EN

POWER GT

31/01/20

1. APPLICATIONS

Control panel for 1 motor at 230 or 380 Vac single-phase or three-phase with neutral, it has power stage with safety contactors, it is available with magnetic motor circuit breaker, finished industrial or domestic housings. It is compatible with WIRELESSBAND system.

Supports:
- DMT: Magnetic selector card /safety int. / opening.
- SRT BAND: WIRELESSBAND system receiver card for resistive / optical safety edge.
- SRT: Radio card receiver for 433 or 868 Mhz radio transmitters.

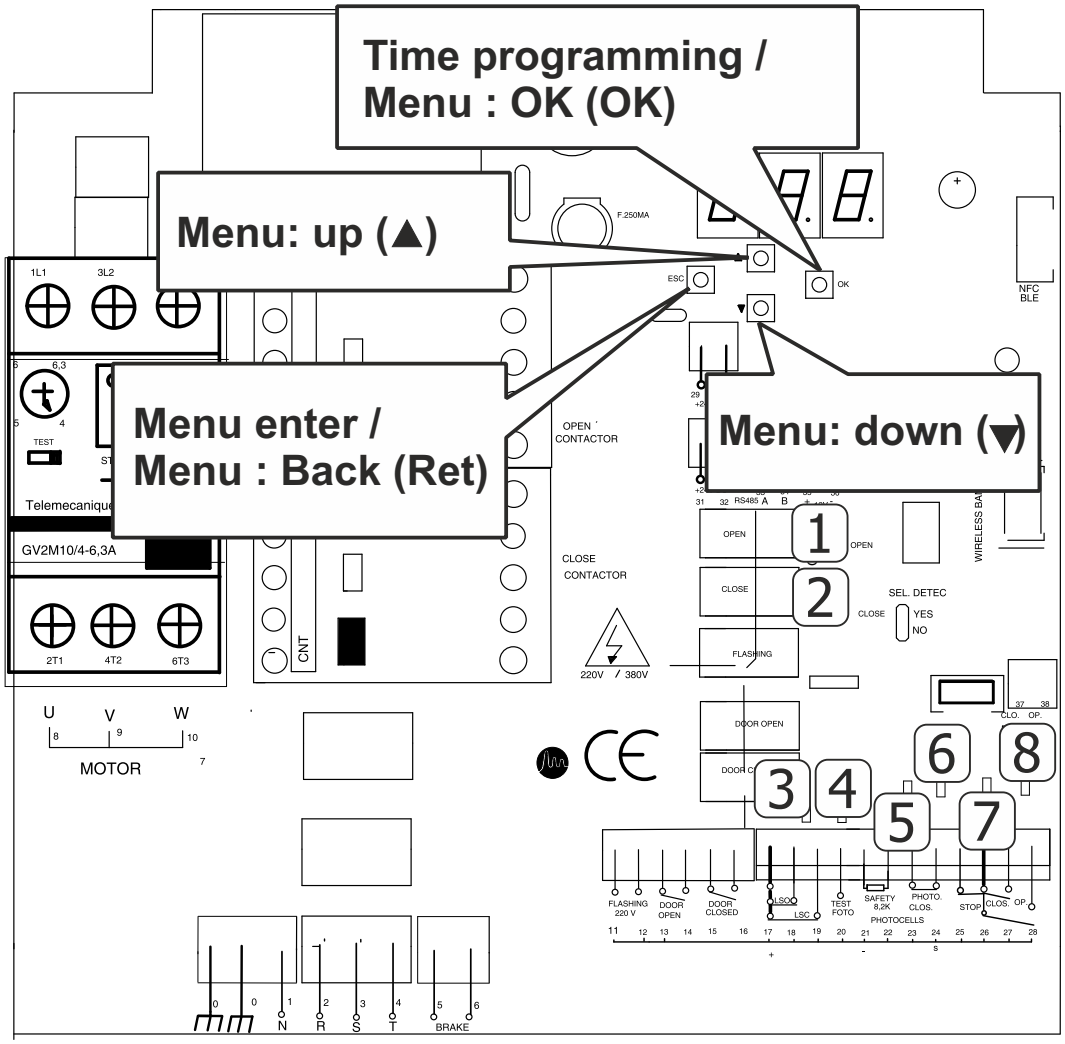
2. SETTING UP INSTRUCTIONS

- The control unit can be activated by Test CI, P.ABRIR(26-28) or via the radio card. Manoeuvres can be finalised via the following: limit switch activation, end of working time or by encoder .
- Pressing the STOP (25-26) button stops the door. It is necessary to push OPEN or CLOSE buttons to reactivate the operation.

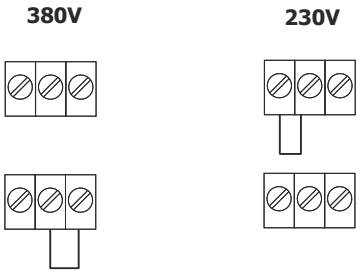
3. CONNECTIONS

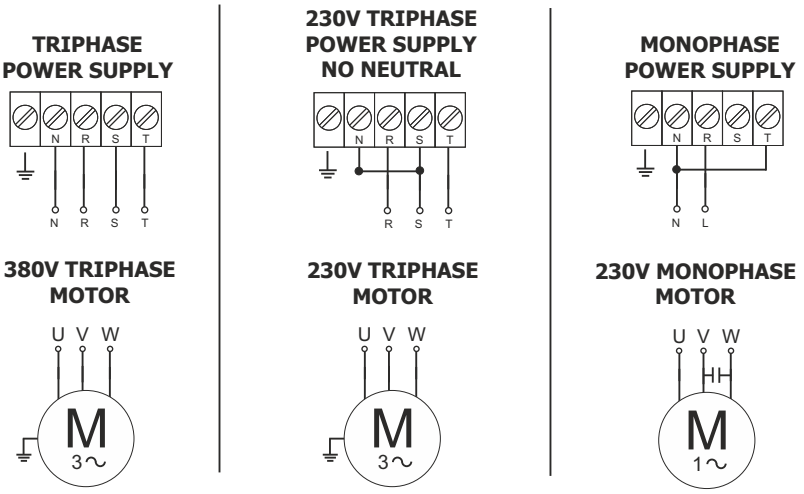
LEDS:

1. Open
2. Close
3. Limit Switch Open
4. Limit Switch Close
5. Close safety
6. Stop
7. Close push button
8. Open push button

