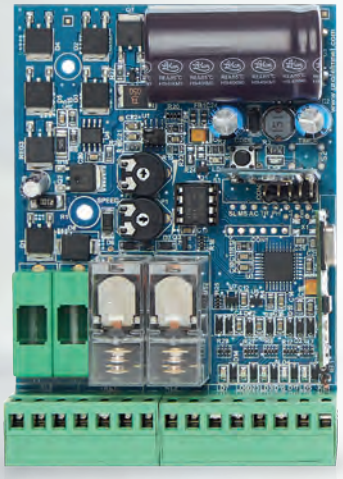
Profelmnet

THE POWER TO MOVE



EASY TECH app

5050

USER MANUAL

THE POWER TO MOVE

NEW SERIES 50

Series 50 is a complete series of PROFELMNET control boards, with integrated Bluetooth technology. Compatible with Profelmnet Easy Tech application that is available in IOS and Android. The installer is able to access and adjust all the functions of the control board through the smartphone, tablet or laptop.

The models of series 50 are :

5033 control board for sliding and swing gate, roller shutter, barrier 230VAC

5050 control board for sliding amd swing gate, barrier, pergolas 24VDC

5114 control board for double motors 230VAC

5150 control board for double motors 24VDC

CE Declaration of Conformity

The manufacturer **L. PSARROS & SIA OE** declares that the products **5050, 5033, 5114, 5150** are according to European Directives requirements of **RADIO EQUIPMENT DIRECTIVE (RED) 2014/53/EU and ELECTROMAGNETIC COMPATIBILITY EMC 2004/108/EC**

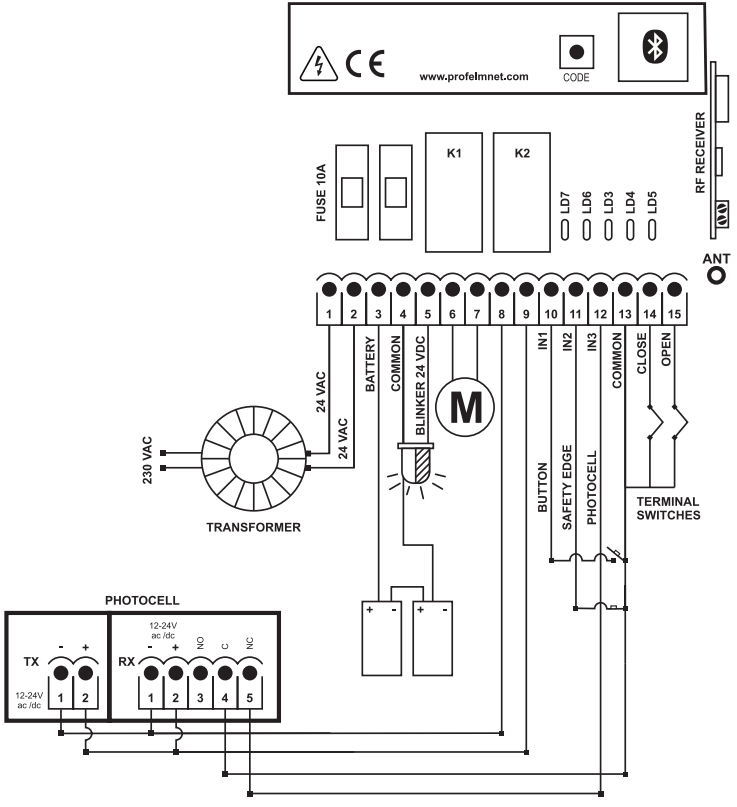
Labros Psarros

Electronics Engineer
Technical Director

Warning for the installer

1. ATTENTION! To ensure the safety of people, it is important that you read all the following instructions. Incorrect installation or incorrect use of the product could cause serious harm to people
2. Carefully read the instructions before beginning to install the product
3. This product was designed and built strictly for the use indicated in this documentation Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger
4. Store these instructions for future reference
5. Before attempting any job on the system, cut out electrical power
6. Make sure that a differential switch with threshold of 0.03 A is fitted upstream of the system
7. Do not in any way modify the components of the automated system
8. Do not allow children or adults to stay near the product while it is operating
9. Keep remote controls or other pulse generators away from children, to prevent the automated system from being activated involuntarily
10. The user must not attempt any kind of repair or direct action whatever and contact qualified personnel only
11. Profelmnet as a manufacturer reserves the right to make changes to the product without notice
12. Anything not expressly specified in these instructions is not permitted

5050 Wiring diagram for automation of sliding and swing gate, barrier, pergola 24VDC



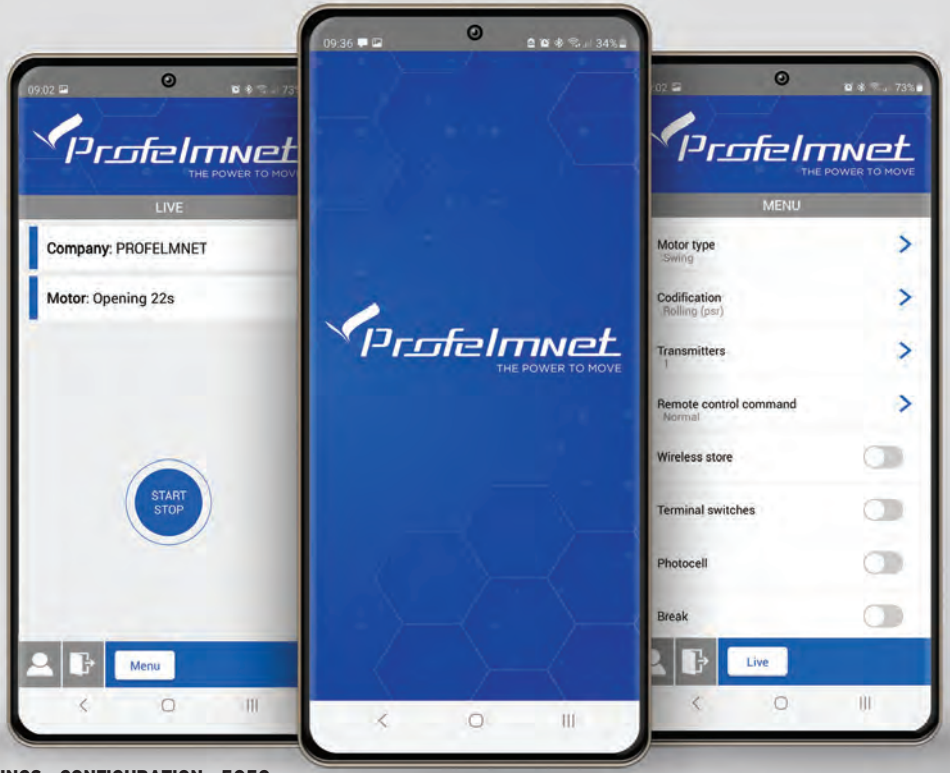
TECHNICAL CHARACTERISTICS

Power supply	24VAC
Max. Motor power	200W
Box dimensions	9.5cm X 4.5cm X 13cm
Control board dimensions	7.5cm X 3cm X 10.5cm
Fuse 24VAC	10A
Battery fuse	10A
Blinker power supply	24VDC /500mA
Photocell power supply	24VAC
Battery type	2 X12V /6Ah in
Type of transformer	Toroidal 20-24VAC /130VA
Remotes memory	Removable memory up to 300 remotes
Temperature	-20oC + 60oC

ELECTRICAL CONNECTIONS

1	+ 20VAC
2	-20VAC
3-4	Battery
4	Common Battery & Blinker Light
5-4	Blinker light
6	Motor close
7	Motor open
8	Not used
9	Not used
10+13	Button - N.O
11+13	Safety edge - N.C
12+13	Photocell - N.C
13	Common accessories & terminal switches
14 +13	Close terminal switches - N.C
15 +13	Open terminal switches - N.C

