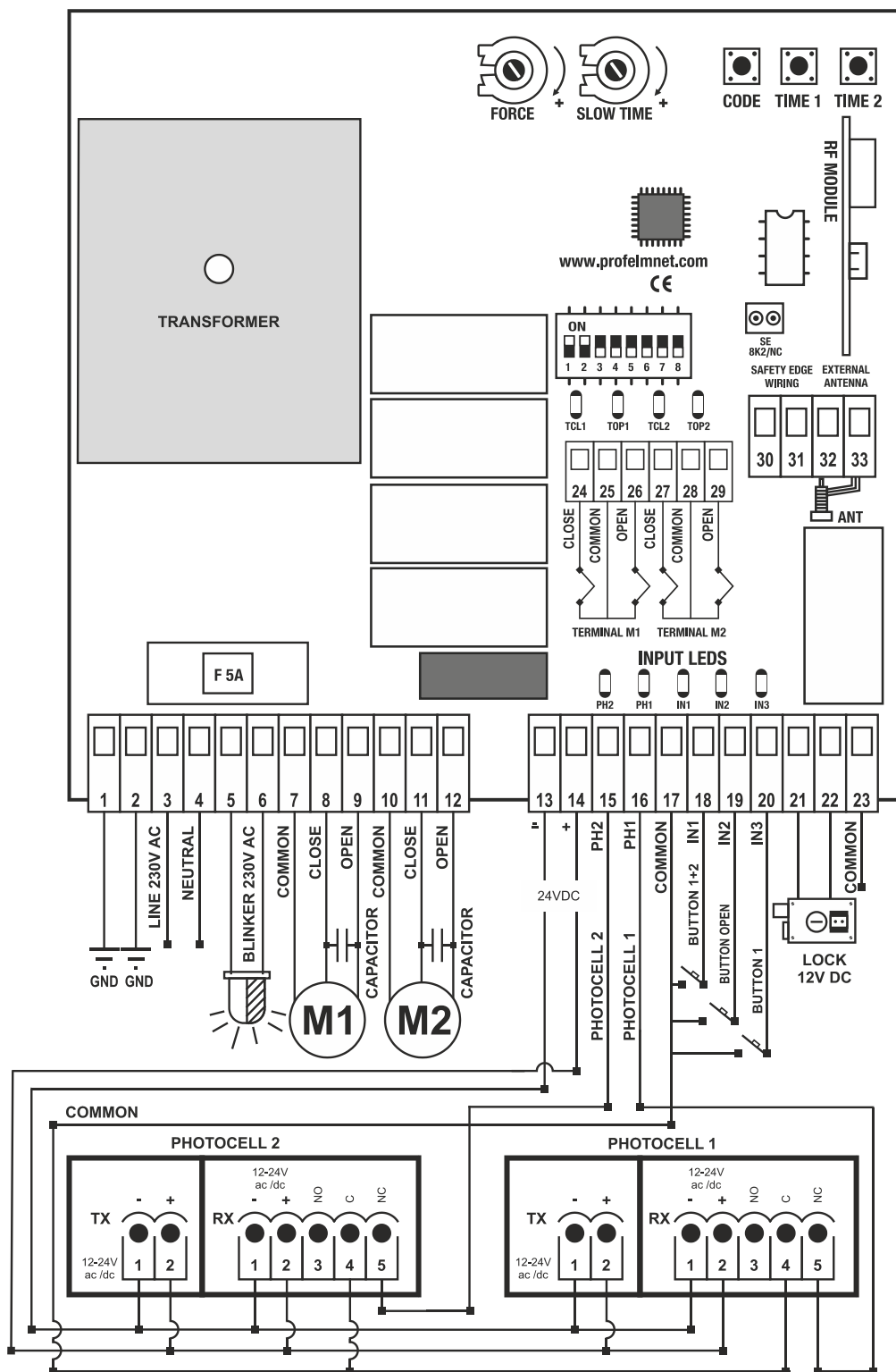
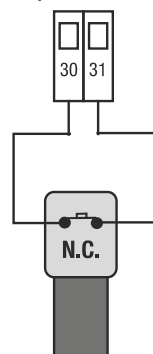


