

# **PROGRAMMING THE RADIO**

### **IMPORTANT: BEFORE PROGRAMMING FOR THE FIRST** TIME THE RADIO RECEIVER, DELETE ALL THE RECORDED TEST CODES.

# SEE FUNCTION C AT THE BOTTOM OF THIS CHAPTER

## DISPLAYING STORED CODES

- Press the **button A** repeatedly until the display shows r RPress button B until the display shows r The display will now cycle trough each stored code from 01 to 50.
- TO ERASE A SINGLE STORES CODE
- Press button D when the number of the code to be removed is displayed

## STORING NEW REMOTE CONTROL CODE

- Press the **button A** repeatedly until the display shows r R
  - Press button B until the display shows  $\zeta c$
  - Press and hold the remote control button until a dot appears on the display (this means that the receiver is ready to store a new code) and simultaneously press button C to store the new code

## STORING NEW REMOTE CONTROL CODE with STOP function

- Press the button A repeatedly until the display shows r R
- Press button B until the display shows [P
- Press and hold the remote control button until the dot appears on the display and simultaneously press button C to store the new code.

## STORING NEW REMOTE CONTROL CODE with PEDESTRIAN function

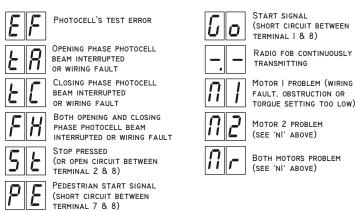
- Pd Press the button A repeatedly until the display shows f
  Press button B until the display shows d

  - Press and hold the remote control button until the dot appears on the display and simultaneously press button C to store the new code

## DELETING ALL STORED CODES

- Press the **button A** repeatedly until the display shows r R
- Press button B until the display shows r
- Press and hold **button D** until the display shows  $\Gamma$  = This indicates that all the codes have been erased

# SELF-DIAGNOSIS DISPLAY MESSAGES



#### Method 1 = STANDARD Method 2 = SEQUENTIAL

#### Warning:

Before powering up and programming the control unit refer to the wiring scheme and then:

- 1 Check that the motor connections are correct
- 2 Check that the photocell connections are correct

#### Important:

If the photocells are not installed in closing phase, you must link terminals 3 and 9.

If the photocells are not installed in opening phase, you must link terminals 3 and 9.

- 3 Check that the control connections are correct. Important:
- If an emergency stop button is not fitted, you must link terminals 2 and 8.
- Use the motor release key supplied to disengage the electric motor from the mechanical drive; then close the gate and re-engage.
- 5 Power the control unit up

#### STANDARD PROGRAMMING PROCESS (Method 1)

- a) Give a START signal by either turning the key s:witch or by another control device (terminals 1 and 8)
- b) Wait until the gate has finished a complete (pre-programmed) OPEN/STOP/WAIT/CLOSE cycle.
- c) Give another START signal and not which parameter need adjusting
- d) Press button A on the control unit to select the Parameters menu.
- e) Press button B repeatedly until the display shows the parameter that you need to change
- f) Use buttons C and D to change or confirm each parameter as necessary **IMPORTANT**: press button B repeatedly until the display shows  $S_{\parallel}$  and then press button C to save the changes.

#### Example:

Increase the Motor 1 working time by 2 seconds

With the control board switched on, ensure t	hat the display shows:	
Press button A (steps thru the top menu)	until the display shows	→ P R
Press button B (steps thru the sub-menu)	until the display shows	<b>→</b> î
Wait until the display shows the currents set	ing, for example	-> 21
Press button C twice	until the display shows	->23
Press button B repeatedly	until the display shows	<b>→</b> 5 <i>U</i>
Press and hold button C until the relays click	and the display shows	

