expired (F10) the gate starts closing.							
Closing	The gate is closing and the flashing lamp blinks slowly.							
Stop Opening	The gate has been stopped while it was opening. A new start command begins the closing phase. In this state the flashing lamp is off.							
Stop Closing	The gate has been stopped while it was closing. A new start command begins the opening phase. In this state the flashing lamp is off.							
Type Of Inputs	The input can be an external input or a remote key. The external inputs are all objects that can be wired to the terminal block of the control board. Each pin of the terminal block is associated to a specific function. The safety functions match the normally closed contacts. The other functions match the normally open contacts. The safety functions are: stop, internal photocell, external photocells. While the others are: start (or fast closure start) and pedestrian start. The pin of terminal block can be enabled or disabled by programming parameters E1 , E2 , E3 , E4 , E7 . The remote key inputs are all functions linked to a remote key. They are: start, stop, pedestrian start and fast closure start. The control board doesn't distinguish between the type of input but only between the functions.							
Input Is Activated	An input is activated when its state changes from the standard state. For example a photocell is activated until the beam from the transmitter to the receiver is interrupted, while a generic switch, push-button or remote key is activated until it is pushed down. All these actions are recognized by the control board which shows these changes on the display. When more inputs are activated at the same time the control board will show only the most critical input. The order from the most critical to the least critical input is: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">S1 = stop</td> <td style="padding: 2px;">E1 = external photocell</td> <td style="padding: 2px;">E2 = internal photocell</td> <td style="padding: 2px;">OP = Open only</td> <td style="padding: 2px;">CL = Close only</td> <td style="padding: 2px;">CS = start or fast closure start</td> <td style="padding: 2px;">PE = pedestrian start</td> </tr> </table>	S1 = stop	E1 = external photocell	E2 = internal photocell	OP = Open only	CL = Close only	CS = start or fast closure start	PE = pedestrian start
S1 = stop	E1 = external photocell	E2 = internal photocell	OP = Open only	CL = Close only	CS = start or fast closure start	PE = pedestrian start		
Start Commands	The start commands are: start, pedestrian start and fast closure start. They are able to start a working cycle. The function of start commands depend on F5 and F6 parameters programming. To know more see F5 and F6 description. To know how the fast closure start command works see F7 description. To know how the start command works see Standard Working Cycle. To know how the pedestrian start command works see Pedestrian Working Cycle.							
Safety Commands	The safety commands are: stop, internal photocell and external photocell. The stop commands always stop the gate. Instead the functions of photocells depend on F8 parameter programming. To know more see F8 description.							
Standard Working Cycle	A start command has been received when the control board was in stand by state. Motor A starts opening before Motor B . b4 seconds later, Motor B starts opening. After the pause, Motor B starts closing. R4 seconds later, Motor A starts closing. When a standard working cycle is in progress, the pedestrian start commands are considered as a start. The working cycle is finished when the control board returns to stand by state. This functionality can be handled by parameters programming.							
Pedestrian Working Cycle	A pedestrian start command has been received when the control board was in stand by state. Motor A works normally while Motor B stays off. When a pedestrian working cycle is in progress, the start commands are considered as a pedestrian start. The working cycle is finished when the control board returns to stand by state.							

