



## 1. APPLICATIONS

- Combined control panel for dock and door
- Hydraulic dock motor at 380V AC three-phase for ramp or platform functions.
- Solenoid valve power supply 24V AC or DC.
- Door motor 230V/380V AC three-phase (depending on model)
- Possible additional elements: traffic light, vehicle safety chock, door position indicator, Wirelessband safety edges 8K2 or OSE
- Integrated door-dock safety.

## 2. SETTING UP INSTRUCTIONS

**Door:**

- The control panel can be activated via the OPEN button (23-25) or through the Radio Card. The operation stops by the activation of the corresponding limit switch, the end of the operation time, or the end of the door operation via encoder.
- By pressing STOP (28-29), the door stops. To resume operation, the OPEN or CLOSE buttons must be pressed.

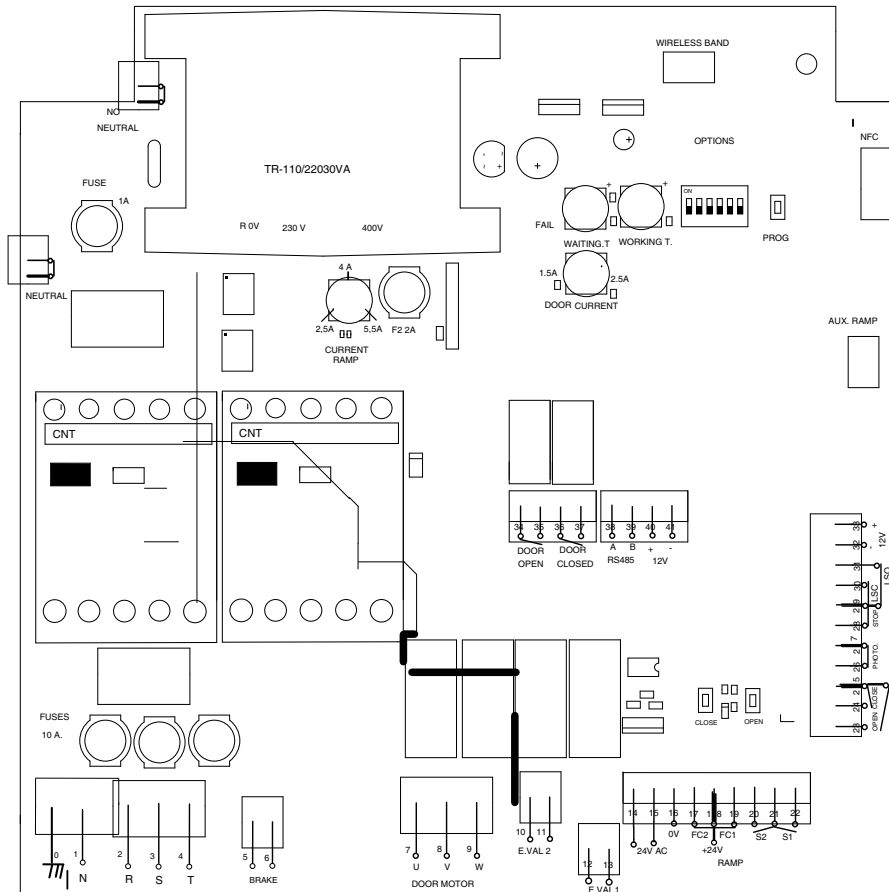
The automation operations vary depending on the selected operating mode (physical options or via App).

**Dock:**

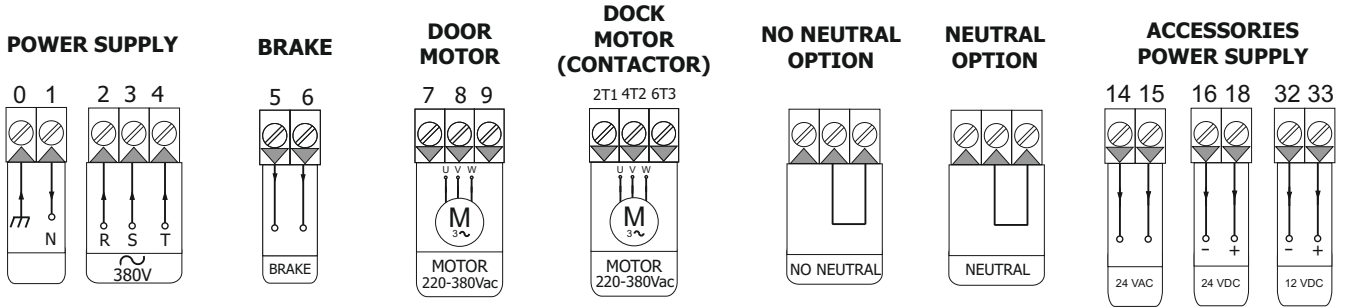
a) Manual Operation, Hold-to-Run, MESA Type  
 S1 activates the motor while pressed; solenoid valve is deactivated.  
 S2 activates the solenoid valve while pressed; motor is stopped.  
 FC1 deactivates the motor.  
 FC2 deactivates the solenoid valve.

