

RADIO RECEIVER PROGRAMMING

DELETE ALL THE RECORDED TEST CODES, BEFORE TO PROGRAMME THE RADIO-RECEIVER

r = SHOW CODES

Display the stored code scanning from 1 to 50

ERASURE OF EACH SINGLE RADIO CODE

During the scanning press the button **D** when the display shows the number of the code you want to erase.

tc NEW REMOTE CONTROL

PROCESS 1 = STANDARD acquisition

PROCESS 2 = SEQUENTIAL acquisition

PROCESS 1

- Press the button **A** several time until when the display shows the symbol rR
- Press the button **B** until when the display shows the symbol tc
- Give an impulse with the transmitter and keep it pressed
- At the same time press the button **C** to confirm the program storage

PROCESS 2

Connect Jumper **J1**

- Give an impulse with the transmitter and keep it pressed
- At the same time press the button **A** for the code acquisition.
- Give an impulse with the transmitter and keep it pressed.
- Remove the jumper **J1** (without switching off the power supply).
- The double click of the relay confirms the code storage.

CP REMOTE CONTROL ACQUISITION WITH STOP FUNCTION

Press the button **A** until when the display shows the symbol rR

- Press the button **B** until when the display shows the symbol CP
- Give an impulse with the transmitter and keep it pressed
- At the same time press the button **C** to confirm the program storage

Pd REMOTE CONTROL ACQUISITION WITH PEDESTRIAM FUNCTION

Press the button **A** until when the display shows the symbol rR

- Press the button **B** until when the display shows the symbol Pd
- Give an impulse with the transmitter and keep it pressed
- At the same time press the button **C** to confirm the program storage

rc DELETE AT THE SAME TIME ALL CODES

Press the button **A** until when the display shows the symbol rc

- Press the button **B** until when the display shows the symbol rc
 - Keep the button **D** pressed until when the display shows the symbol rc
- (Now all the codes have been erased)

CONTROL UNIT PARAMETERS PROGRAMMING

Process 1 = STANDARD

Process 2 = SEQUENTIAL

Warning:

- 1 Check that the connection to the **motors** follows the diagram
- 2 Check that the connection of the **security** devices follows the diagram
 - Note:** In case of you do not install the photocells in closing phase, please jump terminal 3 and 9.
 - In case of you do not install the rubber edge in opening phase, please jump terminal 4 and 9.
- 3 Check that the connections of the Controls follow the diagram
 - Note:** If the **Stop** function is not in use for the time being Jump terminal 2 and 8.
- 4 The gate has to reach the **closing** position
- 5 Switch on the control unit.

STANDARD PROGRAMMING (Process 1)

- a) Give a **START** impulse (terminal 1 and 8)
- b) During the opening phase, after 240 cm of running, the deceleration will **start**. (Because the control unit is pre-programmed for an opening range of 2,50mt)
- c) It will stop for 3 sec.
- d) And then will proceed to close.
- e) Give a further **START** impulse to see which are the non suitable times and functions of the device and note them in the boxes: values and changes.
- f) Step in the programming phase using the buttons **A** and **B** to join the wished parameter. Use the buttons **C** and **D** to change or confirm every single parameter.

EXAMPLE 1: Addition the working time of the motor within 5 sec.

EXAMPLE 2: Reduce the deceleration time of the motor within 2 sec.

EXAMPLE 3: Delete the break time

EXAMPLE 1

While the control board is switched on check that display shows :	--
Press the button A	$P R$
Press several times the button B	$n 1$
Wait a little	$2 0$
Press 5 times the button C	$2 5$
Press several time the button B	$5 U$
Press the button C	--

The working time of the motor is boosted within 20-25 seconds.

EXAMPLES 2

While the control board is switched on check that the display shows	--
Press the button A	$P R$
Press moreover the button B	$r 1$
Wait a minute	$0 3$
Press twice the button D	$0 1$
Press several times the button B	$5 U$
Press the button C	--

The deceleration time of the motor has been reduced within 2 seconds

EXAMPLE 3

When the control board is switch on check that the display shows:	--
Press the button A	the display shows the symbol $P R$
Press several times the button B	when the display shows the symbol $P 3$
Wait 1-2 seconds	the display will shows the symbol $5 1$
Press once button D	the display will shows the symbol $n 0$
Press several times button B	the display will shows the symbol $5 U$
Press button C	the display will shows the symbol --

It has been removed the automatic closing and it has been inserted the step by step function.