## SEQUENTIAL PROGRAMMING (method 2)

#### SEQUENTIAL programming for gates with only one leaf

- Press button A (steps thru the top menu) until the display shows B5a)
- Press button B (steps thru the sub-menu) until the display shows  $\Pi$ Give a **START** signal: the leaf starts opening and the display shows  $\Pi$ b)
- c)
- Wait until the leaf has done the 90% of the opening cycle and then give another d) **START** signal: the display shows r and the deceleration phase begins
- e) Wait 4/5 seconds after the opening cycle has completely finished and give a START signal.
- The display shows  $L^{P}$ , the control unit has stored the opening and deceleration f) times and is now calculating the "stay open" time
- Give a START signals to stop calculating the "stay open" time and start the g) CLOSING CYCLE.
- g) When the closing cycle has completely finished, the control unit automatically exits from the sequential programming process and all the working times have been saved.

## SEQUENTIAL programming for gates with two leaf

- a) Press button A (steps thru the top menu) until the display shows  $h_{2}$
- b) Press button B (steps thru the sub-menu) until the display shows 2
- c) Give a START signal:
- The leaf 1 starts opening and the display shows  $\prod$
- d) Wait until the leaf 1 has done the 90% of the opening cycle and then give another **START** signal: the display shows r and the deceleration phase of **leaf 1** begins
- e) Wait 4/5 seconds after the **leaf 1** has completely opened and give another **START** signal. The display shows  $\int_{-\infty}^{\infty} dt$  and the **leaf 2** starts opening
- f) Wait until the leaf 2 has done the 90% of the opening cycle and then give another **START** signal: the display shows  $r_c^2$  and the deceleration phase of **leaf 2** begins
- g) Wait 4/5 seconds after the leaf 2 has completely opened and give another START signal.
- The display shows  $L^{P}$ , the control unit has stored the opening and deceleration h) times of both leaves and is now calculating the "stay open" time
- i) Give a START signals to stop calculating the "stay open" time and start the closing cycle.
- When the closing cycle has completely finished, the control unit automatically I) exits from the sequential programming process and all the working times have been saved

# SPECIAL FUNCTIONS

AUTOMATIC CLOSING FUNCTION

When set to YES ("SI"):

D

- an impulse during the opening phase will stop the motors until another impulse is received
- an impulse during the closing phase will stop and reverse the motors

#### When set to NO, the step-by-step operation is active:

- 1<sup>st</sup> impulse starts the **opening phase**
- 2<sup>nd</sup> impulse stops the opening phase
- 3<sup>rd</sup> impulse starts the closing phase