b) Semi-Automatic Operation, RAMPA RH1 Type  
 S1 activates the motor while pressed; solenoid valve remains activated.  
 S2 deactivates the motor and the solenoid valve.  
 FC1 deactivates the motor.  
 FC2 deactivates the solenoid valve.

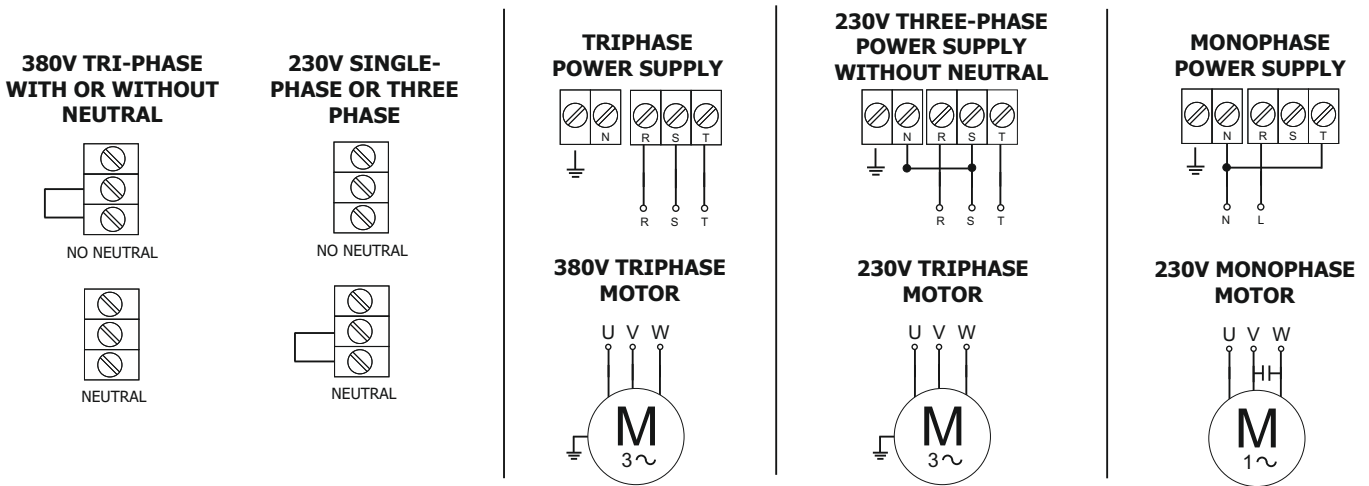
## 3. CONNECTIONS



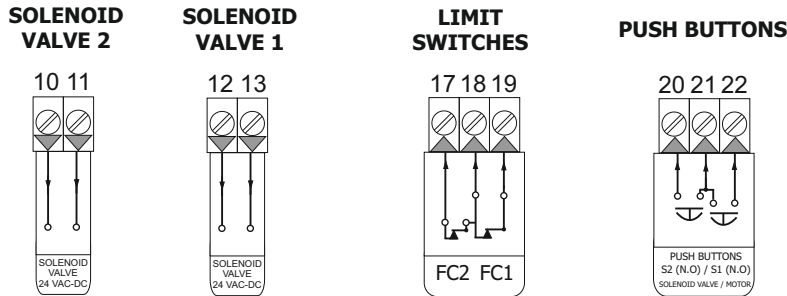
### 3.1 TERMINAL CONNECTIONS AND MOTORS



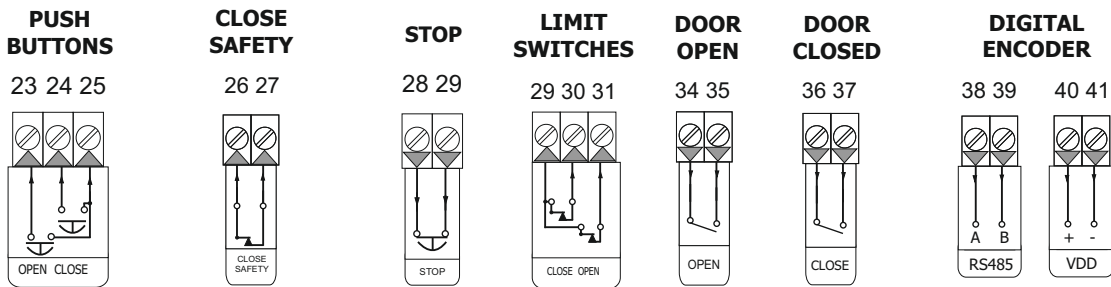
### 3.2 CONNECTIONS ACCORDING TO POWER SUPPLY VOLTAGE



### 3.2 DOCK TERMINALS



### 3.2 TERMINALES PUERTA



## 4. TIME REGULATIONS

### TIEMPO CIERRE AUTOMÁTICO (WAITING T.) - ROJO



Regula el tiempo de cierre.  
Girar a la IZQUIERDA para disminuir y a la DERECHA para aumentar.  
Mínimo - 6 a 8 seg.  
Máximo - 110 seg

### TIEMPO TRABAJO (WORKING T.) - GREEN



Regula el tiempo de cierre y de apertura. Girar a la IZQUIERDA para disminuir y a la DERECHA para aumentar.  
Mínimo - 6 a 8seg  
Máximo- 85 seg

## 5. MOTOR CURRENT CONTROL REGULATIONS

### MOTOR CURRENT DOCK (CURRENT RAMP) - WHITE



Regulates the current of dock motor.  