SEQUENTIAL PROGRAMMING (Process 2)

- a) Insert Jumper **J1**
- b) Press button **B** to select $n n$ = **MOTOR 1**
When the display shows the required position you should wait a moment without pressing any button.
- c) When the display will show the symbol $0 0$ you can **START** the **Sequential programming**.
You can go on using the **START** button or the radio transmitter button if it has been already programmed.
- d) 1° Impulse: **OPENING** the gate start the opening phase
- e) 2° Impulse: the deceleration begins, when the gate presses the stroke end It starts automatically to calculate the **Break Time**. (the display will show it)
- f) 3° Impulse: **STOP** to the **Break Time** and start the **CLOSING** phase
- g) Wait for the complete end of the cycle until when the blinker is off
- h) Remove the jumper (without switching off the power supply) the double click of the relay shows that the stated values have been stored.
- i) Give a **START** impulse and control that times are responding to the needs.
- j) If the times of **Working**, **Deceleration** and **Pause** do not respond to your needs you can:
 - 1 Repeat the sequence from step a) or
 - 2 Set up in the programming with the buttons and modify the time which you want to change.

P 3 = YES = AUTOMATIC CLOSING INSERTED

- A **START** Impulse during the opening phase stops the leaves (they stay unmoved until a new impulse)
 - A **START** impulse during the closing phase changes the working. If you do not want that the Start impulse during the opening phase stops the gate you have to insert the condominium function (function $P 2$ = yes)
- = **NO = STEP BY STEP INSERTED**
- An impulse opens An impulse blocks An impulse closes

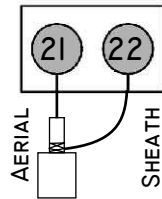
P 2 = YES = CONDOMINIAL FUNCTION INSERTED

The control board does not accept any command during the opening phase.

TERMINAL BOARDS CONNECTIONS

All the connections must be done without power supply.

TERMINAL BOARD 1



EARTH TERMINAL BOARD CONNECTIONS

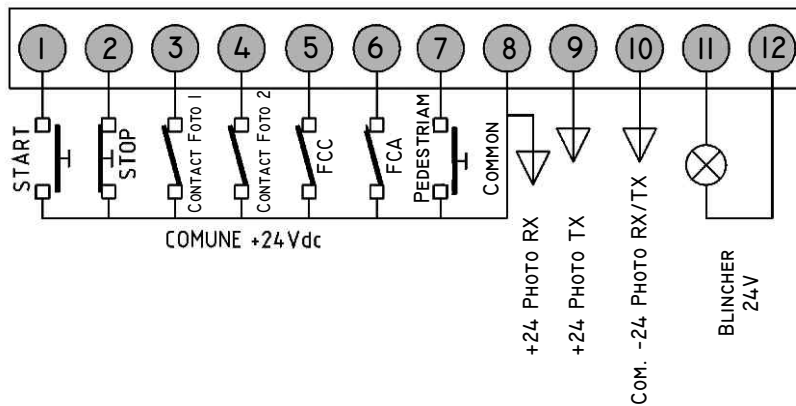
Connect the yellow/green motors cable to earth terminals **A / B**.
Connect the yellow/green network cable to earth terminal **C**.