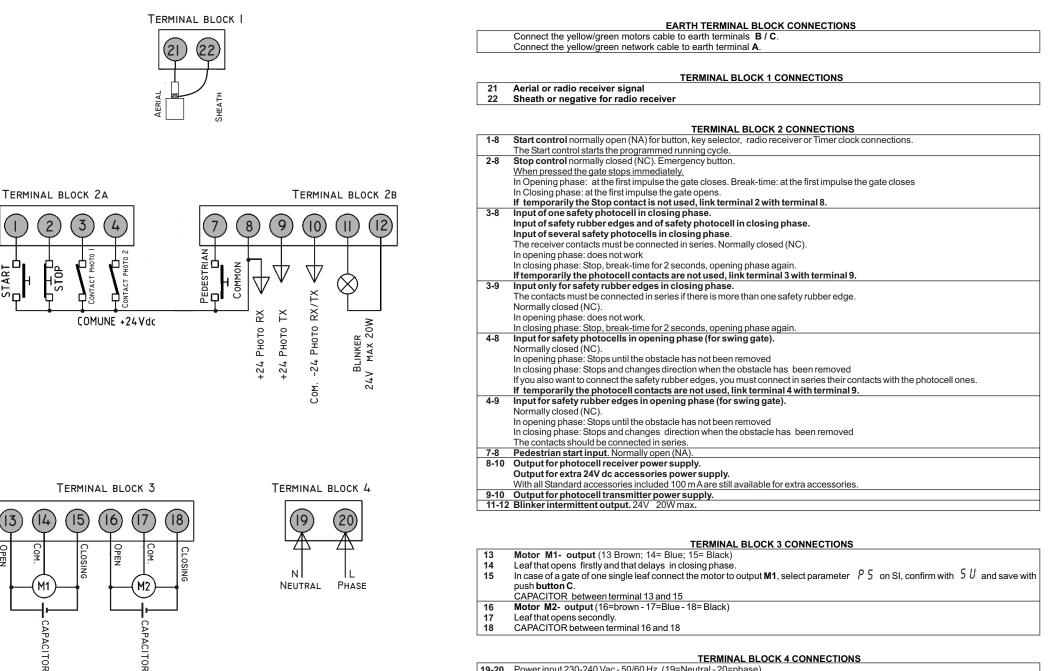


MULTI-USER FUNCTION when set to YES ("SI"): The control unit will not accept any command during the opening phase

**PROGRAMMING THE Q36A PARAMETERS** 

#### **TERMINAL BLOCK CONNECTIONS**

All the connections must be done without power supply.



2

STOP

14

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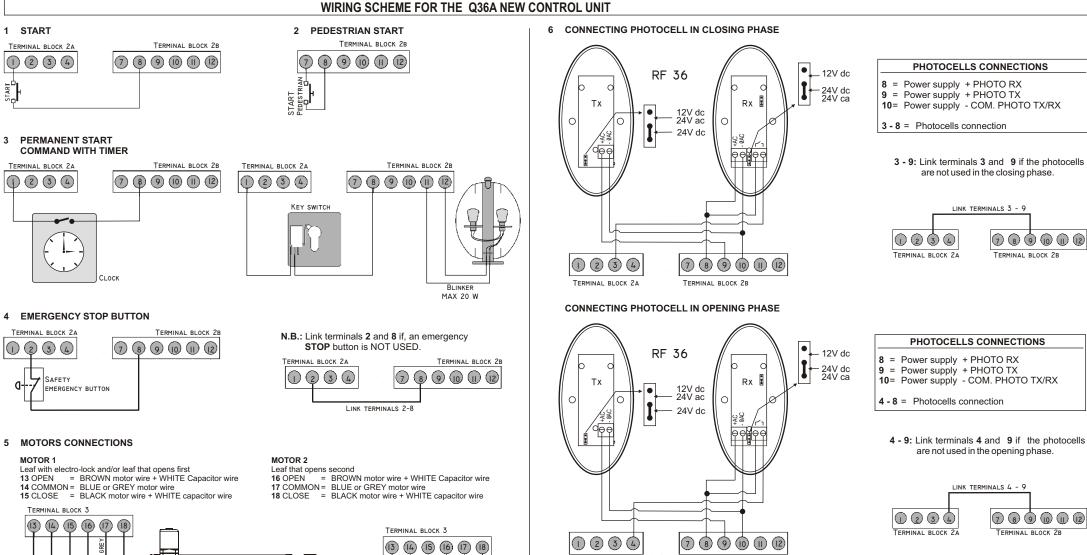
M1

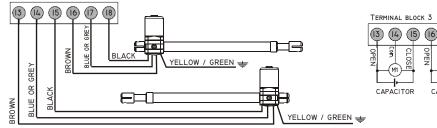
CAPACITOR

OPEN

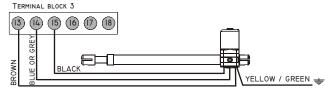
TARI

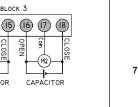
19-20 Power input 230-240 Vac - 50/60 Hz. (19=Neutral - 20=phase)





CONNECTIONS IF ONLY ONE MOTOR





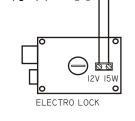
ELECTRO-LOCK INTERFACE BOARD(MEL)

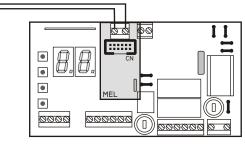
IF YOU WANT TO CONNECT THE MEL INTO CN

TERMINAL BLOCK 2A

 CONNECT THE ELECTRO LOCK • CHANGE THE PARAMETERS PD - P | AND - [

TERMINAL BLOCK 2B





(12)