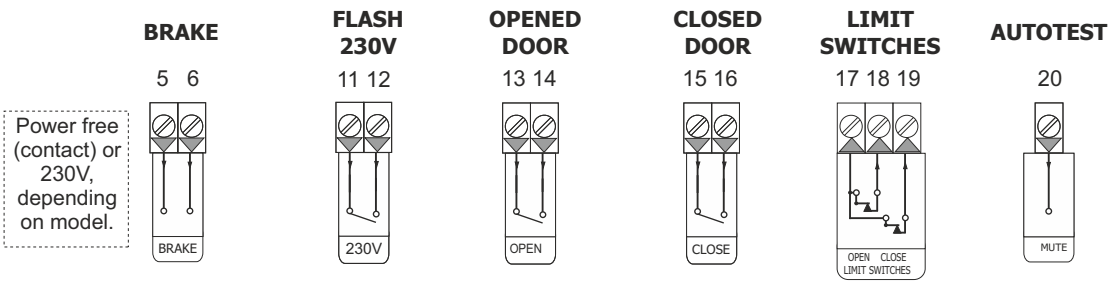


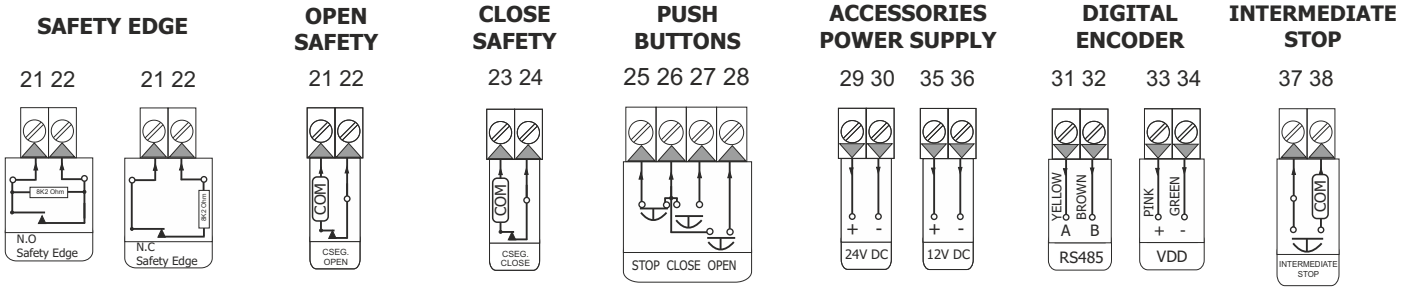
3.1 POWER SUPPLY & MOTOR CONNECTIONS





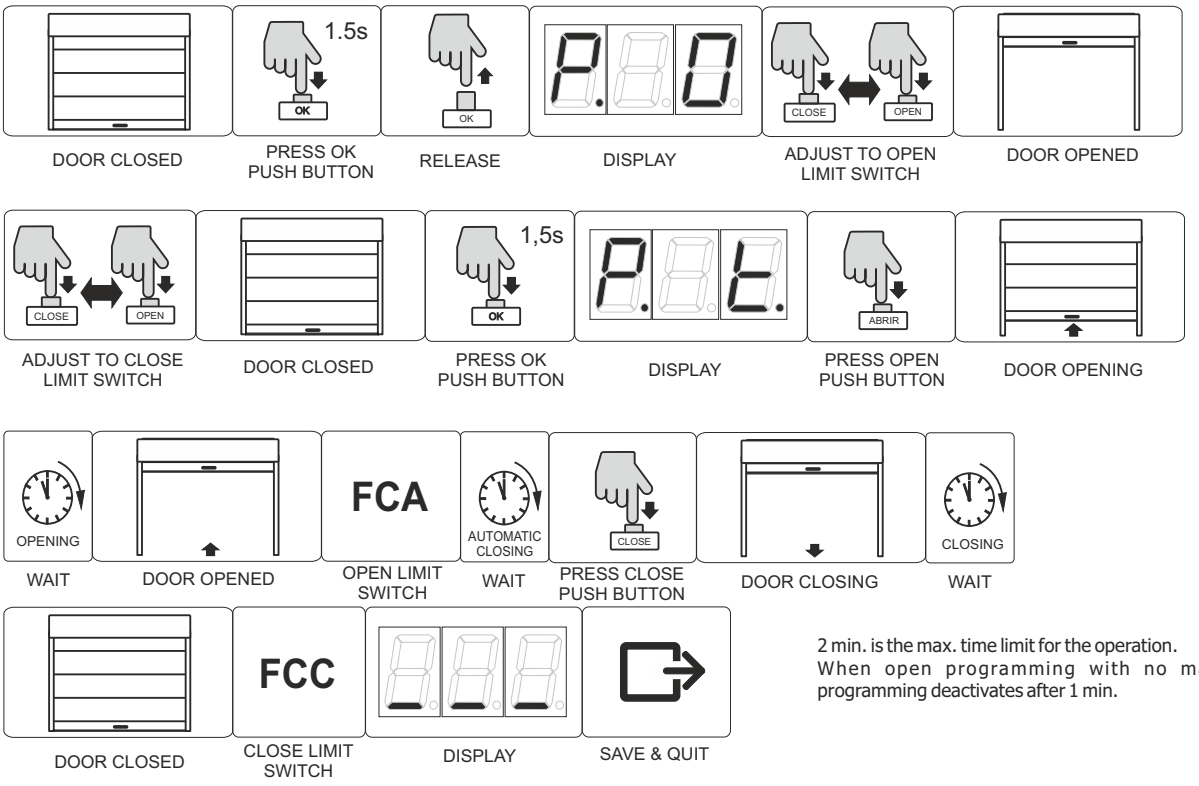
3.2 TERMINAL CONNECTIONS





3.3 LOOP DETECTOR

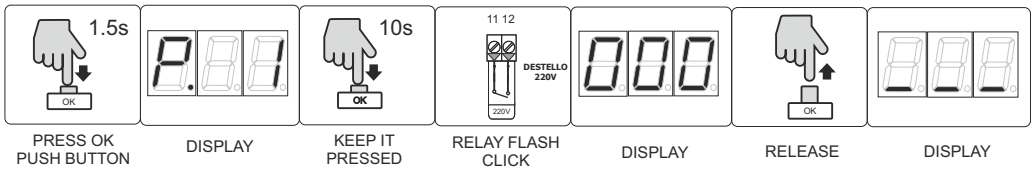
4. DIGITAL TIME PROGRAMMING



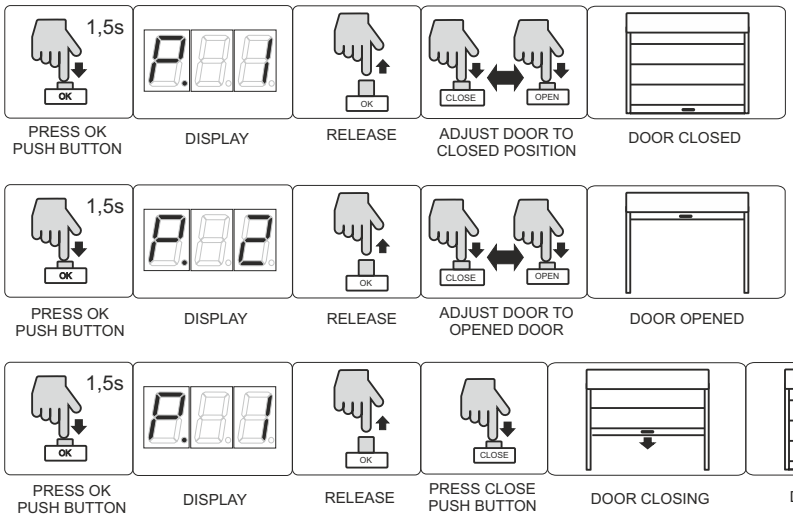
2 min. is the max. time limit for the operation.
When open programming with no manoeuvre, programming deactivates after 1 min.