ACTIVATE INTERNET AND BLUETOOTH OF YOUR DEVICE
DOWNLOAD THE PROFELMNET EASY TECH APPLICATION



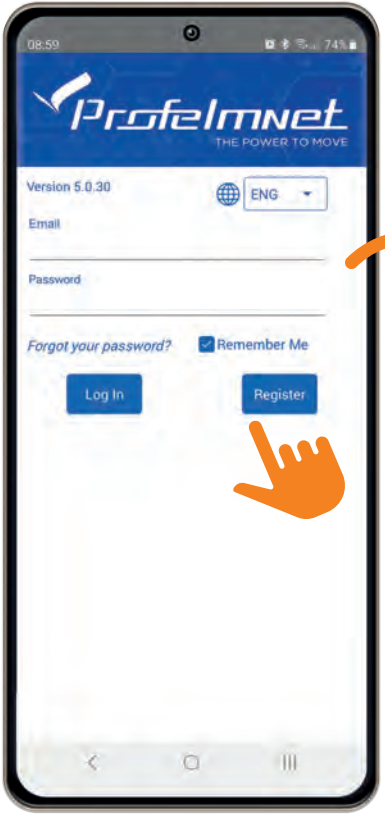
ProfelmNet
Easy Tech

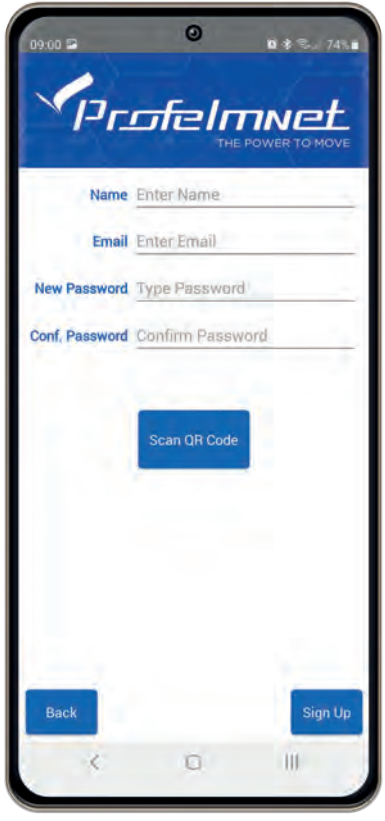
Download on the App Store

GET IT ON Google play

REGISTER

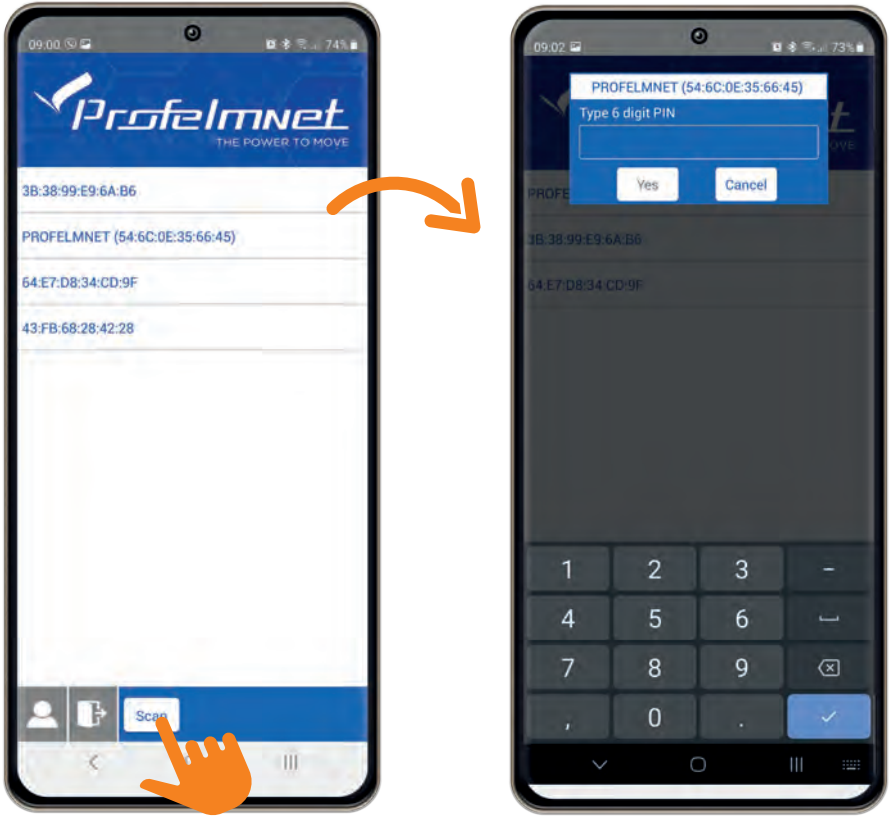
FOLLOW THE STEPS TO REGISTER





1. **Choose the language**
2. **Press Register** & fill in your personal data
3. **Scan QR code.** Find the QR code on the board & scan it
4. **Press sign up** to finish

CONNECTION with the board

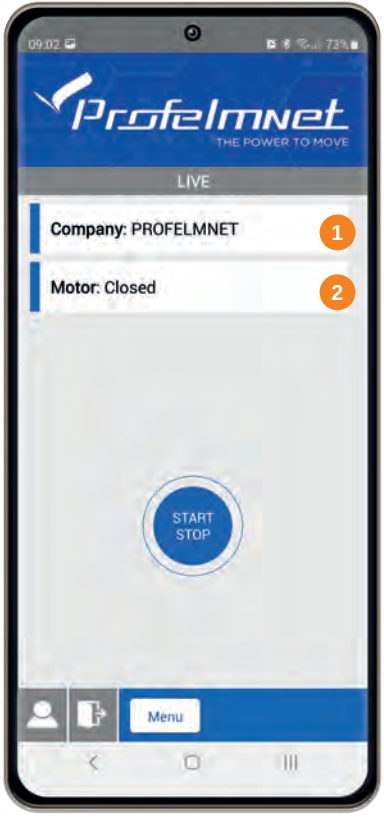


1. **Press scan** to find the **PROFELMNET** device
2. Choose the PROFELMNET device
3. Type the **6 Digit PIN**

   During the first conection, type OOOOOO PIN and then type your personal 6-digit PIN.

The PIN code is your personal security number. Without this PIN code, you can not access the board. Avoid using simple easy PIN codes (i.e 111111)