Turn LEFT to decrease and RIGHT to increase.

Minimum - 2.5A.  
Maximum - 5.5A

### DOOR CURRENT MOTOR (CURRENT DOOR) - BLUE



Regulates the current of door motor.  
LEFT to decrease and RIGHT to increase.

Minimum - 1.5A.  
Maximum - 2.5A.

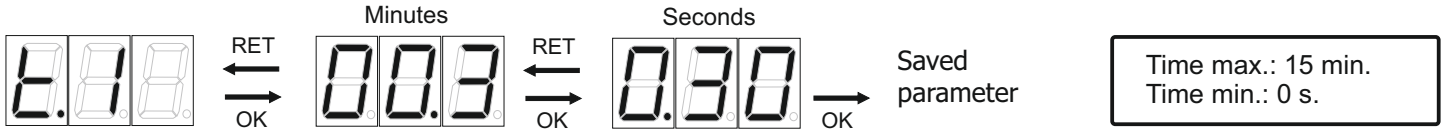
## 6. OPTIONS

1 AUTOMATIC CLOSING		- La puerta cierra automáticamente.
		- NO hay cierre automático
2 DEAD MAN*		- Maniobras con pulsadores ABRIR y CERRAR activados permanentemente.
		- Apertura y cierra sin función hombre presente.
3 DIGITAL ENCODER		- Activado.
		- Desactivado
4 MANEUVRE TIMES		- Manoeuvre time with potentiometers (analogic)
		- Digital time programming
5 DOCK OPERATION		- Dead Man manual operation, MESA (table) type.
		- Semi-automatic operation, RAMP type.
6		- Semi-automatic operation, DOCK with LIMIT SWITCH TEMPORIZED

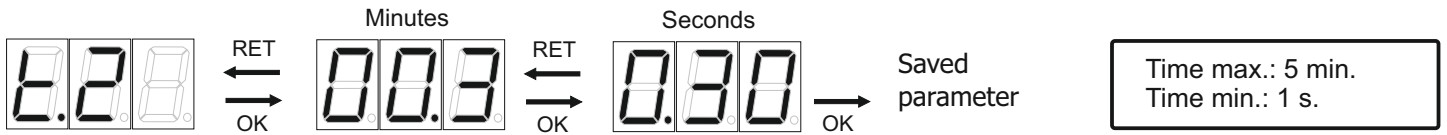
## 7. MENU PARAMETERS SET UP

### 7.1 TIMES (t.\_)

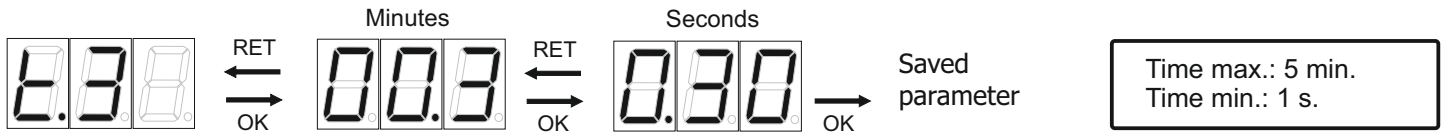
#### Automatic closing time:



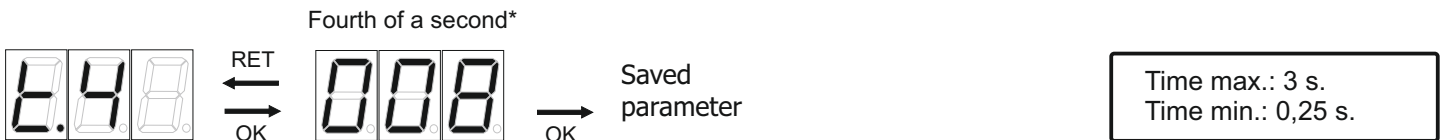
#### Opening time:



#### Closing time:



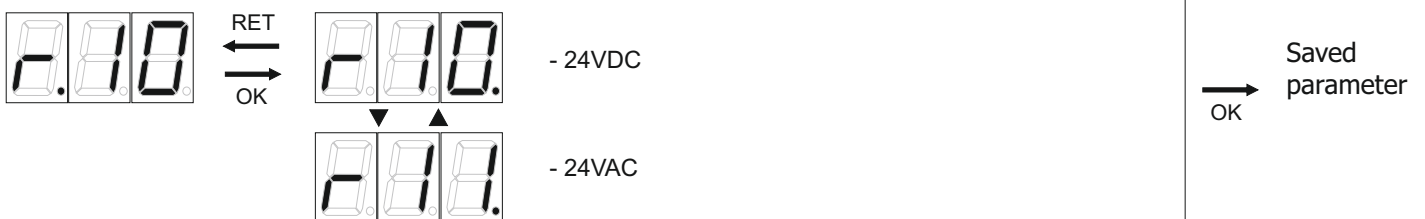
#### Invert time:



\*Every unit represents 0.25 seconds.

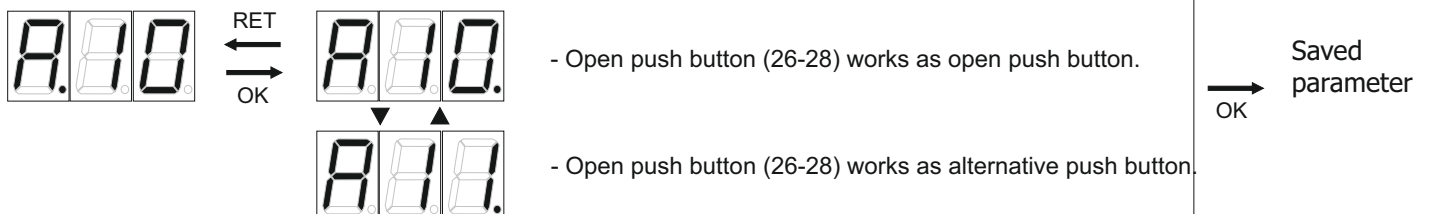
### 7.2 FUNCTIONS (r.\_) (RAMPA)

#### Solenoid valve supply type (must be changed by hardware as well):

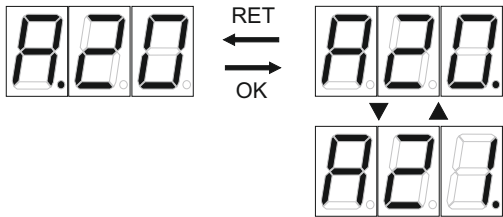


### 7.3 FUNCTIONS (A.\_)

#### Open push button (26-28):



**Disabling stop when opening:**

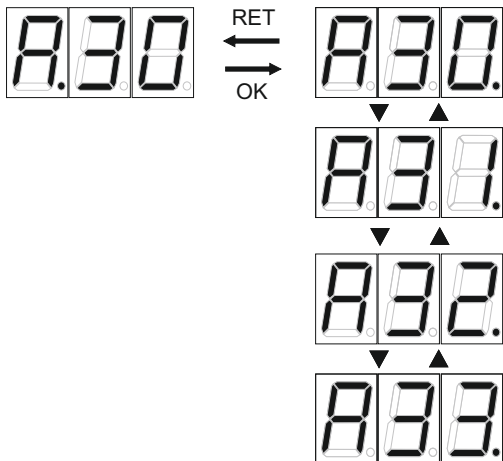


- No.

- Yes.

→ Saved parameter  
OK

**Dead man:**



- Never.

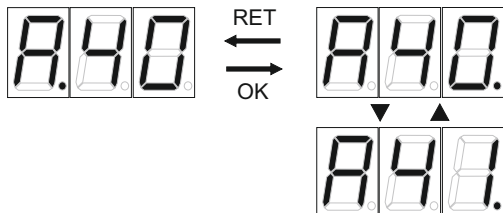
- When closing.

- When opening.

- Always.

→ Saved parameter  
OK

**Photocell for opening (21-22):**

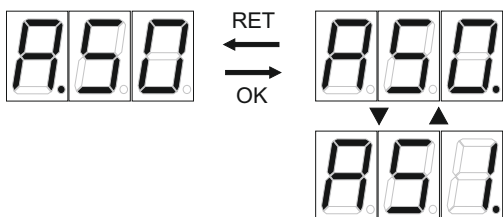


- Stop the manoeuvre.

- Stop and go the manoeuvre.

→ Saved parameter  
OK

**Resistive safety edge when opening:**

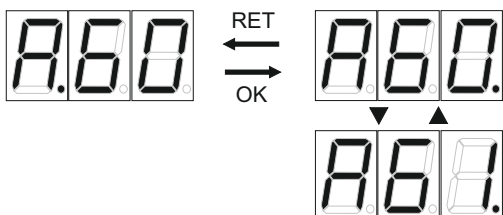


- Stop and invert when closing.

- Stop and invert 1 second when closing.

→ Saved parameter  
OK

**Resistive safety edge when opening:**

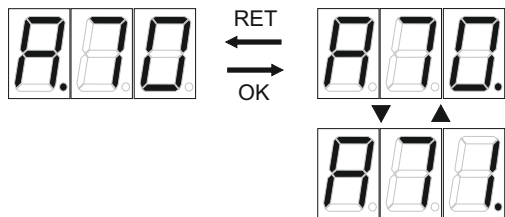


- Nothing.

- Stop and invert 1 second when opening.

→ Saved parameter  
OK

**Photocell 1 / Safety Edge input (21-22):**

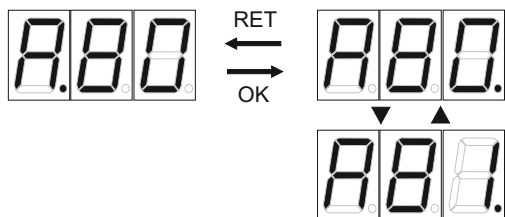


- Works as a photocell when opening.

- Works as 8K2 safety edge.

→ Saved parameter  
OK

**Door contacts indicator:**



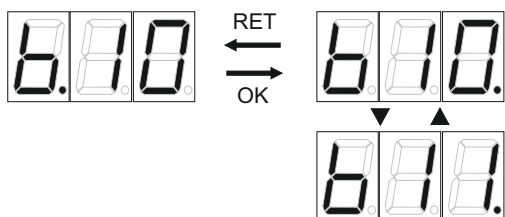
- Normally open (N.O.).

- Normally closed (N.C.).

→ Saved parameter  
OK

**9.3 FUNCTIONS (B.\_)**

**Photocell when door open (23-24):**

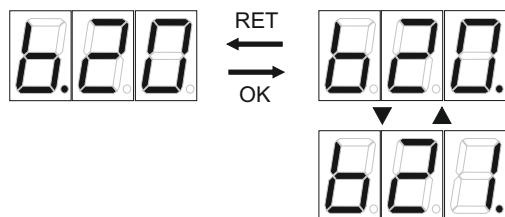


- Restore automatic closing time deactivated.

- Restore automatic closing time.

→ Saved parameter  
OK

**Open push button when door open (26-28):**

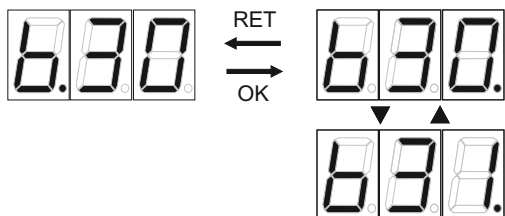


- Restore automatic closing time deactivated.

- Restore automatic closing time.