TERMINAL BOARD 1 CONNECTIONS

21 Antenna or radio receiver signal
22 Sheath or negative for radio receiver

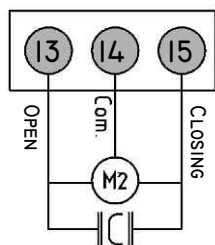
TERMINAL BOARD 2 CONNECTIONS

TERMINAL BOARD 2



1-8	Start control normally open (NA) for button, key selector and radio connection. The Start control starts the programmed running cycle.
2-8	Stop control normally closed (NC). Emergency button. When pressed the gate stops immediately. In Opening phase and Break-time: at the first impulse the gate closes. In Closing phase: at the first impulse the gate opens. If, temporarily, the Stop contact is not used, jump terminal 2 with terminal 8.
3-8	Input of one safety photocell in closing phase. Input of several safety photocells in closing phase. The receiver contacts must be connected in series. Normally closed (NC). In opening phase: does not work In closing phase: Stop, break-time for 2 seconds, opening phase again. If, temporarily, the photocell contacts are not used, jump terminal 3 with terminal 9.
3-9	Input only for safety rubber edges in closing phase. The contacts must be connected in series if there is more than one safety rubber edge. Normally closed (NC). In opening phase: does not work. In closing phase: Stop, break-time for 2 seconds, opening phase again.
4-8	Input for safety photocells in opening phase (for sliding gate). Normally closed (NC). In opening phase: Stops and changes direction for 3 seconds In closing phase: does not work If you also want to connect the safety rubber edges, you must connect in series their contacts with the photocell ones. If, temporarily, the photocell contacts are not used, jump terminal 4 with terminal 9.
4-9	Input safety rubber edges in opening phase (for sliding gate). Normally closed (NC). In opening phase: Stops and changes direction for 3 seconds In closing phase: does not work Using more than one safety rubber edges, the contacts must be connected in series.
5-8	Limit switch input in closing phase.
6-8	Limit switch input in opening phase.
7-8	Pedestrian start input. Normally open (NA). Only one leaf start to open
8-10	Output for photocell receiver power supply. Output for extra 24V dc accessories power supply. With all Standard accessories included 100 mA are still available for extra accessories.
9-10	Output for photocell transmitter power supply.
11-12	Blinker intermittent output. 24V dc 10W max.

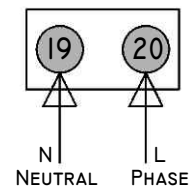
TERMINAL BOARD 3



TERMINAL BOARD 3 CONNECTIONS

13 **Motor 1 M1- output** (13 Brown; 14= Blue; 15= Black)
14 The motor is preset to be fixed on the right side of the gate (looking from the interior side). If you fix the motor on the left side, you have to exchange the wire 13 with the 15 (motor) and the wire 5 with the 6 (limit switch) in the control board.
15 Capacitor between connector 13 and 15.

TERMINAL BOARD 4

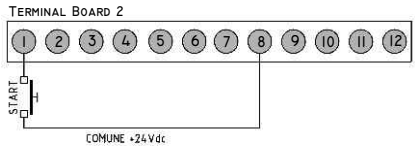


TERMINAL BOARD 4 CONNECTIONS

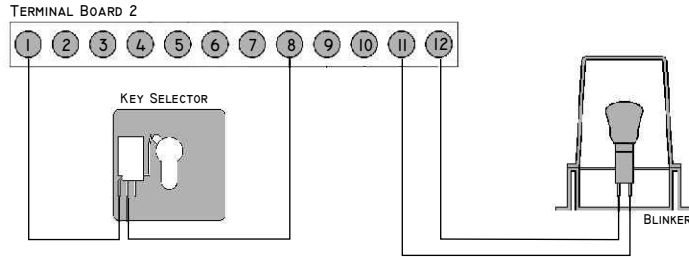
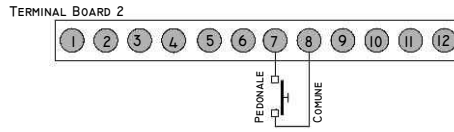
19-20 Power input 230-240 Vac - 50/60 Hz. (19=Neutral - 20=phase)