LIVE SCREEN



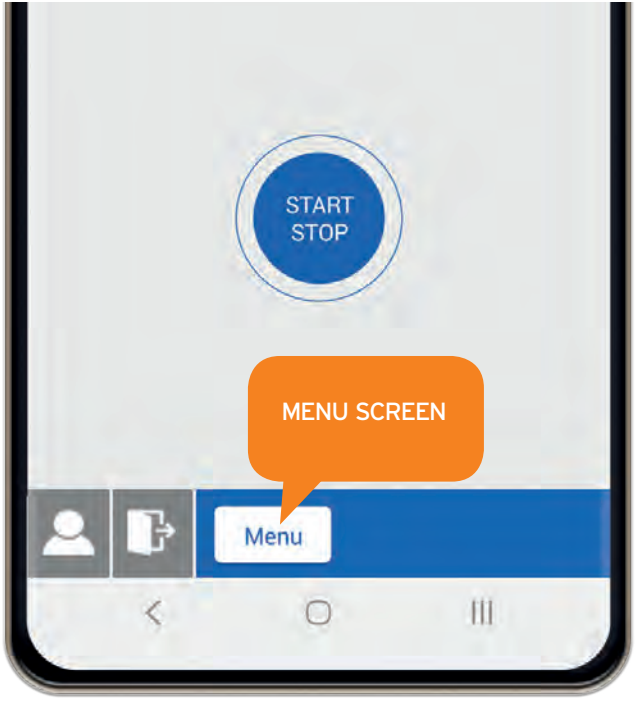
1 **Company:**
Board Supplier

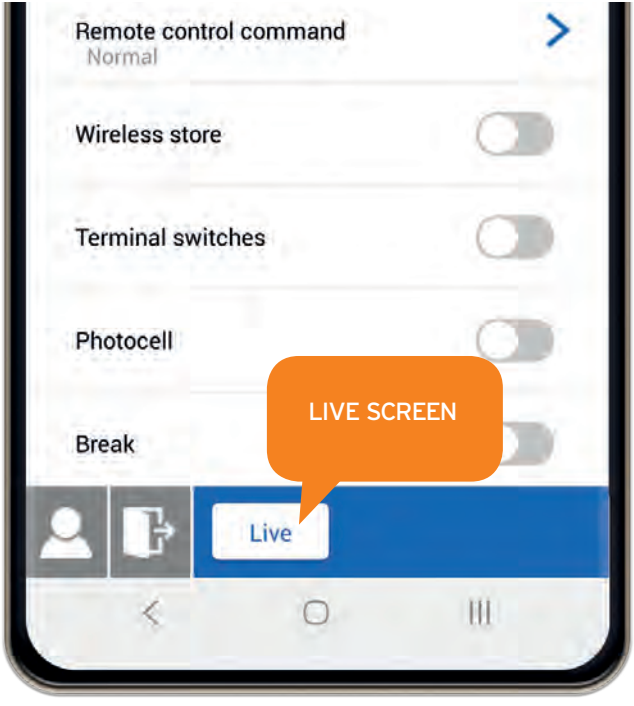
2 **Motor:**
Installation Info

USER PROFILE:

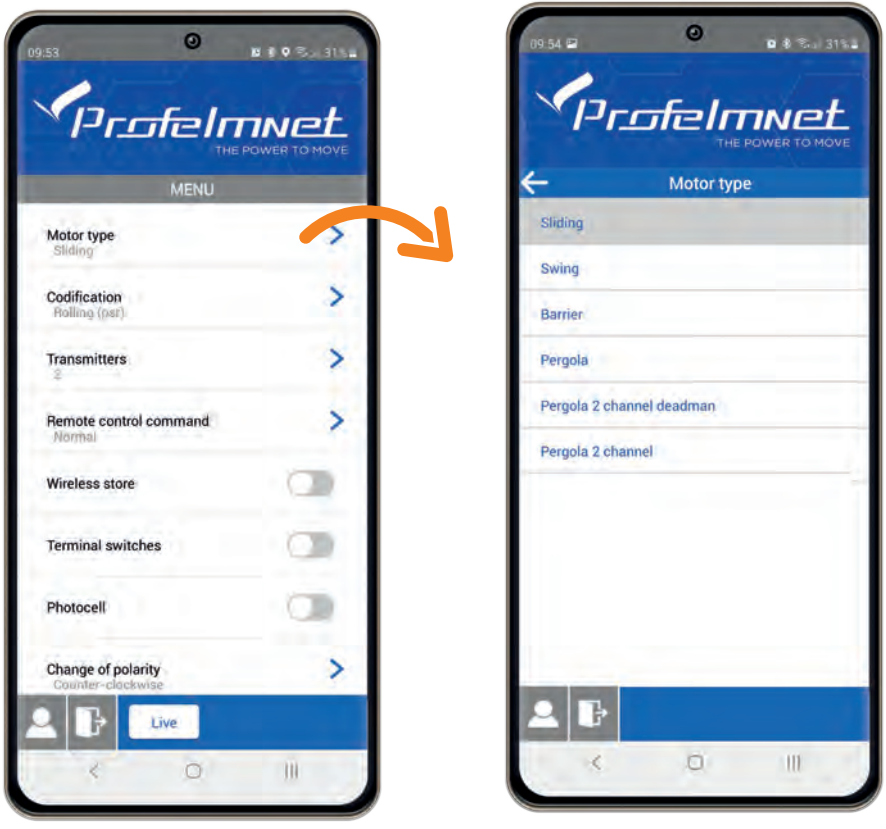
Edit your personal data

SWITCH LIVE SCREEN TO MENU SCREEN



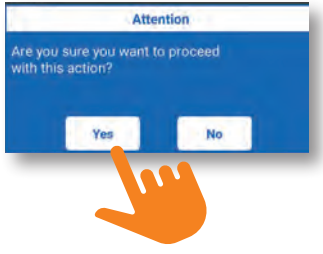


MENU: Motor Type

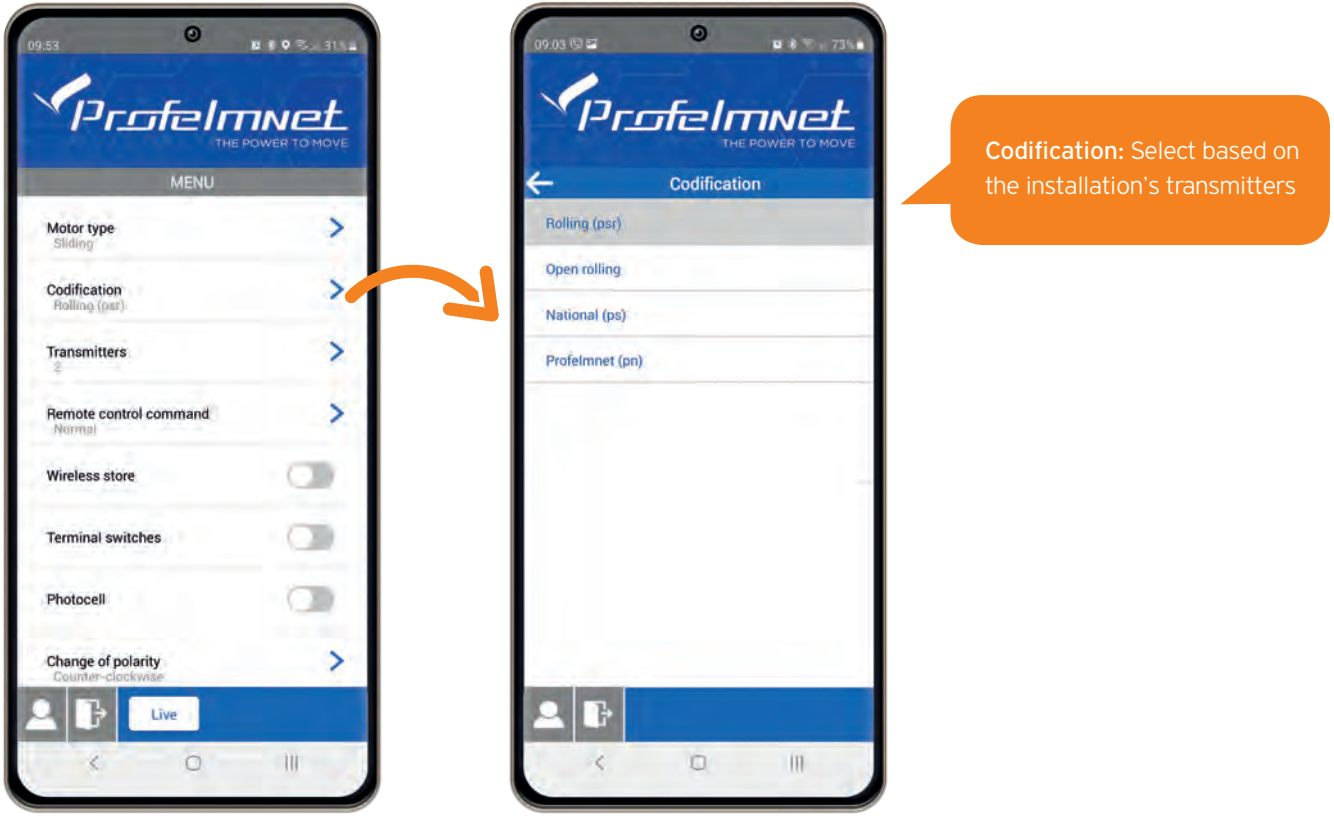


Select based on the installation

SELECTION CONFIRMATION



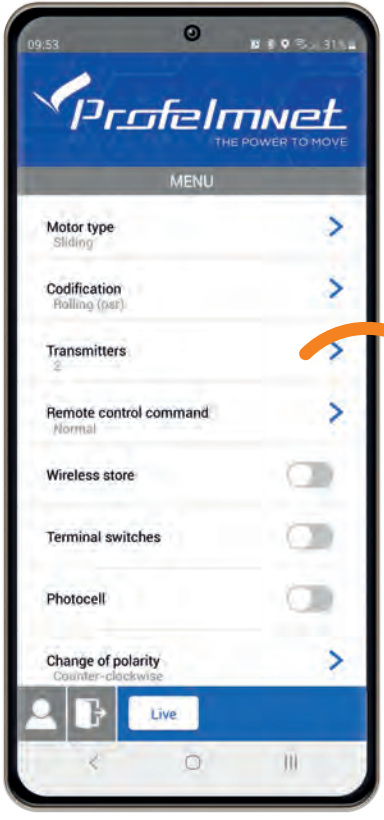
MENU: Codification

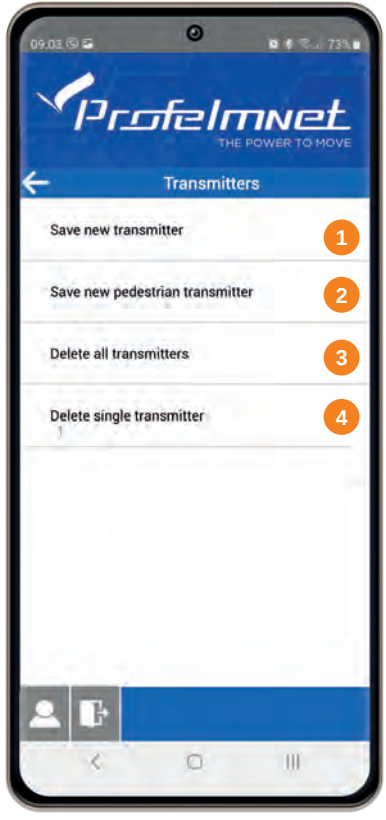


Codification: Select based on the installation's transmitters

MENU: Transmitters

FOR SLIDING - SWING - BARRIER - PERGOLA





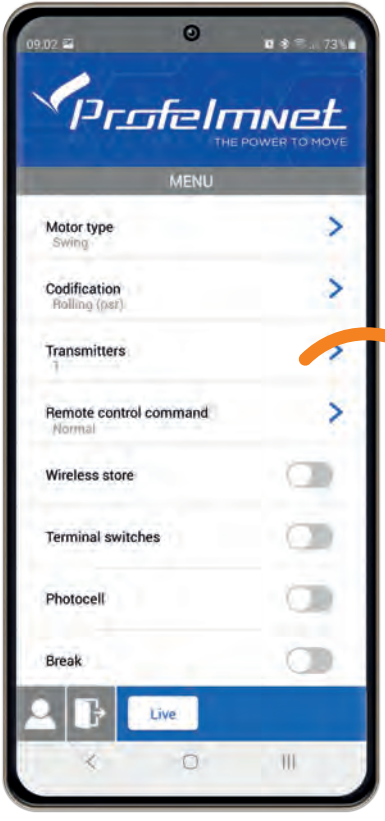
1. **Save new transmitter:**
   Press the transmitter button you want to save
2. **Save new pedestrian transmitter:**
   Press the transmitter button you want to save as pedestrian
3. **Delete all transmitters:**
   YES/NO
4. **Delete single transmitter:**
   Choose the number of transmitter to DELETE.

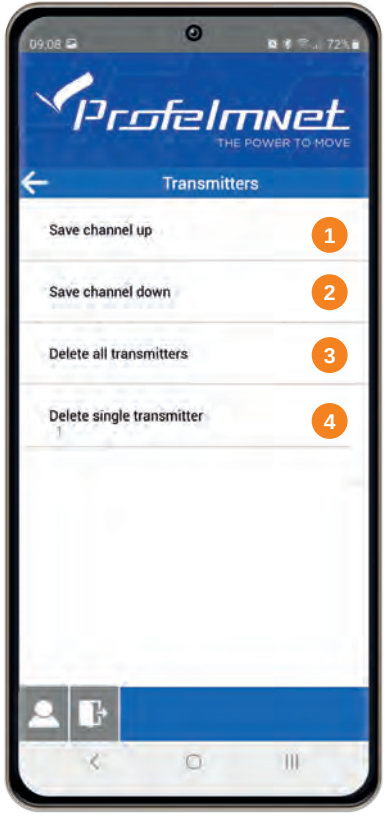
USER NUMBER:

The number displayed on the main screen of the application, LIVE screen, every time each remote control is activated.

MENU: Transmitters

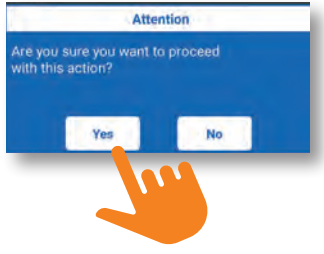
PERGOLA 2 CHANNELS DEADMAN
PERGOLA 2 CHANNELS



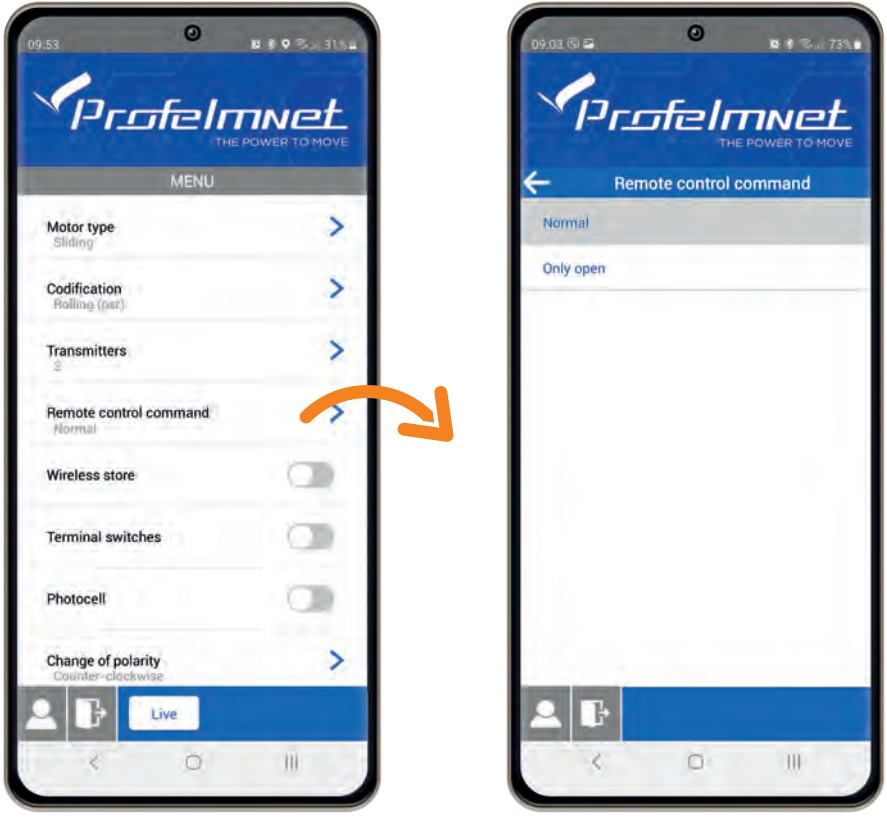


1. **Save channels up:**
   Press the transmitter button you want to save for UP direction
2. **Save channel down:**
   Press the transmitter button you want to save for DOWN direction
3. **Delete all transmitters: YES/NO**
4. **Delete single transmitter:**
   Choose the number of transmitter to DELETE.