→ Saved parameter  
OK

**Activation resistive edge (8K2) / mechanical (NC) (29-30):**



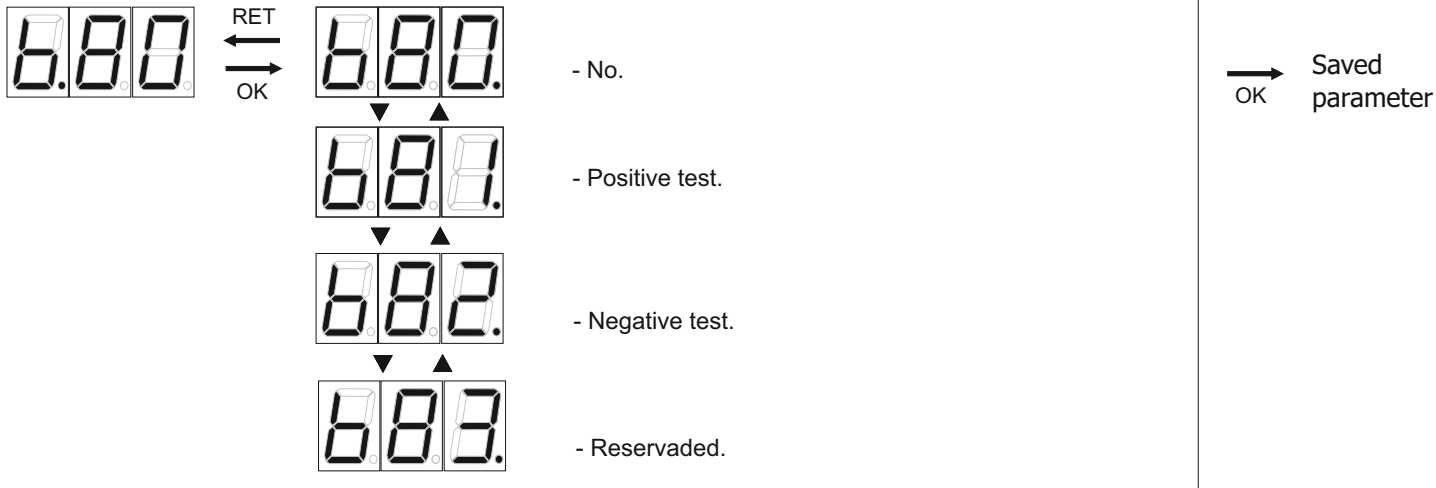
- Restore automatic closing time deactivated.

- Restore automatic closing time.