MOTOR A SETTING



Standard Working Time	Motor A opens before motor B. Motor A works for $\boxed{R1}$ seconds. After this time motor A starts the slowdown for $\boxed{R2}$ seconds. This is for both phases: opening and closing. $\boxed{R1}$ is settable from 00 to 99 seconds.
$\boxed{R1}$	
Slowdown Working Time	$\boxed{R2}$ is settable from 00 to 99 seconds.
$\boxed{R2}$	
Start Up Time (Cue time)	$\boxed{R3}$ is the start up time of motor A. During this time the force of the motor increases constantly until it reaches the maximum power and the obstacle detection sensor is disabled. Each time the motor starts, the first $\boxed{R3}$ seconds are the start up time. $\boxed{R3}$ is settable from 0.1 to 1.5 seconds.
$\boxed{R3}$	
Displacement Time On Closure	Motor B begins closing $\boxed{R4}$ seconds before motor A. This parameter is useful to avoid leaf overlap during the closing. $\boxed{R4}$ is settable from 00 to 99 seconds.
$\boxed{R4}$	
Standard Force	$\boxed{R5}$ is the force of motor A during the standard working time $\boxed{R1}$. $\boxed{R5}$ is settable from 00 to 10
$\boxed{R5}$	
Slowdown Force	$\boxed{R6}$ is the force of motor A during the slowdown working time $\boxed{R2}$. $\boxed{R6}$ is settable from 00 to 10
$\boxed{R6}$	
Standard Obstacle Detection Threshold	This parameter will have effect during standard working time $\boxed{R1}$. If the control board detects a motor stress higher than $\boxed{R7}$, it means that there is an obstacle in the way of the gate. The control board will make a decision in accordance with its programming: <ul style="list-style-type: none"> • If $\boxed{R8} \neq \boxed{n0}$ and $\boxed{R2} \neq \boxed{00}$ the motors reverse. If the direction was closure, the gate opens completely. If the direction was opening, the gate closes for 2 seconds. After this time, it stops. A start command will restart the closing. This functionality is active once per working cycle. For additional times during the cycle motor A will stop while motor B will continue to work. • If $\boxed{R8} = \boxed{n0}$ or $\boxed{R2} = \boxed{00}$ the control board stops motor A while motor B continues to work. During the opening, for standard working time, the control board display shows motor A stress. You can use this value as a feedback value. 00 is the minimum and 99 is the maximum. The maximum value can be lower than 99. It depends on the motor. To disable the standard obstacle detection function set $\boxed{R7} = \boxed{n0}$. To set $\boxed{n0}$ hold down or keep pressing button C until the display shows $\boxed{n0}$. $\boxed{R7}$ is settable from 00 to 99 . After 99 the control board display shows $\boxed{n0}$.
$\boxed{R7}$	
Slowdown Obstacle Detection Threshold	This parameter will have effect during the motor A slowdown working time $\boxed{R2}$. If the control board detects a motor stress higher than $\boxed{R8}$, it means that there is an obstacle in the way of the gate : <ul style="list-style-type: none"> • The control board stops motor A while motor B continues to work . During the opening, for slowdown working time, the control board display shows motor A stress. You can use this value as a feedback value. 00 is the minimum and 99 is the maximum. The maximum value can be lower than 99. It depends on the motor. To disable the slowdown obstacle detection function set $\boxed{R8} = \boxed{n0}$. To set $\boxed{n0}$ hold down or keep pressing button C until the display shows $\boxed{n0}$. $\boxed{R8}$ is settable from 00 to 99 . After 99 the control board display shows $\boxed{n0}$.
$\boxed{R8}$	

MOTOR B SETTING



Standard Working Time b1	Motor B opens after motor A. Motor B works for b1 seconds. After this time motor B starts the slowdown for b2 seconds. This is for both phases: opening and closing. b1 is settable from 00 to 99 seconds.
Slowdown Working Time b2	b2 is settable from 00 to 99 seconds.
Start Up Time (Cue time) b3	b3 is the start up time of motor B. During this time the force of the motor increases constantly until it reaches the maximum power and the obstacle detection sensor is disabled. Each time the motor starts, the first b3 seconds are the start up time. b3 is settable from 0.1 to 1.5 seconds.
Displacement time on opening b4	Motor A begins opening b4 seconds before motor B. This parameter is useful to avoid leaf overlap during the closing. b4 is settable from 00 to 99 seconds.
Standard Force b5	b5 is the force of motor B during the standard working time b1 . b5 is settable from 00 to 10
Slowdown Force b6	b6 is the force of motor B during the slowdown working time b2 . b6 is settable from 00 to 10
Standard Obstacle Detection Threshold b7	<p>This parameter will have effect during standard working time b1. If the control board detects a motor stress higher than b7, it means that there is an obstacle in the way of the gate. The control board will make a decision in accordance with its programming:</p> <ul style="list-style-type: none"> If b8 ≠ 00 and b2 ≠ 00 the motors reverse. If the direction was closure, the gate opens completely. If the direction was opening, the gate closes for 2 seconds. After this time, it stops. A start command will restart the closing. This functionality is active once per working cycle. For additional times during the cycle motor B will stop while motor A will work continue to work. If b8 = 00 or b2 = 00 then the control board stops motor B while motor A continues to work. <p>During the closing, for standard working time, the control board display shows motor B stress. You can use this value as a feedback value. 00 is the minimum and 99 is the maximum. The maximum value can be lower than 99. It depends on the motor. To disable the standard obstacle detection function set b7 = 00. To set 00 hold down or keep pressing button C until the display shows 00. b7 is settable from 00 to 99. After 99 the control board display shows 00.</p>
Slowdown Obstacle Detection Threshold b8	<p>This parameter will have effect during the motor B slowdown working time b2. If the control board detects a motor stress higher than b8, it means that there is an obstacle in the way of the gate:</p> <ul style="list-style-type: none"> The control board stops motor B while motor A continues to work. <p>During the closing, for slowdown working time, the control board display shows motor B stress. You can use this value as a feedback value. 00 is the minimum and 99 is the maximum. The maximum value can be lower than 99. It depends on the motor. To disable the slowdown obstacle detection function set b8 = 00. To set 00 hold down or keep pressing button C until the display shows 00. b8 is settable from 00 to 99. After 99 the control board display shows 00.</p>