MEMORANDUM FOR WIRING AND PROGRAMMING THE CONTROL UNIT Q36S

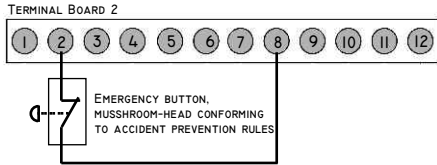
1 START



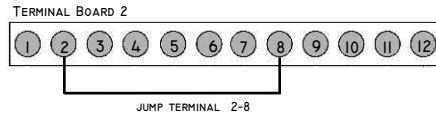
2 PEDESTRIAN START



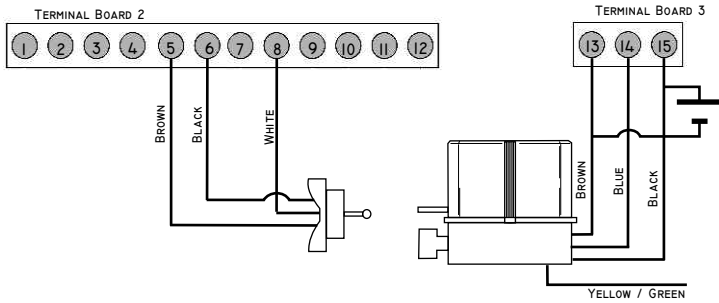
3 EMERGENCY PUSH BUTTON STOP CONTACT



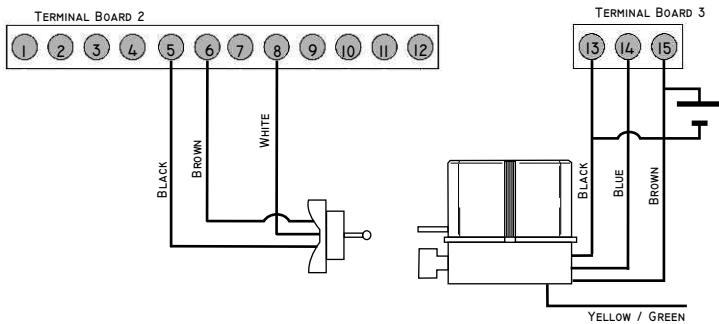
N.B.: Jump terminals 2 and 8 if, temporarily, the STOP contacts is not used



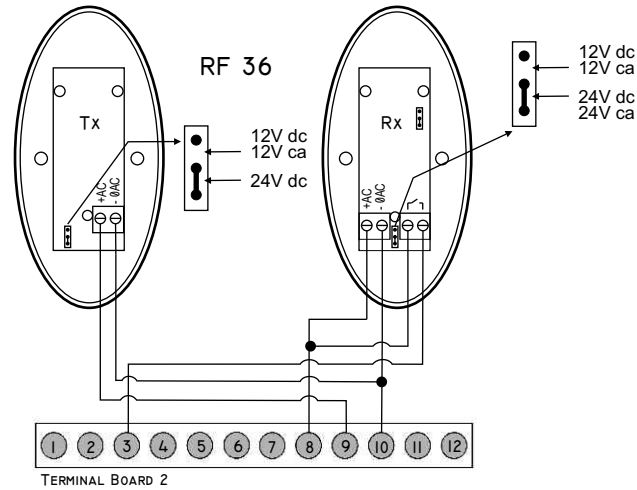
4 MOTOR AND LIMIT SWITCH



IF IT IS MOUNTED ON THE LEFT-HAND SIDE (looking the inside) TO INVERT WIRE 13 WITH WIRE 15 END WIRE 5 WITH WIRE 6



5 CONNECTION PHOTOCELL IN CLOSING PHASE



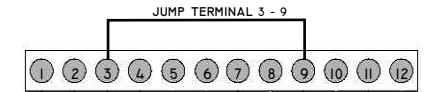
CONECTION PHOTOCELL

- 8 = Power supply + PHOTO RX
- 9 = Power supply + PHOTO TX
- 10 = Power supply - COM. PHOTO TX/RX

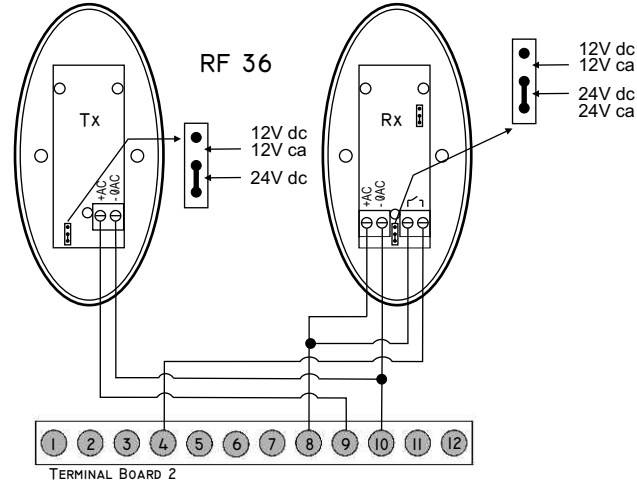
3 - 8 = Conection photocell

TERMINAL BOARD 2

3 - 9 : Jump terminals 3 and 9 if the photocell in closing has not been installed.



5 CONNECTION PHOTOCELL IN OPENING PHASE



CONECTION PHOTOCELL

- 8 = Power supply + PHOTO RX
- 9 = Power supply + PHOTO TX
- 10 = Power supply - COM. PHOTO TX/RX

4 - 8 = Conection photocell

4 - 9: Jump terminals 4 and 9 if the photocell in opening has not been installed.