5. ENCODER TIME PROGRAMMING (select encoder type e.1)

- Reset (always before programming process):



- Programming process:

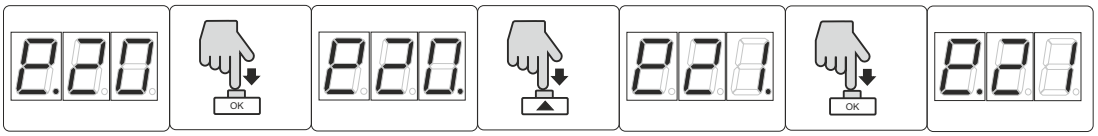


* Open and Close push buttons will be used to adjust the door position. If there aren't any push button connected, connect N.O. push buttons to the terminals 26-28 (Open) and 26-27 (Close).

*** Important:** Once encoder position is memorized, carry out 3 complete manoeuvres to compensate possible door imbalance.

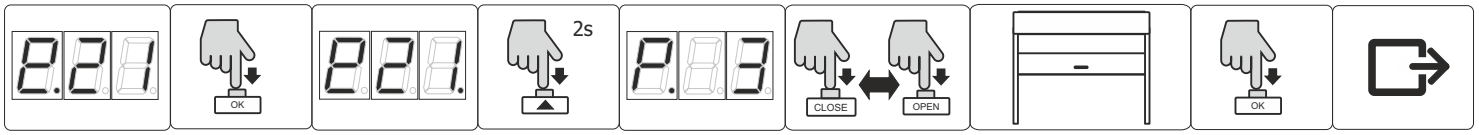
5.1 INTERMEDIATE STOP TIME PROGRAMMING (WITH ENCODER)

Set parameter e.2 = 1:



DISPLAY | PRESS OK PUSH BUTTON | DISPLAY | PRESS MENU UP PUSH BUTTON | DISPLAY | PRESS OK PUSH BUTTON | SAVED PARAMETER

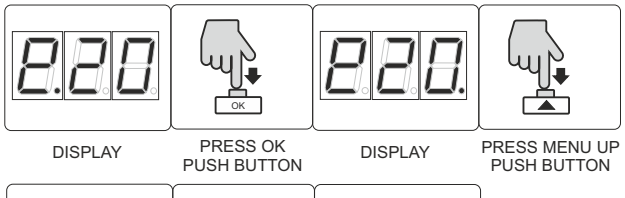
Back to parameter e.2 to begin the intermediate stop time programming:



DISPLAY | PRESS OK PUSH BUTTON | DISPLAY | PRESS MENU UP PUSH BUTTON | DISPLAY | ADJUST TO INTERMEDIATE STOP POSITION | DOOR OPEN UNTIL INTERMEDIATE STOP | PRESS OK PUSH BUTTON | SAVE & EXIT

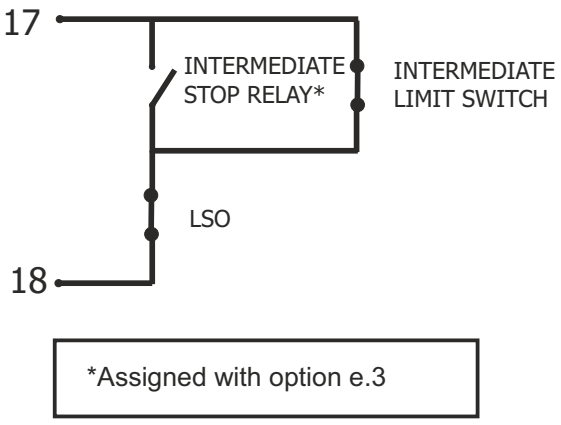
5.2 INTERMEDIATE STOP CONNECTIONS (WITHOUT ENCODER)

Set parameter e.2 = 1:



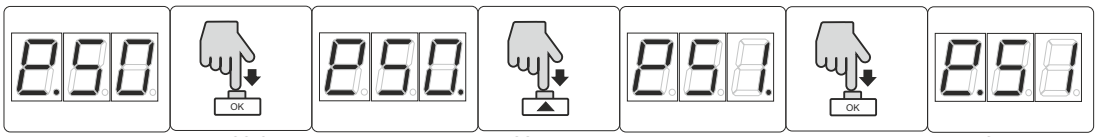
DISPLAY | PRESS OK PUSH BUTTON | DISPLAY | PRESS MENU UP PUSH BUTTON

DISPLAY | PRESS OK PUSH BUTTON | SAVED PARAMETER



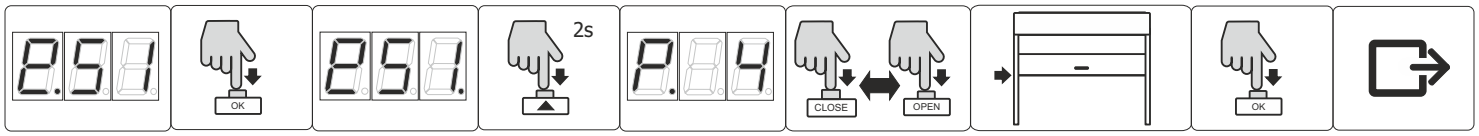
5.3 DISABLE PHOTOCELL AT OPENING PROGRAMMING PROCESS (WITH ENCODER)

Set parameter e.5 = 1:



DISPLAY | PRESS OK PUSH BUTTON | DISPLAY | PRESS MENU UP PUSH BUTTON | DISPLAY | PRESS OK PUSH BUTTON | SAVED PARAMETER

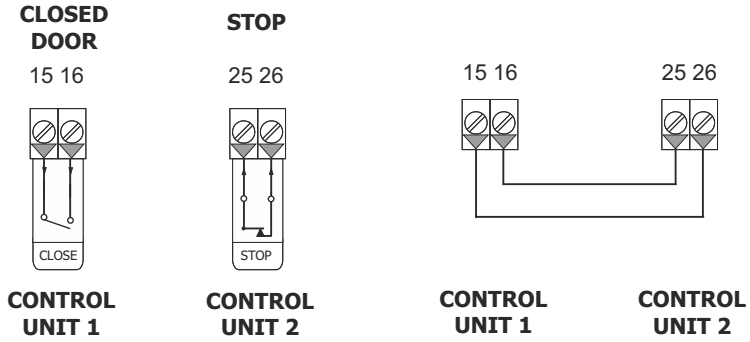
Back to parameter e.5 to begin the disable photocell start position programming:



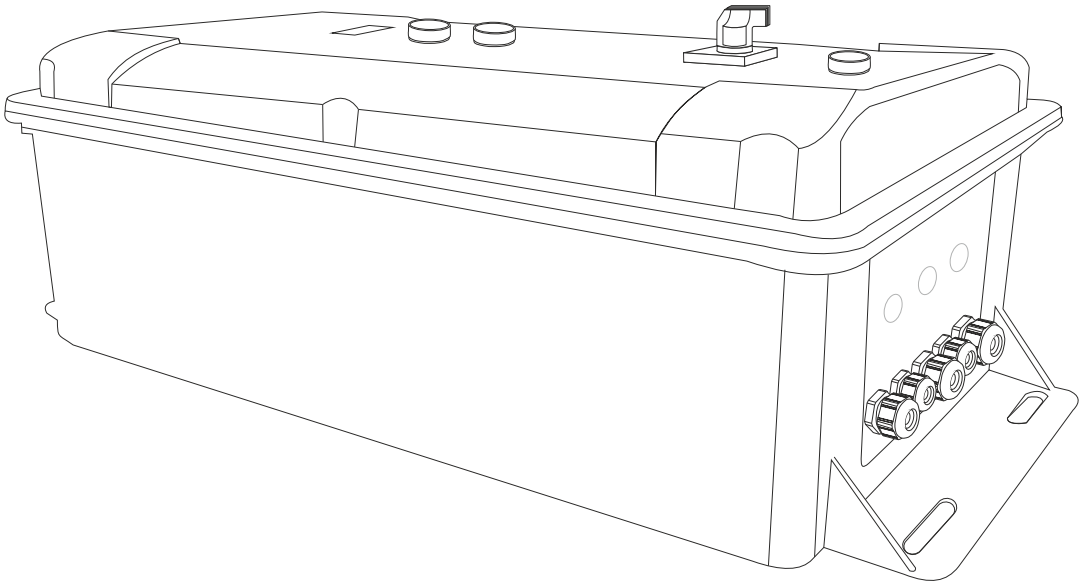
DISPLAY | PRESS OK PUSH BUTTON | DISPLAY | PRESS MENU UP PUSH BUTTON | DISPLAY | ADJUST TO DISABLE PHOTOCELL START POSITION | DISABLE PHOTOCELL START DOOR POSITION | PRESS OK PUSH BUTTON | SAVE & EXIT