→ Saved parameter  
OK

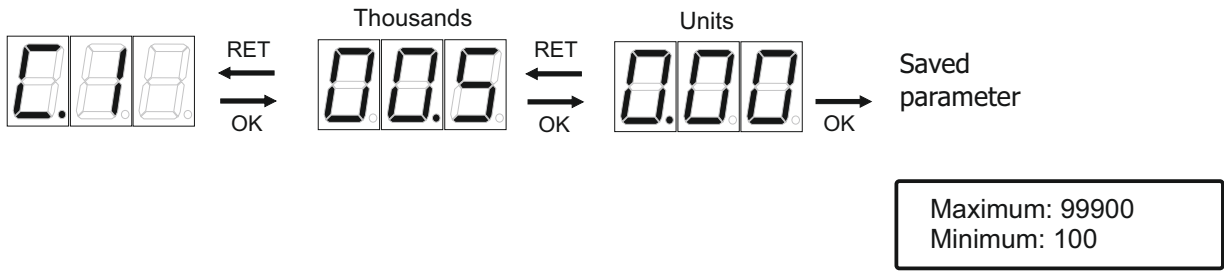


**Photocell test:**

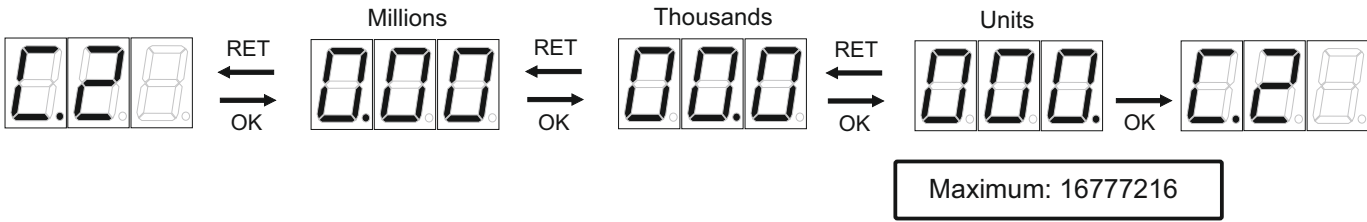


**7.5 MAINTENANCE (C.\_)**

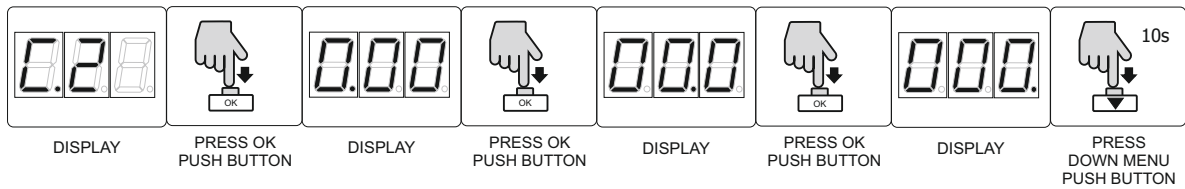
**Cycle limit for maintenance:**



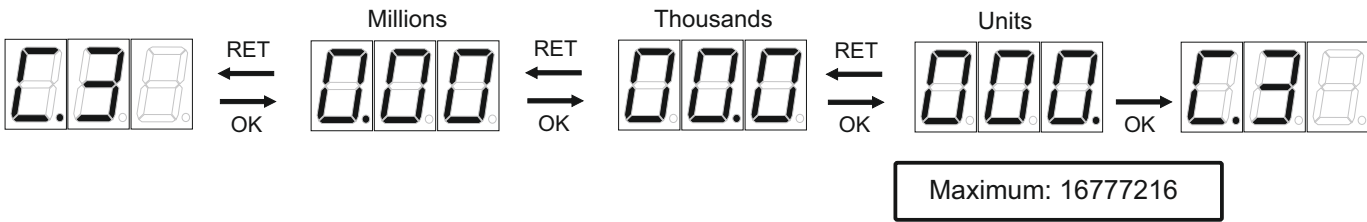
**Cycle counter trip:**



**Reset counter:**

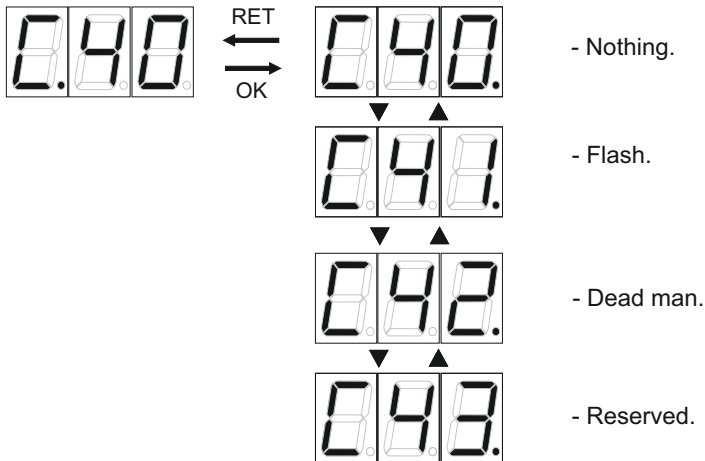


**Total cycle counter:**





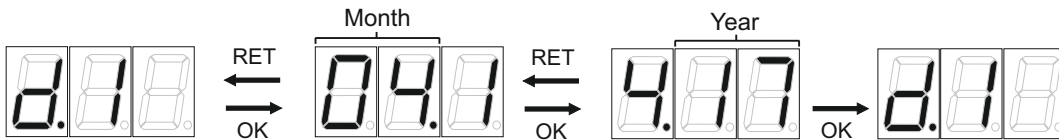
**Maintenance warning:**



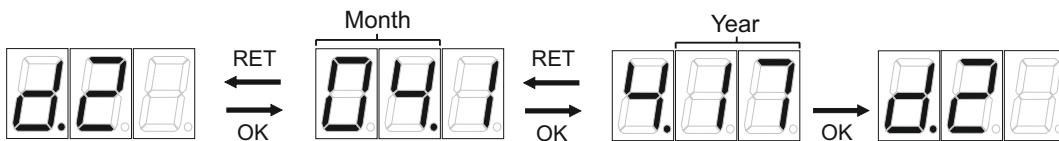
→ OK Parámetro guardado

**7.6 CONTROL UNIT INFORMATION (d.\_)**

**Production date:**



**Last maintenance date:**

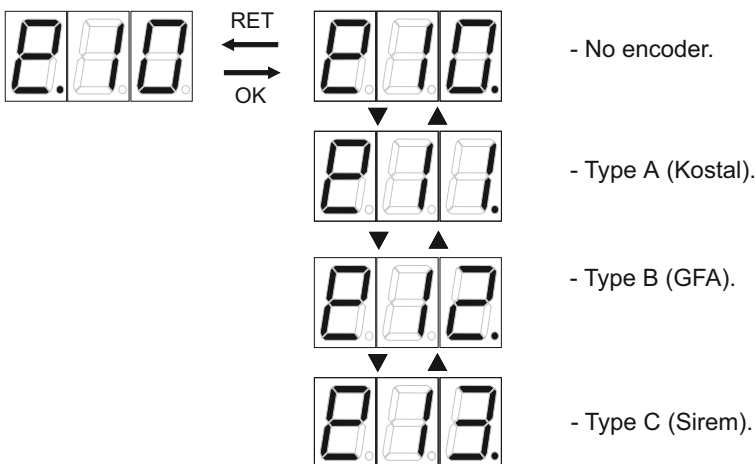


**Software version:**



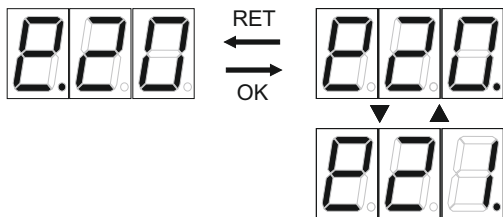
**9.6 ENCODER (e.\_)**

**Absolute encode type:**



→ OK Saved parameter

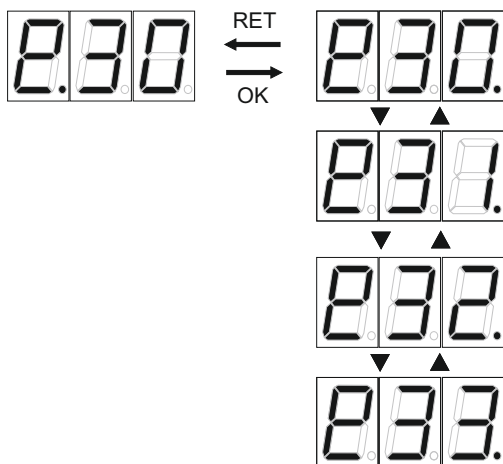
**Intermediate stop setup:**



- No.
- Yes, memorize.

→ OK Saved parameter

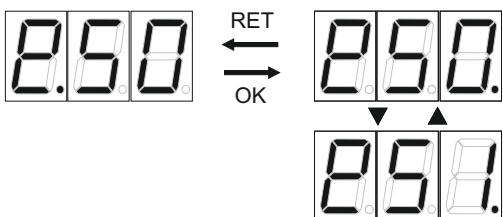
**Intermediate stop option:**



- No.
- Relay 3.
- Relay 4.
- Reserved.

→ OK Saved parameter

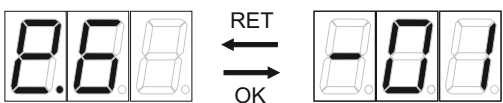
**Disable photocell at opening:**



- No.
- Yes.

→ OK Saved parameter

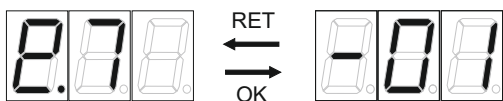
**Limit Switch Close (LSC) fine adjustment:**



- Fine adjustment from -7 to 7. **Negative** value to adjust before and **positive** value to adjust after the programmed LSC.

→ OK Saved parameter

**Limit Switch Open (LSO) fine adjustment:**



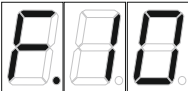