GENERAL FUNCTIONS

Pause Time F0	After the opening the gate waits for F0 seconds before beginning the closure. To disable the automatic closure set F0 = 5E . To set 5E hold down or keep pressing button C until the display shows 5E . If F0 = 5E the gate will be stopped after the opening and the gate state will be stop-opening.		
Kick Back Function During Closing F2	When the gate is closing and the slowdown is finished, a ramp pulse is executed by motor A. This pulse is F2 seconds long and the obstacle detection sensor is disabled for the same amount of time. After the pulse the closing phase is finished. This function can be useful when the electric lock is installed and the motor A slowdown force is not strong enough to close the gate completely. F2 is settable from 0.0 to 1.0 seconds		
Preblinking Time F3	Before starting the motors, the flashing lamp blinks for F3 seconds. After this time the flashing lamp will continue blinking and the motors will start. F3 is settable from 0.0 to 4.0 seconds		
Kick Back Function During Opening F4	F4 = 5I → ENABLED F4 = no → DISABLED Before normal opening motor A closes for 0.5 seconds. During this time the force of motor A is set to maximum power and the obstacle detection is disabled. This function can be useful when the electric lock is installed and opening is difficult.		
Start Commands Functionality F5 F6	<p style="text-align: center;">STANDARD SETTING</p> <p style="text-align: center;">F6 = no and F5 = no</p> <p><u>During the opening:</u> The start commands stop the opening.</p> <p><u>During the closing:</u> The start commands stop the closing and begin the opening.</p>	<p style="text-align: center;">COMMUNITY MODE</p> <p style="text-align: center;">F6 = 5I</p> <p><u>During the opening:</u> The start commands don't have any effect.</p> <p><u>During the closing:</u> The start commands stop the closing and begin the opening.</p>	<p style="text-align: center;">STEP-BY-STEP SETTING</p> <p style="text-align: center;">F6 = no and F5 = 5I</p> <p><u>During the opening:</u> The start commands stop the gate.</p> <p><u>During the closing:</u> The start commands stop the gate.</p>
Fast Closure Function F7	F7 = 5I → ENABLED F7 = no → DISABLED The start terminal block becomes a fast closure start. It has the same functionality of a start command but with a special function: during the first opening once the photocells (internal and external or external and internal) have been activated the gate will start to close, after 5 seconds. This function works with internal and external photocells installed only.		
Photocells Logic F8	<p>F8 = 5I → STANDARD MODE</p> <p><u>During the opening:</u> While the internal photocell is activated the control board stops the opening. When the internal photocell is deactivated the control board continues the opening. The activation of the external photocell doesn't have any effect instead.</p> <p><u>During the closing:</u> If the external photocell is activated the control board stops the closing and starts the opening. If the internal photocell is activated the control board stops the closing and waits for the opening. The opening starts only when the internal photocell is deactivated.</p>		<p>F8 = no → REVERSE MODE</p> <p><u>During the opening:</u> If the internal photocell is activated the control board stops the opening and starts the closing. After 3 seconds the closure is stopped and the control board state is stop-opening. The activation of the external photocell doesn't have any effect instead.</p> <p><u>During the closing:</u> If the external photocell is activated the control board stops the closing and starts the opening. The activation of the internal photocell doesn't have any effect instead.</p>
Electric Lock L0	L0 = 5I → ENABLED The electric-lock module is managed. The module must be installed on the expansion socket.		L0 = no → DISABLED The electric-lock is not managed. The module is not installed on the expansion socket.
Photocells Test E1	E1 = 5I → ENABLED E1 = no → DISABLED Each time the gate starts, the control board checks the photocells. If no errors are detected the motors can be started. Viceversa the motors cannot start and the control board display shows 7E .		
Motors Thermal Test E2	E2 = 5I → ENABLED E2 = no → DISABLED Each time the gate starts the control board checks the motors. If the test is failed the motors cannot be driven and the control board display shows 9A or 9B . 9A means that motor A is in thermal protection state. 9B means that motor B is in thermal protection state. If both motors are in thermal protection state, the control board will always show 9A . This test may even fail if motor A or motor B are badly connected.		