SELECTION CONFIRMATION



MENU: Remote control Command

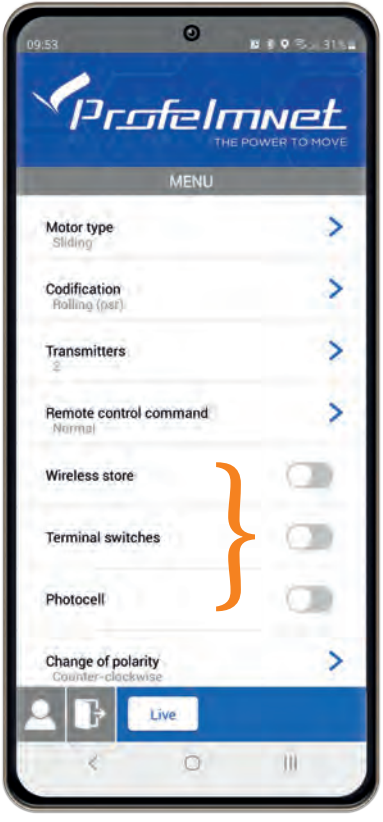


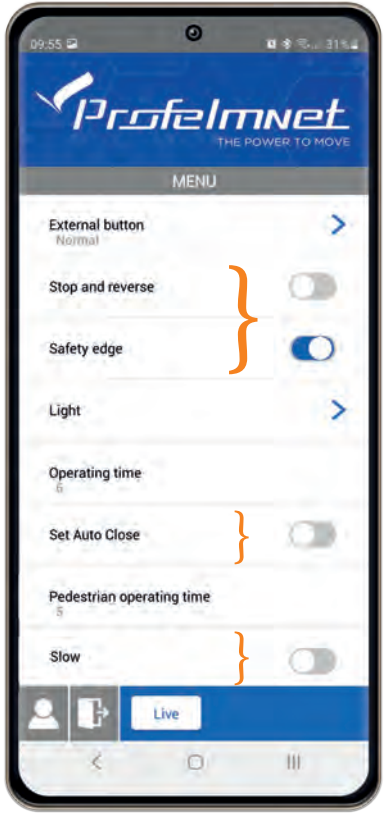
Remote control command

Normal:
START-STOP-CLOSE

Only Open

MENU: Settings ON/OFF





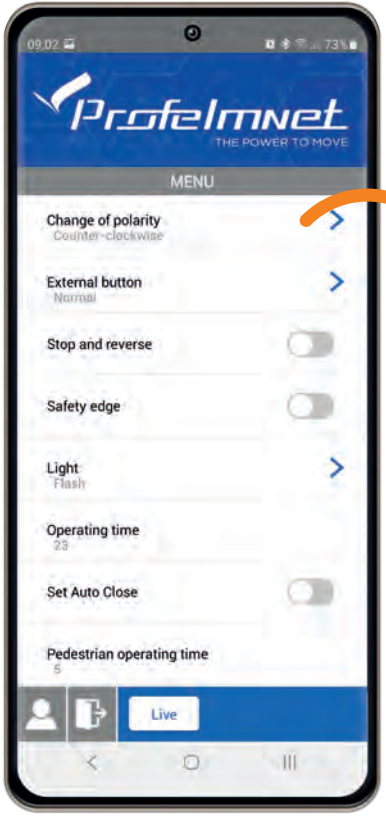
Wirelless store
TerminalSwitches
Photocell
Deceleration
Stop and Reverse
Safety Edge

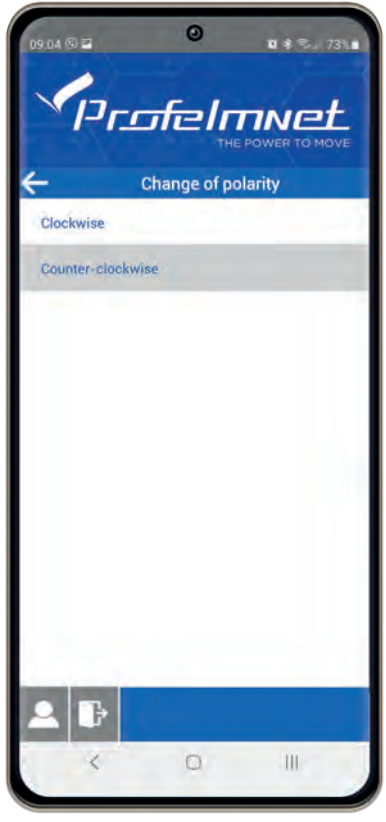
OFF ON

ADD NEW REMOTE CONTROLS WIRELESS:

The motor is fully closed or open. Press a working transmitter button (already in memory) to start the motor working and hold it pressed until the motor stops. When it stops, leave it and press the new transmitter button immediately. The new transmitter is saved. Repeat steps to program more transmitters remotely. When the memory is full (300 transmitters) you cannot add more new transmitters.