## 3614 | Control Board for 2 motors 230 VAC

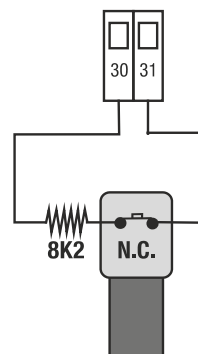
### Electrical Connections



#### MECHANICAL SAFETY EDGE (NC CONTACT)



#### SAFETY EDGE WIRING TYPE 8K2



#### WIRING EXTERNAL ANTENNA



## Programs

Program 1	Terminal Switches	<b>OFF:</b> NO terminal switches. In case of single swing gate. <b>ON:</b> Terminal switches. In case of sliding gate or barrier. The indicating GREEN LED shows the close contact of terminal switches. When the gate crosses the terminal switches, the indicating LED is off.
Program 2	Photocell 2	<b>OFF:</b> No photocell 2. <b>ON:</b> Photocell 2 (FREEZING PHOTOCELL) is activated. The gate is freeze, when the contact is cut.
Program 3	Photocell 1	<b>OFF:</b> No photocell 1. <b>ON:</b> Protection Photocell. When the gate closes and the contact is cut, the gate stops and opens.
Program 4	Automatic Close	<b>OFF:</b> No automatic close <b>ON:</b> Automatic Close is activated. <b>It is essential the protection photocell installation.</b>  The automatic close time is 2 minutes. When an obstacle is detected by photocell 1, the automatic close time is 10 seconds adjustable. (see Setting the automatic closing time for Passage).
Program 5	Motors Delay	<b>OFF:</b> No delay. <b>ON:</b> Delay between motor 1 + motor 2
Program 6	Repeating Closing	<b>OFF:</b> No repeating Closing <b>ON:</b> Repeating Closing for 1 sec each hour (hydraulic motors)
Program 7	Lock	<b>OFF:</b> No Lock <b>ON:</b> Lock 12VDC. Max 3A .
Program 8	Safety Edge	<b>OFF:</b> NO Safety Edge <b>ON:</b> The Safety Edge is activated. When the contact is activated, the gate stops and moves in the opposite direction for 3 seconds.

## Configuration

**Power Supply 230VAC:** Check all connections and power the automation with 230VAC. Check that the yellow indicator LED is permanently ON.

**Earth:** It is essential to ground the metal parts of the motor. Use terminals 1 +2 to connect the motor grounds to the power supply ground.

**Motor Connexion:** Motor 1, the gate that opens FIRST, is connected in terminals 7-8-9 and the Motor 2 is connected in terminals 10-11-12.

**Motor Polarity:** After completing the above connections, manually place the two door leaves in the middle, and supply the automation with 230VAC voltage. Press the saved remote. The first movement the motors MUST be **OPEN**. Otherwise, change the Close-Open cables (terminals 8/9) for Motor 1 and Close-Open (terminals 11/12) for motor 2.

**Working Time Adjustment:** Before setting the working time of the motors, make sure that you have installed **PHYSICAL STOPS** at the closing and opening of each leaf, otherwise the control board cannot be adjusted correctly. In case there are no physical stops, your motor must have built-in **MECHANICAL STOPS**.

### SAME WORKING TIME FOR OPEN + CLOSE FOR EACH LEAF

#### 1. Use the Buttons TIME 1 + TIME 2

**BOTH LEAVES ARE CLOSED.**

- Press and hold pressed the **TIME 1** button until the first leaf is fully opened.
- Press and hold pressed the **TIME 2** button until the second leaf is fully opened.  
**The operating time of the two Motors have now been set.**

#### 2. Use the saved remote or the external button

**BOTH LEAVES ARE CLOSED.**

Press the **TIME 1 + TIME 2** buttons simultaneously. The red LED indicator starts flashing.

- Press the remote.
- Motor 1 opens.
- When Motor 1 is fully open, press the remote again.
- Motor 1 stops and Motor 2 starts opening automatically.
- Press the remote when Motor 2 is fully open.