6. INTERLOCK FUNCTION

- Prevent two doors from being opened at the same time

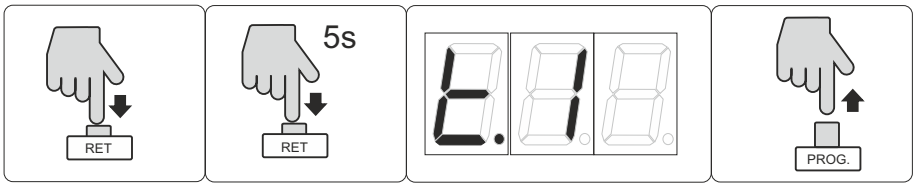


7. HOUSING



8. MENU

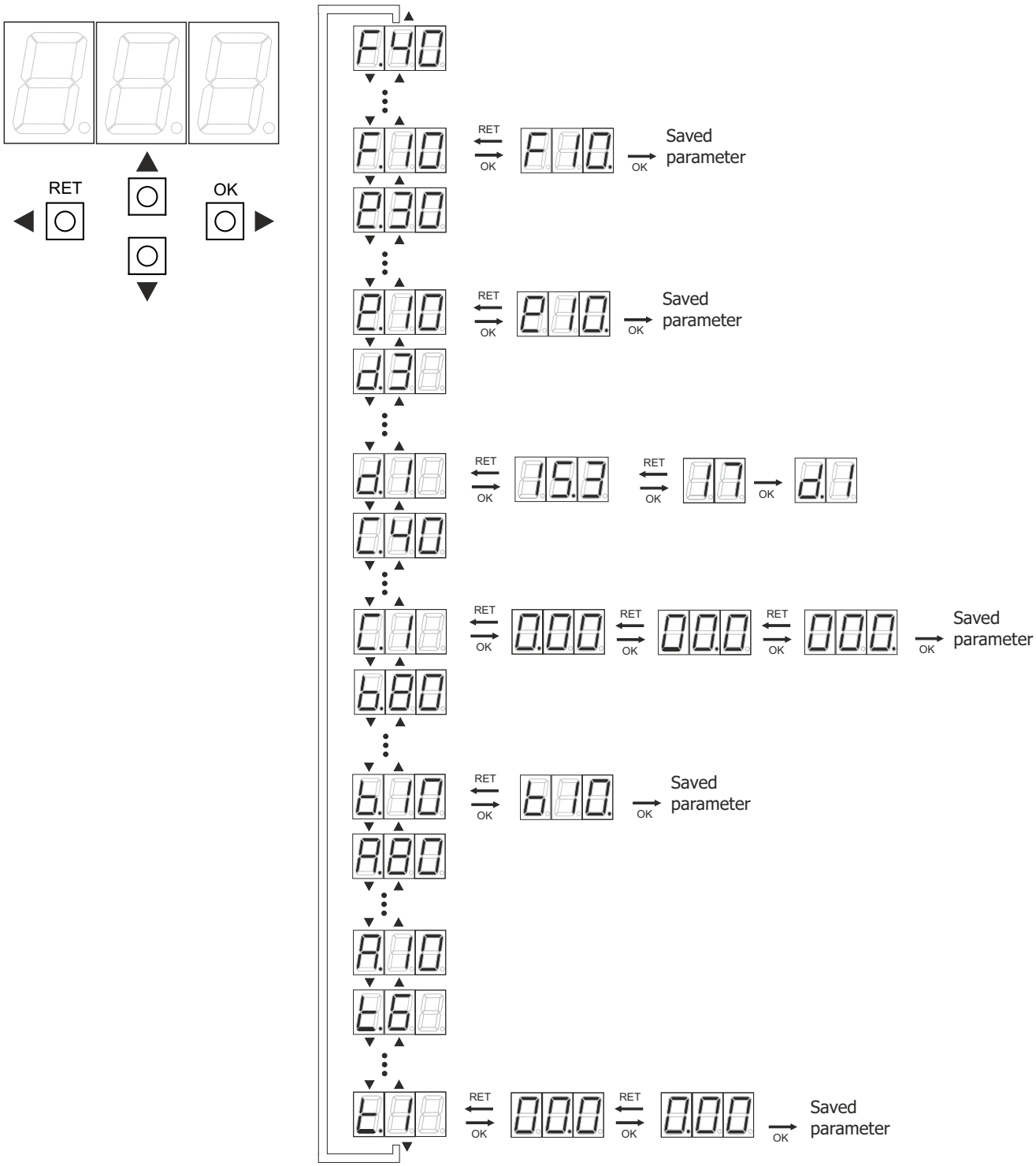
8.1 ENTER TO MENU MODE



PRESS RET PUSH BUTTON | KEEP IT PRESSED | DISPLAY | RELEASE

8.2 MENU ORGANIZATION

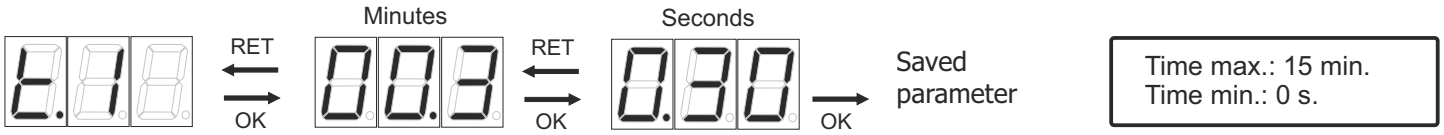
Navigation:



9. MENU PARAMETERS SET UP

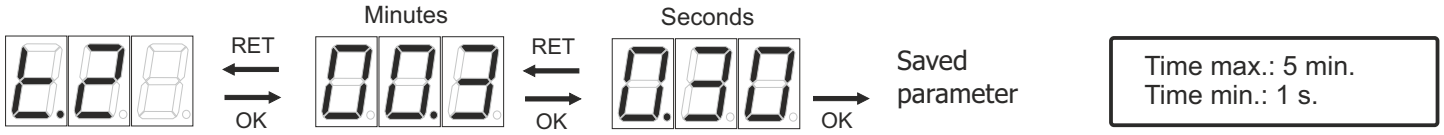
9.1 TIMES (t._)

Automatic closing time:



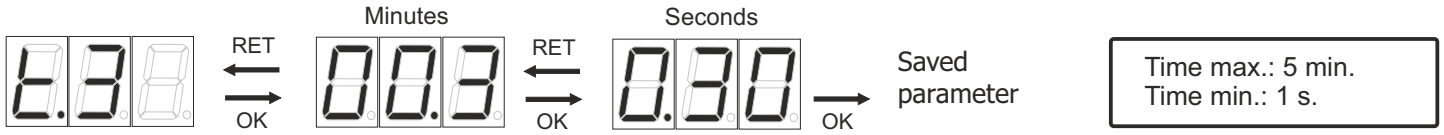
Time max.: 15 min.
Time min.: 0 s.

Opening time:



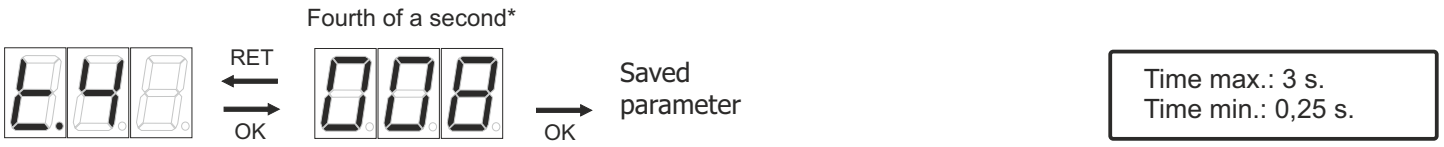
Time max.: 5 min.
Time min.: 1 s.

Closing time:



Time max.: 5 min.
Time min.: 1 s.

Invert time:

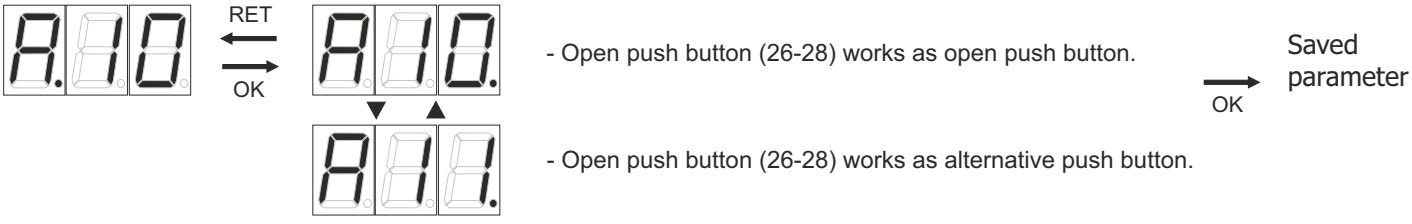


Time max.: 3 s.
Time min.: 0,25 s.

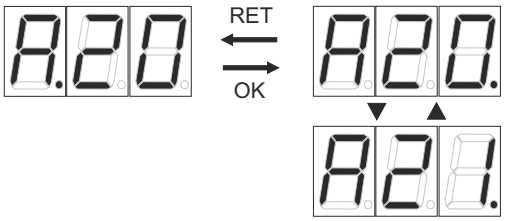
*Every unit represents 0.25 seconds.

9.2 FUNCTIONS (A._)

Open push button (26-28):



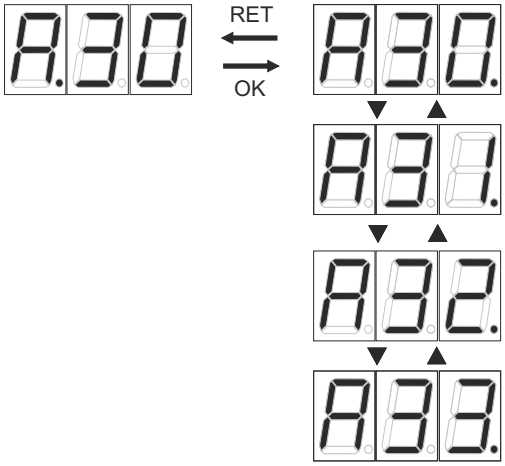
Disabling stop when opening:



- No.
- Yes.