RADIO FUNCTIONS



Single Erasing	<p>Keep pressing A or B button until the display shows r 0. After a few seconds the control board starts scanning for saved codes. Each code showed is a remote key identification number previously saved. To erase a displayed code, hold down button C until display turns off.</p>
Save A Remote Key As A Start Function	<p>Keep pressing A or B button until the display shows r 1. After a few seconds the control board shows ε □. Hold down an unsaved remote key. The control board will show you ε □. To save push down button C on the control board while the remote key is still pressed. After saving, each time the remote key is pressed and the r 1, r 2, r 3 or r 4 function is selected, the control board will show the remote key identification number.</p>
Save A Remote Key As A Stop Function	<p>Keep pressing A or B button until the display shows r 2. After a few seconds the control board shows ε □. Hold down an unsaved remote key. The control board will show you ε □. To save push down button C on the control board while the remote key is still pressed. After saving, each time the remote key is pressed and the r 1, r 2, r 3 or r 4 function is selected, the control board will show the remote key identification number.</p>
Save A Remote Key As A Pedestrian Start Function	<p>Keep pressing A or B button until the display shows r 3. After a few seconds the control board shows ε □. Hold down an unsaved remote key. The control board will show you ε □. To save push down button C on the control board while the remote key is still pressed. After saving, each time the remote key is pressed and the r 1, r 2, r 3 or r 4 function is selected, the control board will show the remote key identification number.</p>
Save A Remote Key As A Fast Closure Start Function	<p>Keep pressing A or B button until the display shows r 4. After a few seconds the control board shows ε □. Hold down an unsaved remote key. The control board will show you ε □. To save push down button C on the control board while the remote key is still pressed. After saving, each time the remote key is pressed and the r 1, r 2, r 3 or r 4 function is selected, the control board will show the remote key identification number.</p>
Total Erasing	<p>Keep pressing A or B button until the display shows r 5. After a few seconds the control board shows α □. To erase all saved codes, hold down button C until the display stops flashing 5 1 (YES).</p>

TERMINAL BLOCK SETTING



Start- Open only - Close only <div style="text-align: center; border: 1px solid black; width: 40px; margin: 0 auto; padding: 2px;">E 1</div>	$E1 = n0 \rightarrow$ DISABLED $E1 = 00$ or $0P$ or CL \rightarrow ENABLED $E1$ is the terminal block labeled with "1". It is the external start input of the control board. It can be associated with following functions: Start, Open only or Close only. It is normally open contact. It is advisable to set $E1 = n0$ if you don't use a start input device like push button or radio. If the start input is activated the control board shows 00 or $0P$ or CL
Stop <div style="text-align: center; border: 1px solid black; width: 40px; margin: 0 auto; padding: 2px;">E 2</div>	$E2 = S1 \rightarrow$ ENABLED $E2 = n0 \rightarrow$ DISABLED $E2$ is the terminal block labeled with "2". It is the external stop input of the control board. The stop is a safety device and it is a normally close contact. It is always advisable to install an external stop switch. During the installation phase it may be useful to disable $E2$. When the external switch is wired the control board recognizes it automatically. If a stop input is activated the control board display shows $S1$.
External Photocell <div style="text-align: center; border: 1px solid black; width: 40px; margin: 0 auto; padding: 2px;">E 3</div>	$E3 = S1 \rightarrow$ ENABLED $E3 = n0 \rightarrow$ DISABLED $E3$ is the terminal block labeled with "3". It is the external photocell input of the control board. The external photocell is a safety device and it is a normally closed contact. It is always advisable to install the external photocell device. During the installation phase it may be useful to disable $E3$. When the external photocell device is wired the control board recognizes it automatically. If the external photocell is activated the control board display shows $E3$.
Internal Photocell <div style="text-align: center; border: 1px solid black; width: 40px; margin: 0 auto; padding: 2px;">E 4</div>	$E4 = S1 \rightarrow$ ENABLED $E4 = n0 \rightarrow$ DISABLED $E4$ is the terminal block labeled with "4". It is the internal photocell input of the control board. The internal photocell is a safety device and it is a normally closed contact. It is always advisable to install the internal photocell device. During the installation phase it may be useful to disable $E4$. When the internal photocell device is wired the control board recognizes it automatically. If the internal photocell is activated the control board display shows $E4$.
Pedestrian- Open only - Close only <div style="text-align: center; border: 1px solid black; width: 40px; margin: 0 auto; padding: 2px;">E 7</div>	$E7 = n0 \rightarrow$ DISABLED $E7 = PE$ or $0P$ or CL \rightarrow ENABLED $E7$ is the terminal block labeled with "7". It can be associated with one of following functions: Pedestrian, Open only or Close only. This input is a normally open contact. It is advisable to set $E7 = n0$, if you don't use a pedestrian start input device like a push button or a radio. If a pedestrian start input is activated the control board display shows PE or $0P$ or CL