**The operating time of the two Motors have now been set.**

### DIFFERENT WORKING TIME FOR OPEN + CLOSE FOR EACH LEAF

#### 1. Use button TIME 1

**BOTH LEAVES ARE CLOSED**

Press the **CODE + TIME 2** buttons simultaneously. The red LED indicator starts flashing quickly.

- Press the TIME 1 once.
- The Motor 1 opens.
- When Motor 1 is fully open, press the TIME 1 once.
- Motor 1 stops and after 1 second, Motor 2 starts opening automatically.
- When Motor 2 is fully open, press the TIME 1 once.
- Motor 2 stops and after 1 second, Motor 2 starts to close automatically.
- When Motor 2 completely closed, press the TIME 1 once.
- Motor 2 stops and after 1 second, Motor 1 starts to close automatically.
- When Motor 1 completely closed, press the TIME 1 button once.

**The operating time of the two Motors have now been set.**

## 2. Use the saved remote or the external button

### BOTH LEAVES ARE CLOSED

**Press the CODE + TIME 2 buttons simultaneously. The red LED indicator starts flashing quickly.**

- Press the remote once.
- The Motor 1 opens.
- When Motor 1 is fully open, press the remote once.
- Motor 1 stops and after 1 second, Motor 2 starts opening automatically.
- When Motor 2 is fully open, press the remote once.
- Motor 2 stops and after 1 second, Motor 2 starts to close automatically.
- When Motor 2 completely closed, press the remote once.
- Motor 2 stops and after 1 second, Motor 1 starts to close automatically.
- When Motor 1 completely closed, press the remote once.

### Adjust Deceleration Time:

During the Open/Close tests, adjust the DECELERATION time from the trimmer in control board, so both motors before ending the route (open or close) operate in deceleration function until they complete the route. It is recommended to adjust the deceleration time so that the motors after route completion to run for another 7-10 seconds in deceleration function. Adjust trimmer for more or less deceleration time. When the trimmer is at zero position, the deceleration time is only 2 sec.

**Adjust Motor Power:** When working time is being adjusted, the trimmer **FORCE** controls the motor force during normal movement. After working time is adjusted, the trimmer **FORCE** controls the motor force during deceleration.

**Memory Clear:** Press the button CODE of the control board and the RED indication light goes ON after a while. Keep it pressed until the RED indication light goes OFF. The memory is now clear.

**Adding a new remote with the control panel CODE button:** Press the CODE button and the RED indication light goes ON. Leave it and during the next 3 seconds, press the desired remote channel button until the RED indication light blinks and goes OFF. The new remote is saved. Follow the same procedure to program more (up to 300 remotes) new remotes.

### Adding Pedestrian Remote (Motor 1 ONLY opens):

Press the button CODE. The Red indicating LED is steadily ON. Keep pressed the CODE until the RED indicating LED is flashing. Then release the button CODE and press the button of the remote for pedestrian. The RED indicating LED is flashed ONCE. The pedestrian remote is saved and opens only the MOTOR 1.

**Adding a new remote remotely:** The motor is fully closed or open. Press a working remote 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 remote button immediately. The new remote is saved. Repeat steps to program more remotes remotely. When the memory is full (300 remotes) you cannot add more new remotes.

**Photocell Power Supply:** Output 24VDC (max 200mA).

### External Buttons:

Contacts IN1 (terminals 17-18) - Activation Button for 2 Motors or 1 Motor in case of a Single Leaf Gate  
Contacts IN2 (terminals 17-19) - Activation Button for 2 Motors only OPEN (Magnetic Loop Connection)  
Contacts IN3 (terminals 17-20) – Pedestrian Button (Case of 2 motors – Controls only Motor 1)

**Adjustable Automatic Close Time:** Press the TIME 1 and CODE buttons simultaneously. The red indicating light starts flashing, indicating the seconds of the Automatic Close Time. The time of the counter is from 1-120 seconds.