OK → Saved parameter

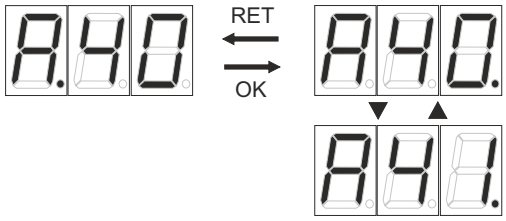
Dead man:



- Never.
- When closing.
- When opening.
- Always.

OK → Saved parameter

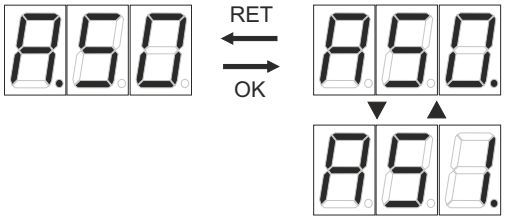
Photocell for opening (21-22):



- Stop the maneuvre.
- Stop and go the maneuvre.

OK → Saved parameter

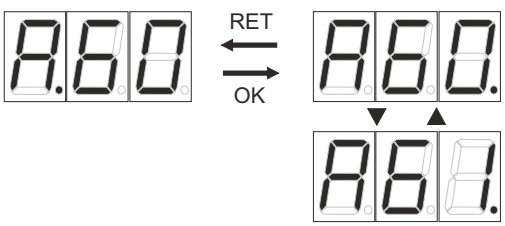
Resistive safety edge when opening:



- Stop and invert when closing.
- Stop and invert 1 second when closing.

OK → Saved parameter

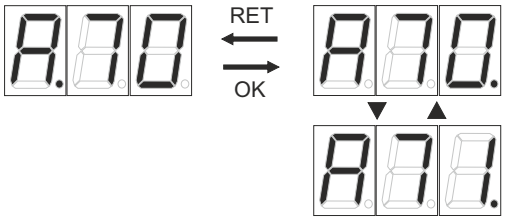
Resistive safety edge when opening:



- Nothing.
- Stop and invert 1 second when opening.

OK → Saved parameter

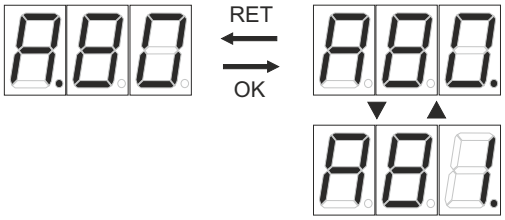
Photocell 1 / Safety Edge input (21-22):



- Works as a photocell when opening.
- Works as 8K2 safety edge.

OK → Saved parameter

Door contacts indicator:

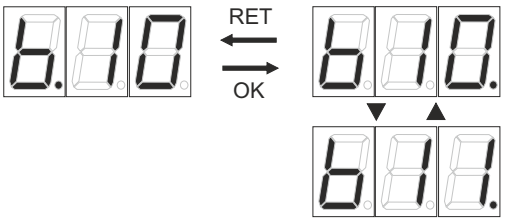


- Normally open (N.O.).
- Normally closed (N.C).

OK → Saved parameter

9.3 FUNCTIONS (B._)

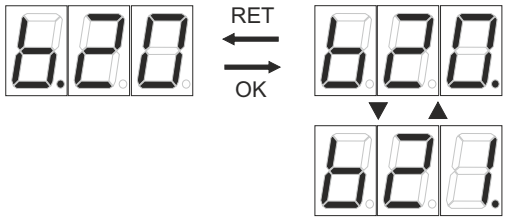
Photocell when door open (23-24):



- Restore automatic closing time deactivated.
- Restore automatic closing time.

OK → Saved parameter

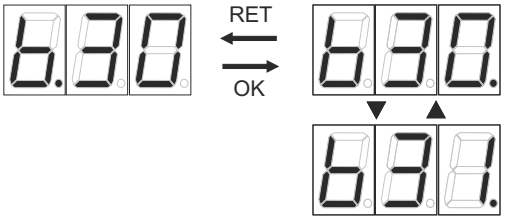
Open push button when door open (26-28):



- Restore automatic closing time deactivated.
- Restore automatic closing time.

OK → Saved parameter

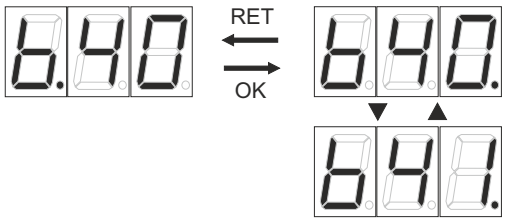
Activation resistive edge (8K2) / mechanical (NC) (29-30):



- Restore automatic closing time deactivated.
- Restore automatic closing time.

OK → Saved parameter

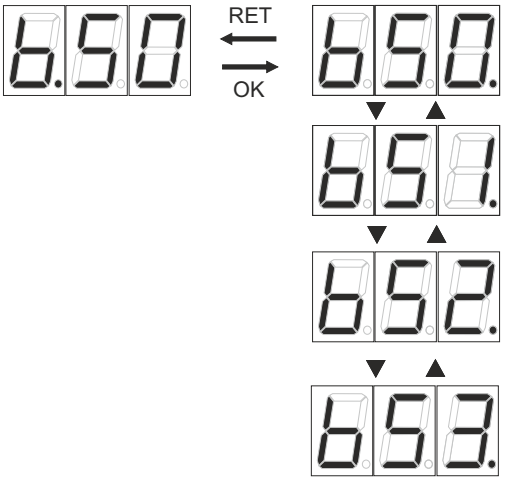
Activation safety edge input (29-30):



- Restore automatic closing time deactivated.
- Restore automatic closing time.

OK → Saved parameter

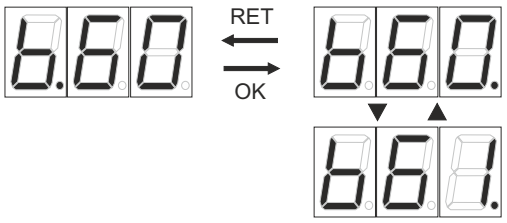
Closing for photocell (31-32):



- No.
- Immediate.
- 3 seconds delay.
- Reservaded.

OK → Saved parameter

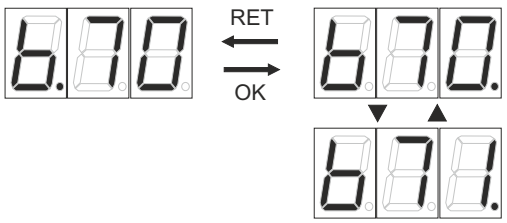
Photocell inhibition when closing:



- No.
- Yes.