ONE MOTOR INSTALLATIONS



It is possible to use the control board for one motor installations. Both motors outputs can be used.

If you want to program the control board manually:

- Follow the steps in the table (12.A) or (12.B) in accordance with the chosen output.
- Program the other parameters like you want.

If you want to program the control board using the $P2$ programming method:

- Set $E2$ to $n0$.
- Start the $P2$ programming method (see page 11).
- Follow the steps in the table (12.A) or (12.B) in accordance with the chosen output.

(12.A) Motor A Output
Set $R4$ to 00
Set $b1$ to 00
Set $b2$ to 00
Set $b4$ to 00
Set $b7$ to $n0$
Set $b8$ to $n0$
Set $E2$ to $n0$

(12.B) Motor B Output
Set $R1$ to 00
Set $R2$ to 00
Set $R4$ to 00
Set $R7$ to $n0$
Set $R8$ to $n0$
Set $b4$ to 00
Set $E2$ to $n0$

COURTESY FUNCTIONS



Default Restore	<p>To restore the factory default setting, keep pressing button A or B until the display shows d0. After a few seconds the control board shows n0. To execute hold down button C until the display shows -. The factory default has been set and the control board state is in stand by state. This function doesn't have any effect on radio programming.</p>
d0	
Motors Working Time Programming	<p>P2 is a semi-automatic procedure to acquire the working time parameters. The working time parameters are R1, R2, b1, b2 and F0. In other words, after this procedure the standard working time, the slowdown working time of each motor and the pause time are acquired by the control board. Before beginning this procedure, check that: all safety devices are connected, the control board is in stand by state and the sense of rotation of each motor is correct. To begin this procedure hold down or keep pressing button A or B until the control board display shows P2. After a few seconds the control board display shows -.</p> <p>After pressing a start input, the procedure will be started. This procedure is subdivided into 5 steps. They are called: R1, R2, b1, b2 and F0. In each step a parameter is programmed. During the whole programming procedure the obstacle detection sensor is disabled.</p>
P2	
P2 → -	<p>The control board is ready to start the 2 motors working time programming. To go to R1 press any start input.</p>
R1	<p>The standard working time of motor A (R1) is programming. Motor A is opening. To go to R2 press any start input</p>
R2	<p>The slowdown working time of motor A (R2) is programming. Motor A is slowing. To go to b1 press any start input.</p>
b1	<p>The standard working time of motor B (b1) is programming. Motor A is stopped. Motor B is opening. To go to b2 press any start input.</p>
b2	<p>The slowdown working time of motor B (b2) is programming. Motor B is slowing. To go to F0 press any start input</p>
F0	<p>The automatic closure time of the gate is programming (F0). Motor B is stopped. The flashing lamp is on. After a few seconds the control board display shows the counting time. To finish the programming press any start input and wait until the gate is completely closed.</p>

DECLARATION OF COMPLIANCE

Manufacturer: Quiko Italy

Sede legale e stabilimento
Via Seccalegno, 19
36040 Sossano (VI)
Italia

declares under his own responsibility that the product:
Control board **QK-CE220BATRL4**

complies with the main safety requirements issued by the following directives:

- ✓ Radio Sets - 1999/05/EC;
- ✓ Low Voltage - 2006/95/EC;
- ✓ Electromagnetic Compatibility - 2004/108/EC

and any revisions thereof, and complies with the provisions that implement said directives in the National Legislation of the Country of destination where the products are to be used.

Sossano, 18/09/2012

Il Legale Rappresentante
Luca Borinato