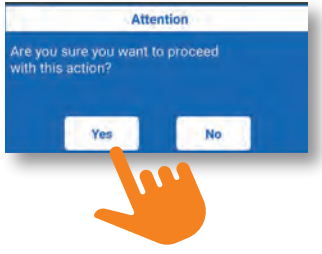
MENU: Change of polarity



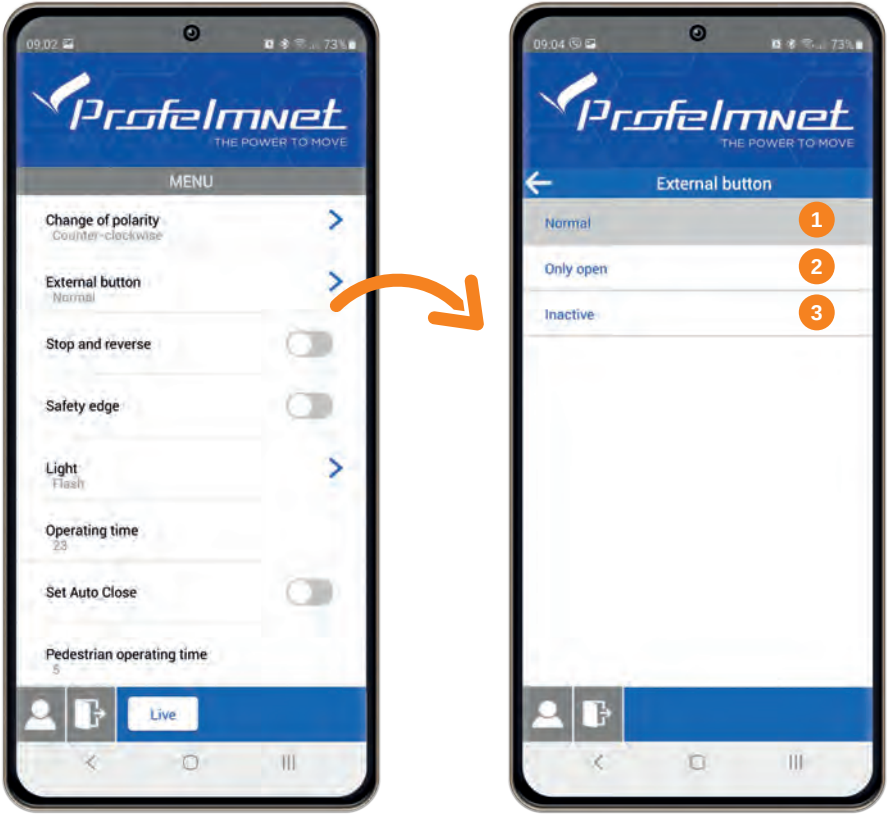


Change the motor and terminal switches polarity based on the installation

SELECTION CONFIRMATION



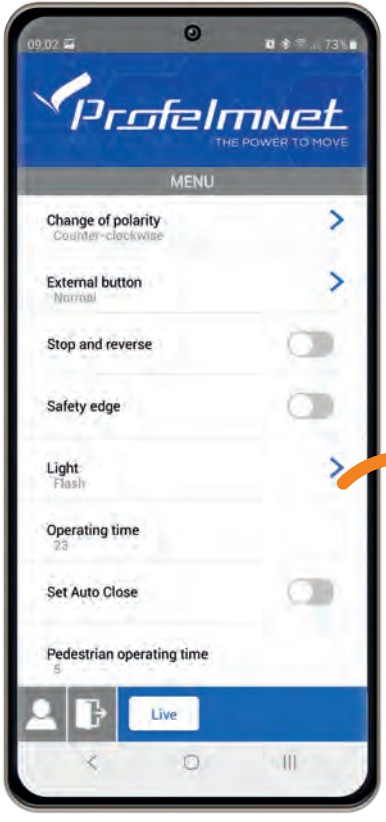
MENU: External Button

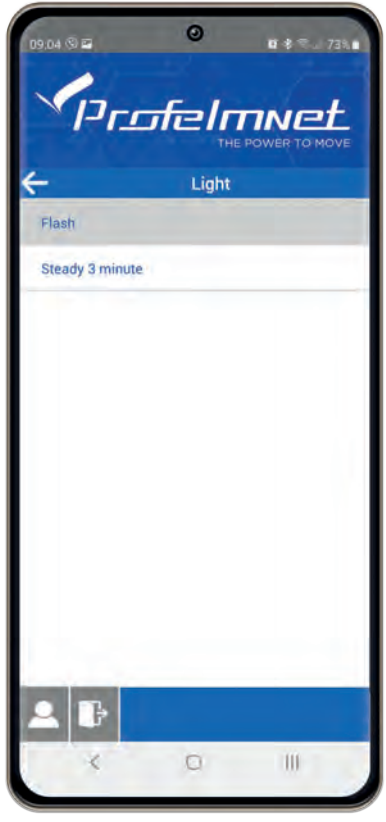


External Button: Select based on the installation

1. NORMAL
2. ONLY OPEN
3. INACTIVE

MENU: Flash

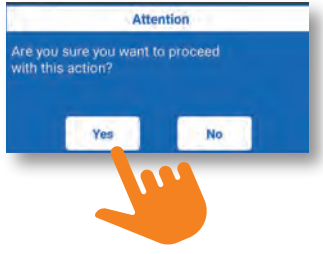




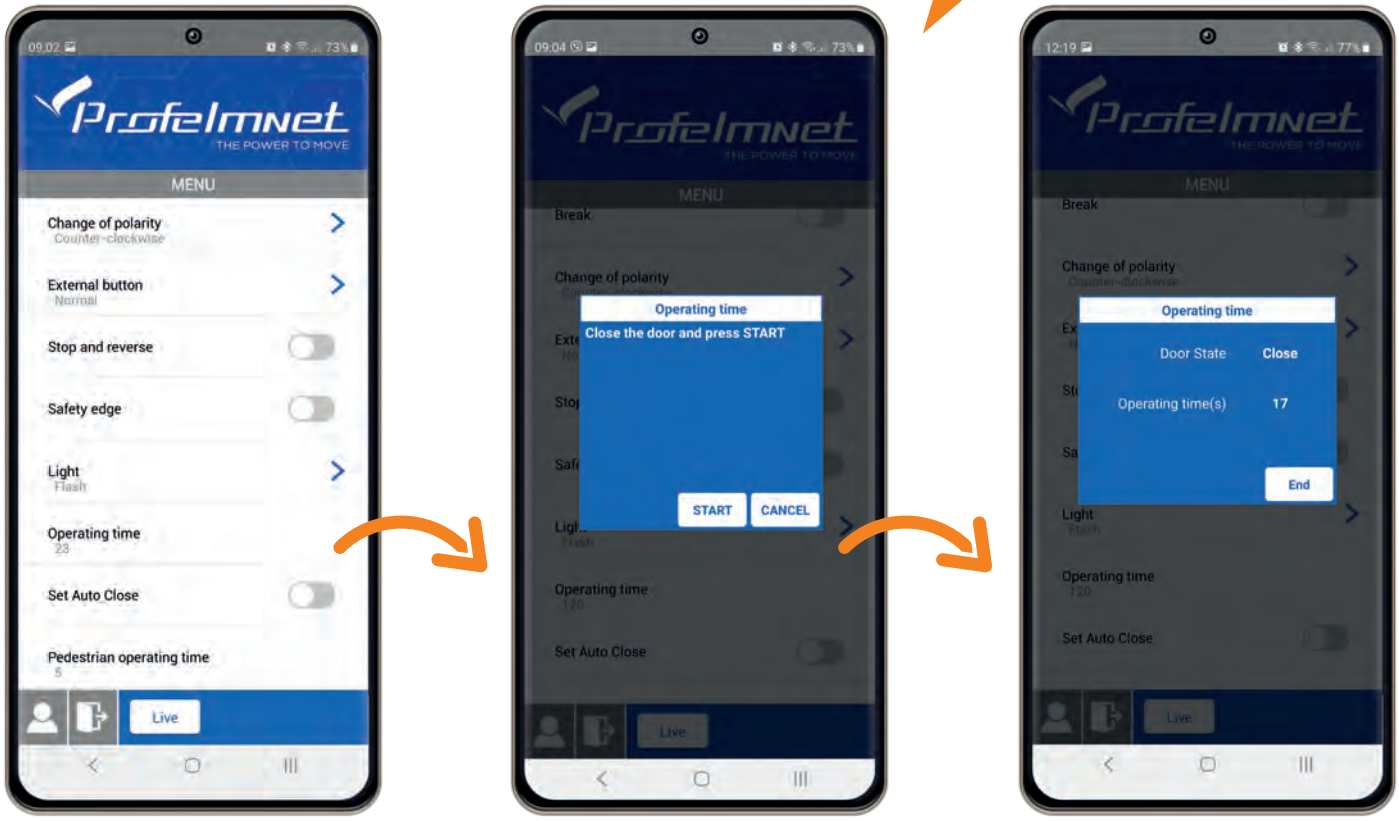
FLASH: The light is flashing during the cycle of the motor.

LIGHT STEADY 3 MINUTES: The light is steady for 3 minutes after the last command.

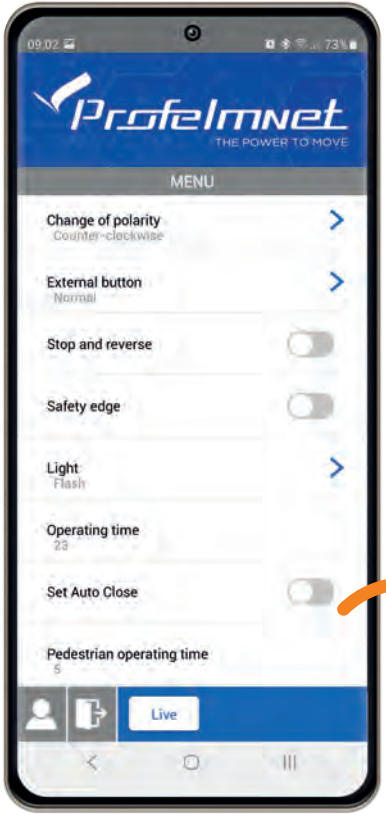
SELECTION CONFIRMATION



MENU: Operating Time



MENU: Set auto - close



- **Auto-Close Stand-by:**
  The time when the gate is open and the photocell is not activated
- **Auto close Transit:**
  The time when gate is open after the photocell is activated

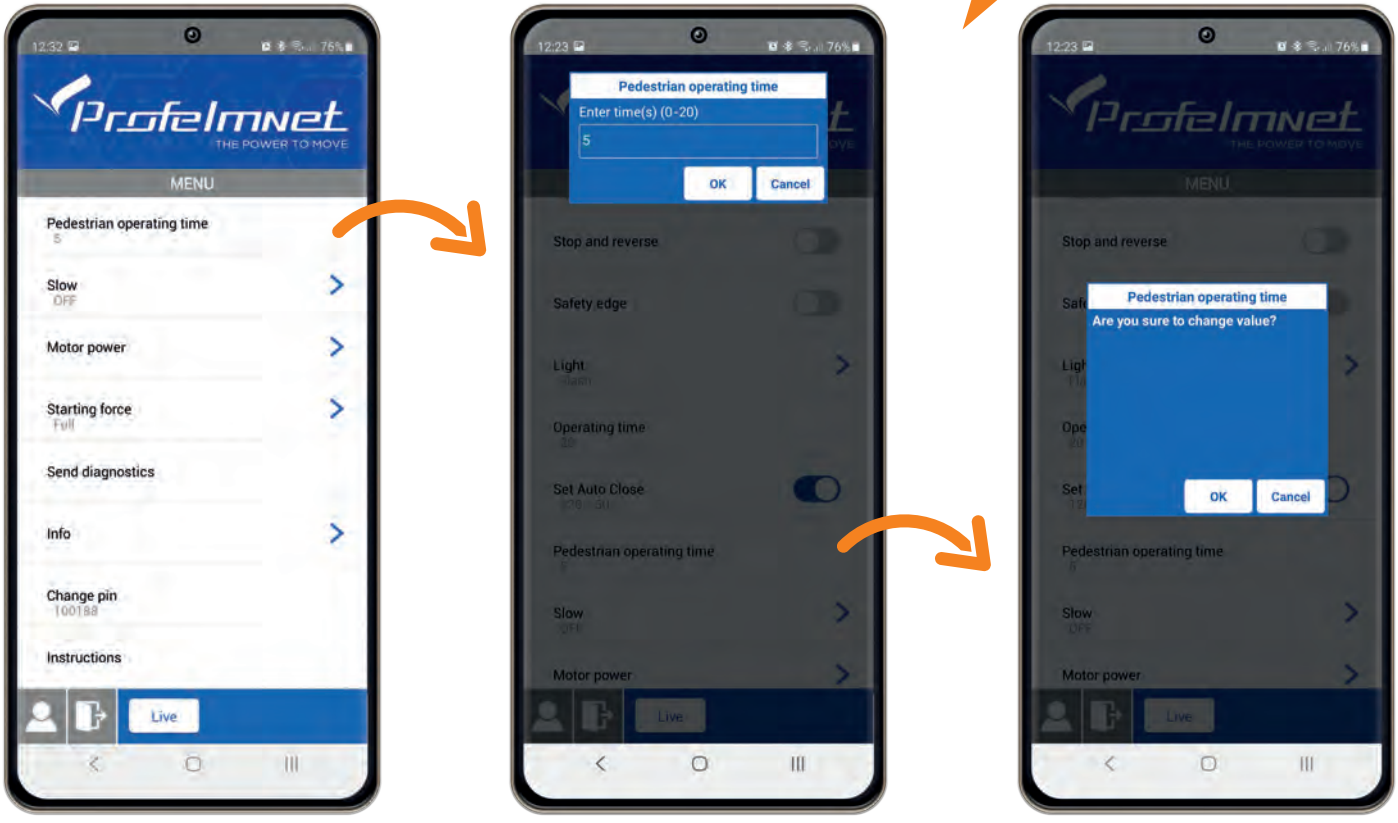
SET TIME:
Set time on each field in seconds

If you want to edit the time, you need to disable the AUTO-CLOSE and re enable it

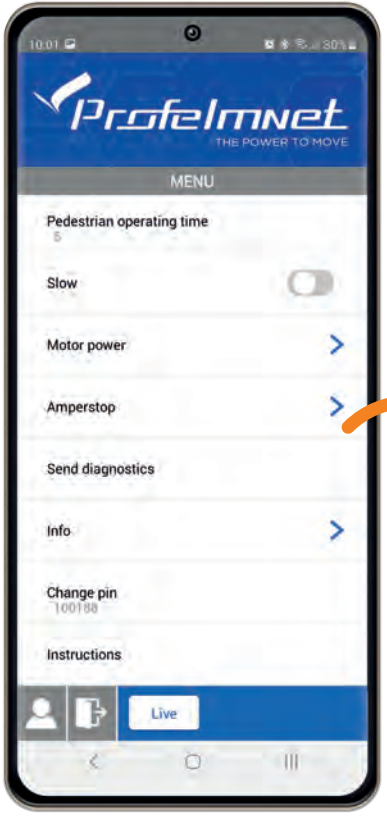
OFF ON

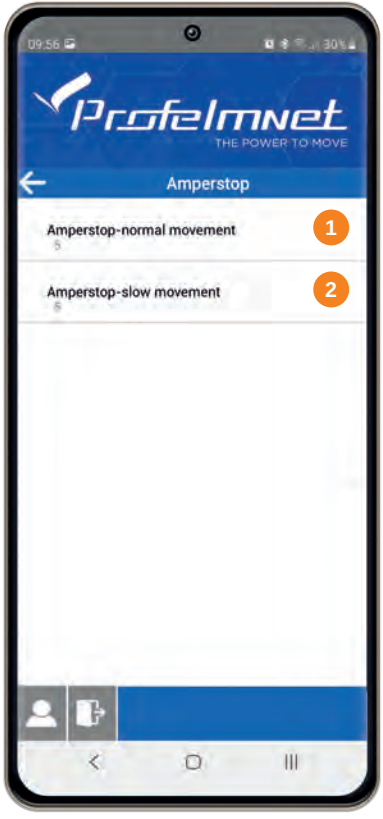
MENU: Pedestrian operating time

Follow the application steps



MENU: Motor Power

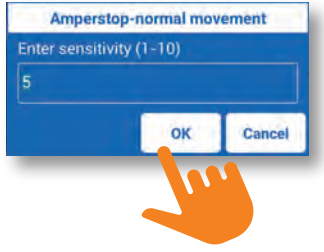




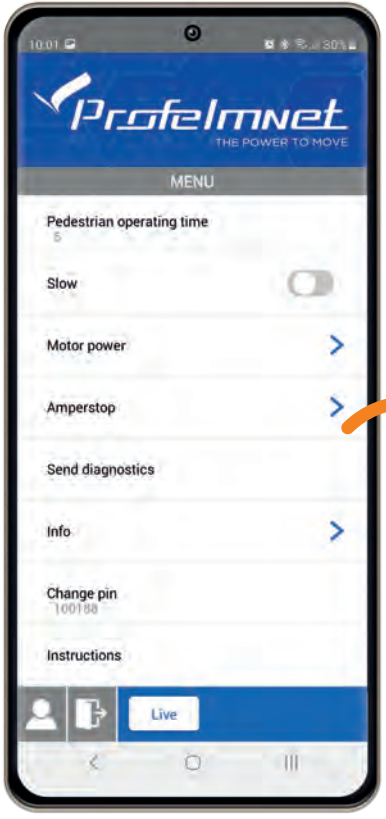
1. **Motor power - normal movement**
   Enter value

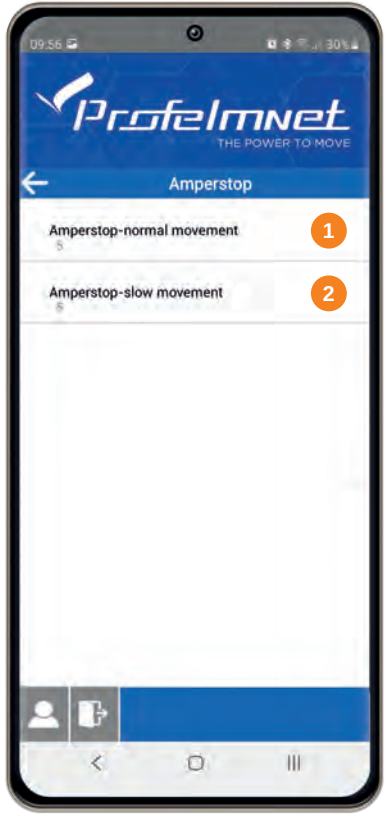
2. **Motor power - slow movement**
   Enter value

ENTER VALUE



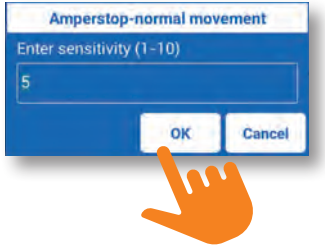
MENU: Amperstop



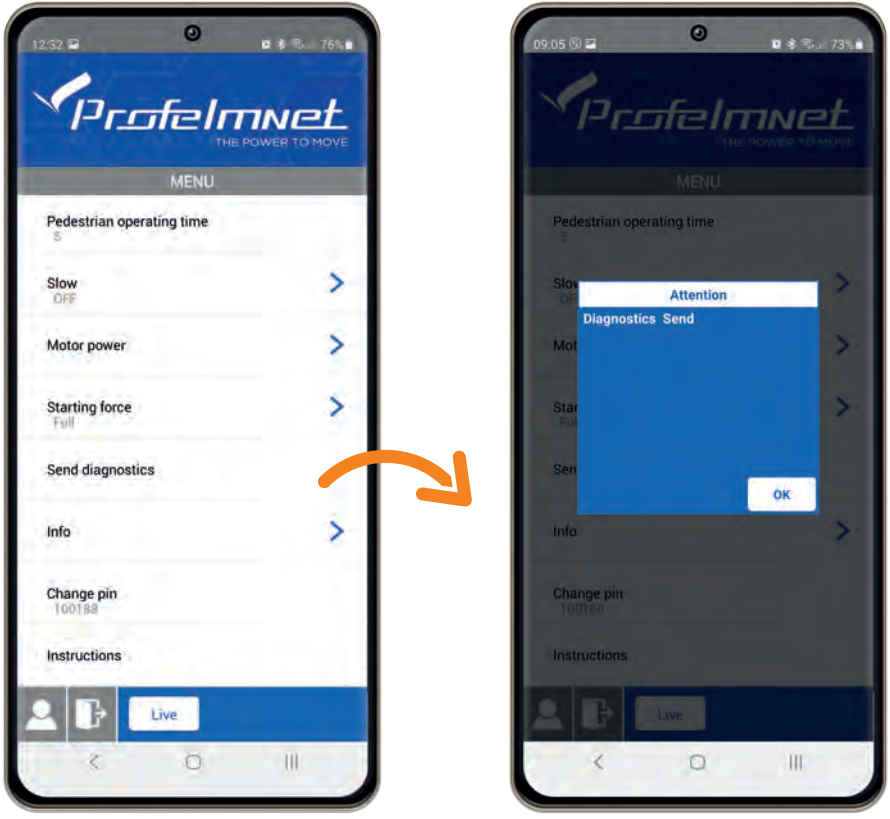


1. Amperstop in normal movement
2. Amperstop in slow movement

ENTER VALUE

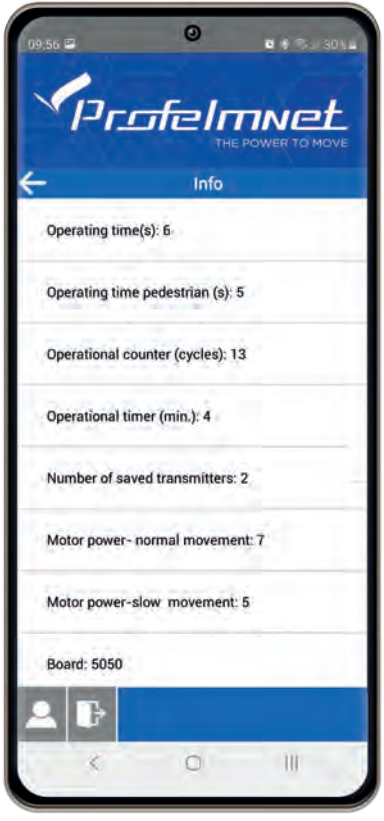


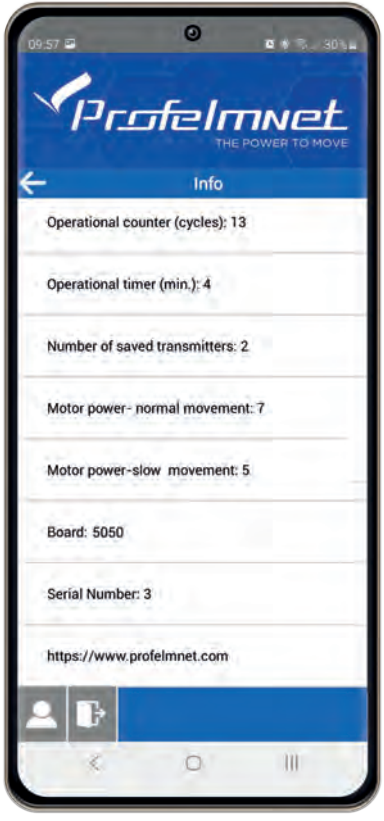
MENU: Send Diagnostics



In case of technical support, send diagnostics to the Profelment technician

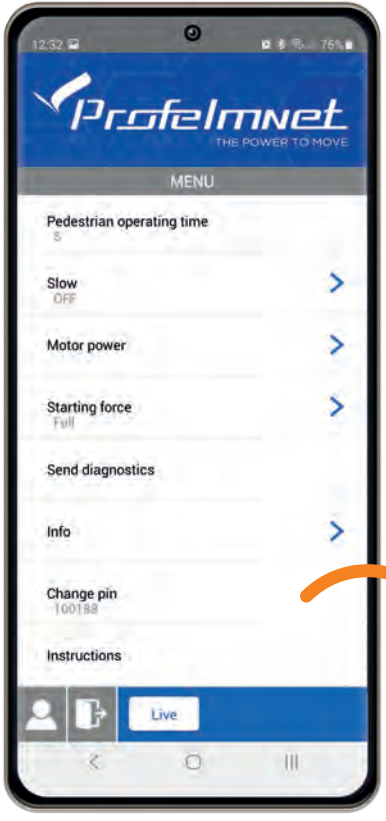
MENU: Info

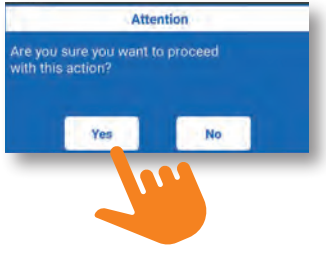




All information of the board

MENU: Change PIN



CHANGE PIN

SELECTION CONFIRMATION