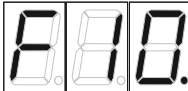
- Fine adjustment from -7 to 7. **Negative** value to adjust before and **positive** value to adjust after the programmed LSO.

→ OK Saved parameter

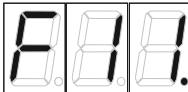
**7.8 FLASH (F.\_)**

**Flash when door opening:**


RET  
←  
OK →

  - No.


▼ ▲

 - Yes.

▼ ▲

 - Turn signal.



▼ ▲

 - Reserved.


→ OK Saved parameter

**Flash door opened:**


RET  
←  
OK →

  - No.


▼ ▲

 - Yes.

▼ ▲

 - Turn signal.



▼ ▲

 - Reserved.


→ OK Saved parameter

**Flash door closing:**


RET  
←  
OK →

  - No.


▼ ▲

 - Yes.

▼ ▲

 - Turn signal.



▼ ▲

 - Reserved.


→ OK Saved parameter

**Pre-flashing option:**

RET  
←  
OK →

  - No.

▼ ▲

 - Yes.

→ OK Saved parameter

**TECHNICAL SPECIFICATIONS**

Power supply	230/380V AC +/- 10% triphase
Door motor	230/380V 3PH
Door motor power	1CV (1.5 to 2.5A)
Dock motor	230/380v Triphase
Dock motor power	2-3CV (2.5A to 5.5A)
Accessoires power supply	12V/24Vdc / 24VAC
Garage door contact type	Power free contact
Flashing light output	230V 10A
Working time	From 8 sec to 80 sec
Automatic closing time	From 5 sec to 120 sec
Radio Card	Optional
Loop Detector Card	Optional
Photocell inhibitor card	Optional
NFC card	Optional
Interlock card	Optional
Working temperature	-20 to 85°C

DECLARACION DE CONFORMIDAD CE  
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**WARNING!!**

- Equipment installation and start-up, can only be executed by qualified personal.



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