OK → Saved parameter

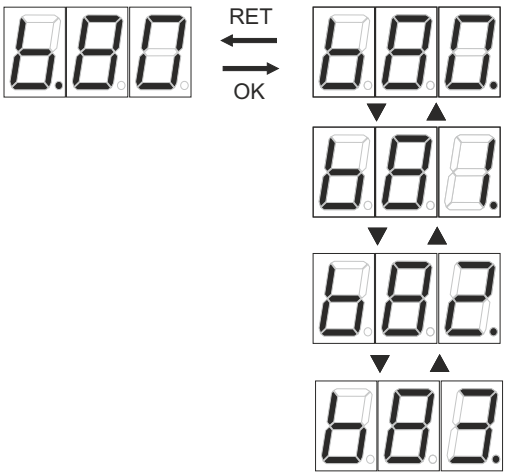
Photocell inhibition when opening:



- No.
- Yes.

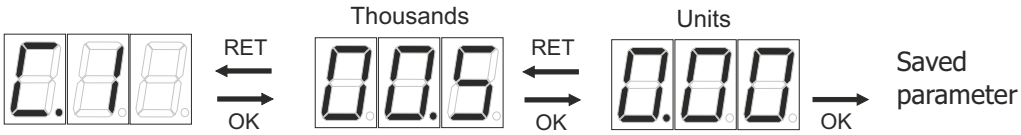
OK → Saved parameter

Photocell test:



9.4 MAINTENANCE (C._)

Cycle limit for maintenance:

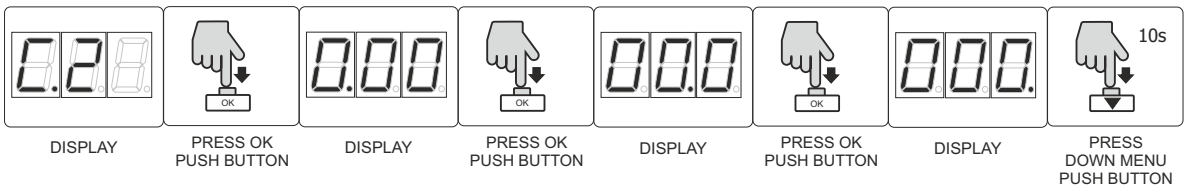


Maximum: 99900
Minimum: 100

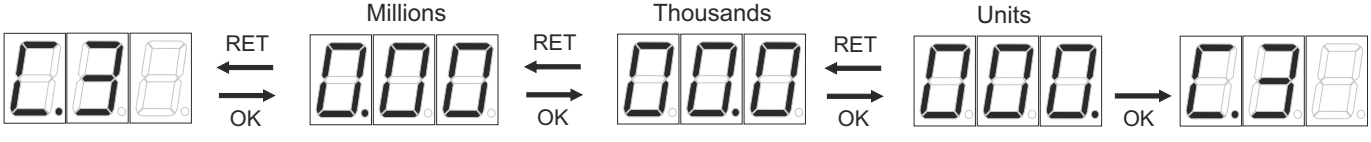
Cycle counter trip:

Maximum: 16777216

Reset counter:

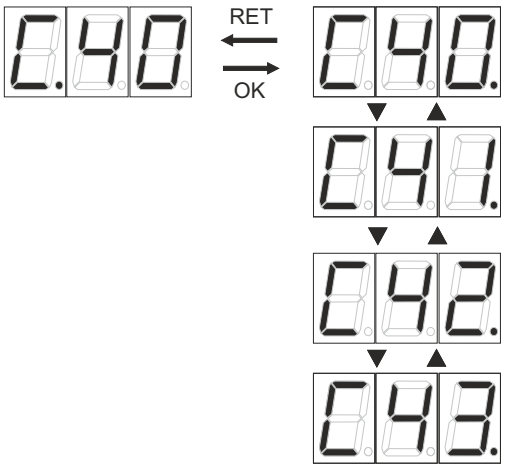


Total cycle counter:



Maximum: 16777216

Maintenance warning:

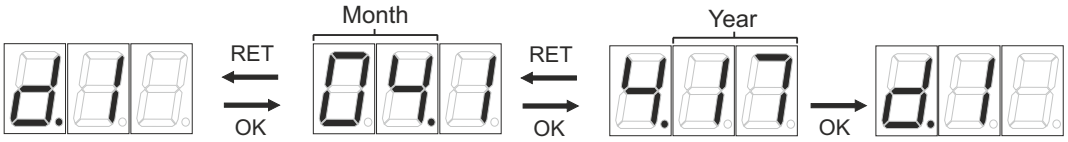


- Nothing.
- Flash.
- Dead man.
- Reserved.

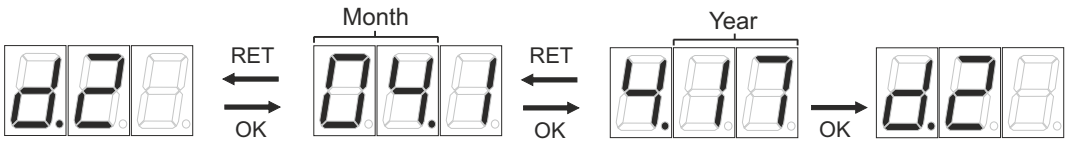
OK → Parámetro guardado

9.5 CONTROL UNIT INFORMATION (d._)

Production date:



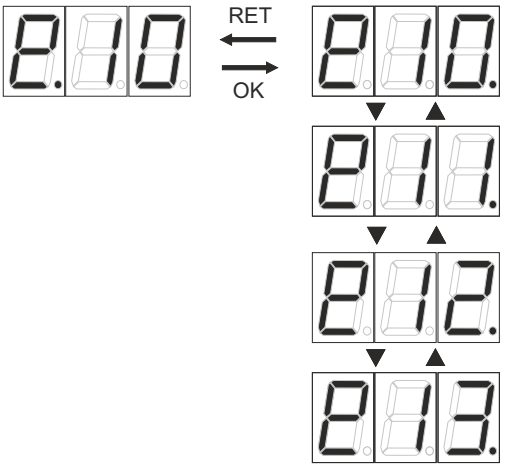
Last maintenance date:



Software version:

9.6 ENCODER (e._)

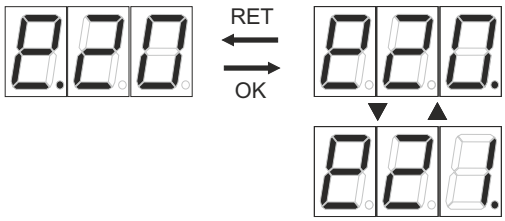
Absolute encode type:



- No encoder.
- Type A (Kostal).
- Type B (GFA).
- Type C (Sirem).

OK → Saved parameter

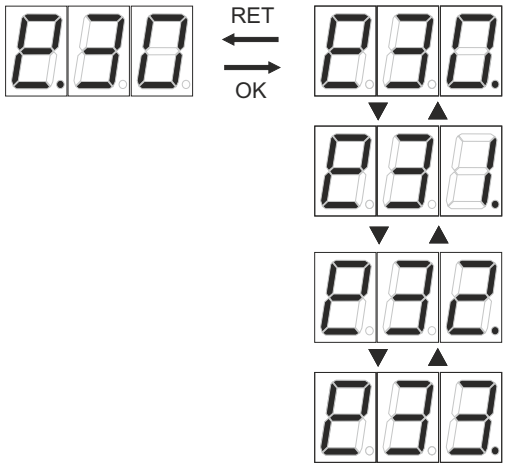
Intermediate stop setup:



- No.
- Yes, memorize.

→ OK Saved parameter

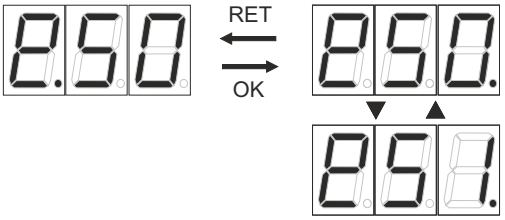
Intermediate stop option:



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

→ OK Saved parameter

Disable photocell at opening:

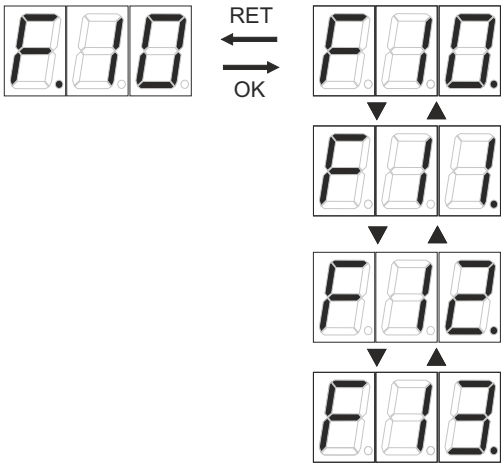


- No.
- Yes.

→ OK Saved parameter

9.7 FLASH (F._)

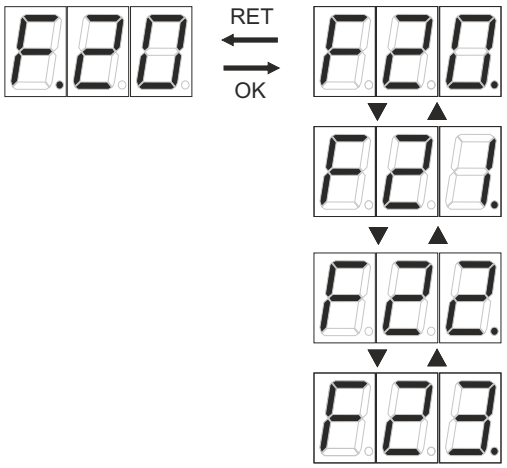
Flash when door opening:



- No.
- Yes.
- Turn signal.
- Reserved.

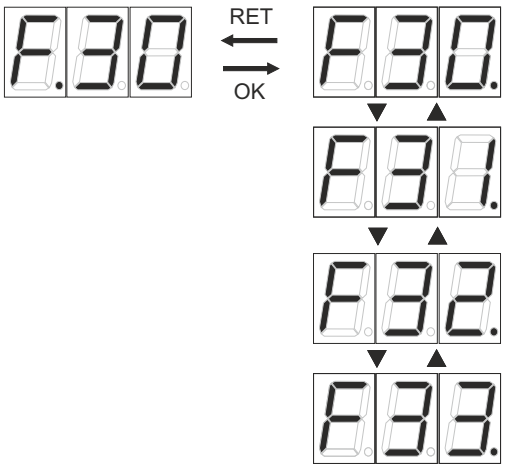
→ OK Saved parameter

Flash door opened:



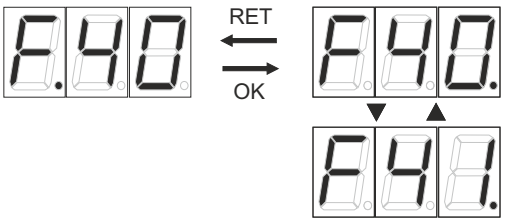
OK → Saved parameter

Flash door closing:



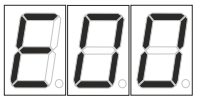
OK → Saved parameter

Pre-flashing option:

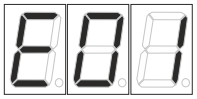


OK → Saved parameter

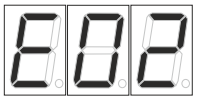
9.8 ERRORS (E._)



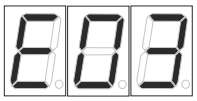
- Limit switches common error.



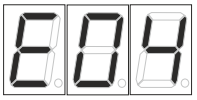
- Photocell open / edge error (21-22).



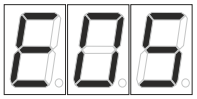
- Photocell close error (23-24).



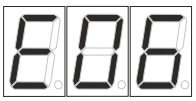
- Loop detector error.



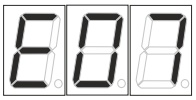
- Stop (25-26) error.



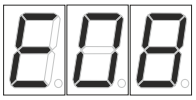
- Cover stop push button error.



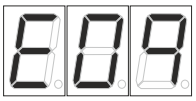
- Safety edge activated (via radio) error.



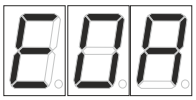
- Open push button error (26-28).



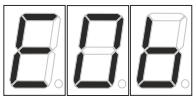
- Close push button (26-27).



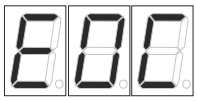
- Encoder error (no answer).



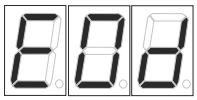
- Phase shift error (encoder).



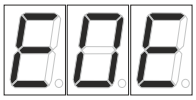
- Limit position NOT saved.
*for digital time programming please see point 5



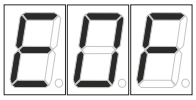
- Communication error (encoder).



- Door maintenance notice. Reset with parameter C2.



- Photocell / edge test error.



- Encoder error (magnet not detected).

TECHNICAL SPECIFICATIONS	
Power Supply	380/220V AC +/- 10%
Drive	220V / 380V 3HP
Max Drive Power	1.5HP / 3HP
Power Supply for accessories	12V DC 250mA / 24V DC 250mA
Garage door output type	Power free contact
Flashing light output	220V 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
Working Temperature	-20 to 85º

CE DECLARATION OF CONFORMITY
For more information visit the website www.aerf.eu

WARNING!!

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

AERF® developers & manufacturers

CE