### Courtesy Light / Warning Light / Flashing Beacon light

In terminals 5+6 flash is connected. There are 3 different functions, that alternate cyclically:

- **Courtesy Light:** The light is turned on steadily for 3 minutes after the last command.
- **Warning Light:** The light indicates the status of the gate. Light OFF: Gate is closed. Light ON: Gate is open. Slow Flashing: Gate is opening. Fast Flashing: Gate is closing.
- **Flashing Beacon Light:** The light is flashing during the cycle of the motor.

For switching the different functions: Cut off the power supply. Press the button CODE and TIME 1 simultaneously and Turn ON the power supply. The RED indicating LED is steadily ON, the function is changed.

### Deceleration Change

In case of heavy motors, adjust the DECELERATION power as follows: Cut off the power supply. Press the buttons CODE, TIME 1 and TIME 2 at the same time. Pressing the three button together, power ON the power supply. The LED indicating is steadily ON and the DECELERATION power has been changed. Release the three buttons and use the Deceleration Trimmer to adjust the power of deceleration.

#### Compatible Remotes – Based on the model you have

PS : Fixed Code 433,92MHz. Compatible remotes are fixed code 433,92MHz

PSR/PN : Rolling Unique Code 433,92MHz. Compatible Remotes with same Unique Rolling Code.

#### Where you find the Unique Rolling Code of the board ?

On the control board, there is a white productions sticker by Profelmnet. You will find the Unique Rolling Code, with which you search for compatible controls.

## Security Information - CE Declaration

**Carefully read the instructions before beginning to install the product. To ensure the safety of people, it is important that the installer reads all the following installation instructions. Incorrect installation or incorrect use of the product could cause serious harm to people.**

Read and follow the instructions below:

- ❖ The product must be used and installed in accordance with its design
- ❖ Save these instructions for future use
- ❖ Before proceeding with any connection or programming, turn off the power supply
- ❖ It is necessary to use 6A/30mA differential leakage relay to power the equipment
- ❖ Do not change or modify the automation materials, without first contacting Profelmnet
- ❖ Do not allow children or pets to be near the gate when it is in operation
- ❖ Keep the remote controls out of the reach of children, to prevent inadvertent operation of the door
- ❖ The installation, maintenance or repair of the automation shall be carried out by qualified personnel
- ❖ The installation of photocells is essential for the safety of vehicles passing through
- ❖ It is necessary to install a safety edge contact for the safe passage of the pedestrians
- ❖ Profelmnet, as the manufacturer, reserves the right to make changes to the product without notice
- ❖ Anything not listed in these instructions is not appropriate

#### The designer and producer

**L.PSARROS & SIA OE | Profelmnet declares that**

The product 3614 control board for 2 motors 230VAC

is according to European Directives requirements of RADIO EQUIPMENT DIRECTIVE (RED) 2014/53/EU and ELECTROMAGNETIC COMPATIBILITY EMC 2004/108/EC and satisfies all the applicable standards to the product within these directives as follows:

είναι σύμφωνα με τις διατάξεις των οδηγιών ΔΙΑΘΕΣΙΜΟΤΗΤΑΣ ΡΑΔΙΟΕΞΟΠΛΙΣΜΟΥ ΣΤΗΝ ΑΓΟΡΑ 2014/53/EU και ΗΛΕΚΤΡΟΜΑΓΝΗΤΙΚΗ ΣΥΜΒΑΤΟΤΗΤΑ EMC 2004/108/EC και συμμορφώνονται προς τις απαιτήσεις & τις σχετικές διατάξεις, όπως αυτές αναφέρονται κατωτέρω:

EN 62311:2008	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)
EN 62368-1: 2014	Audio/video, information and communication technology equipment. Safety requirements
EN 61000-6-1 : 2007	Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light-industrial environments
EN 61000-6-3: 2007 + A1: 2011	Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments
EN ETSI 301 489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU"
EN ETSI 301 489-3	Electromagnetic compatibility and Radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard and radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9KHz and 40 GHz.
EN ETSI 300 220-2	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive
EN ETSI 300 220 -3-1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-1: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Low duty cycle high reliability equipment, social alarms equipment operating on designated frequencies (869,200 MHz to 869,250 MHz)
EN ETSI 300 220 -3-2	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive