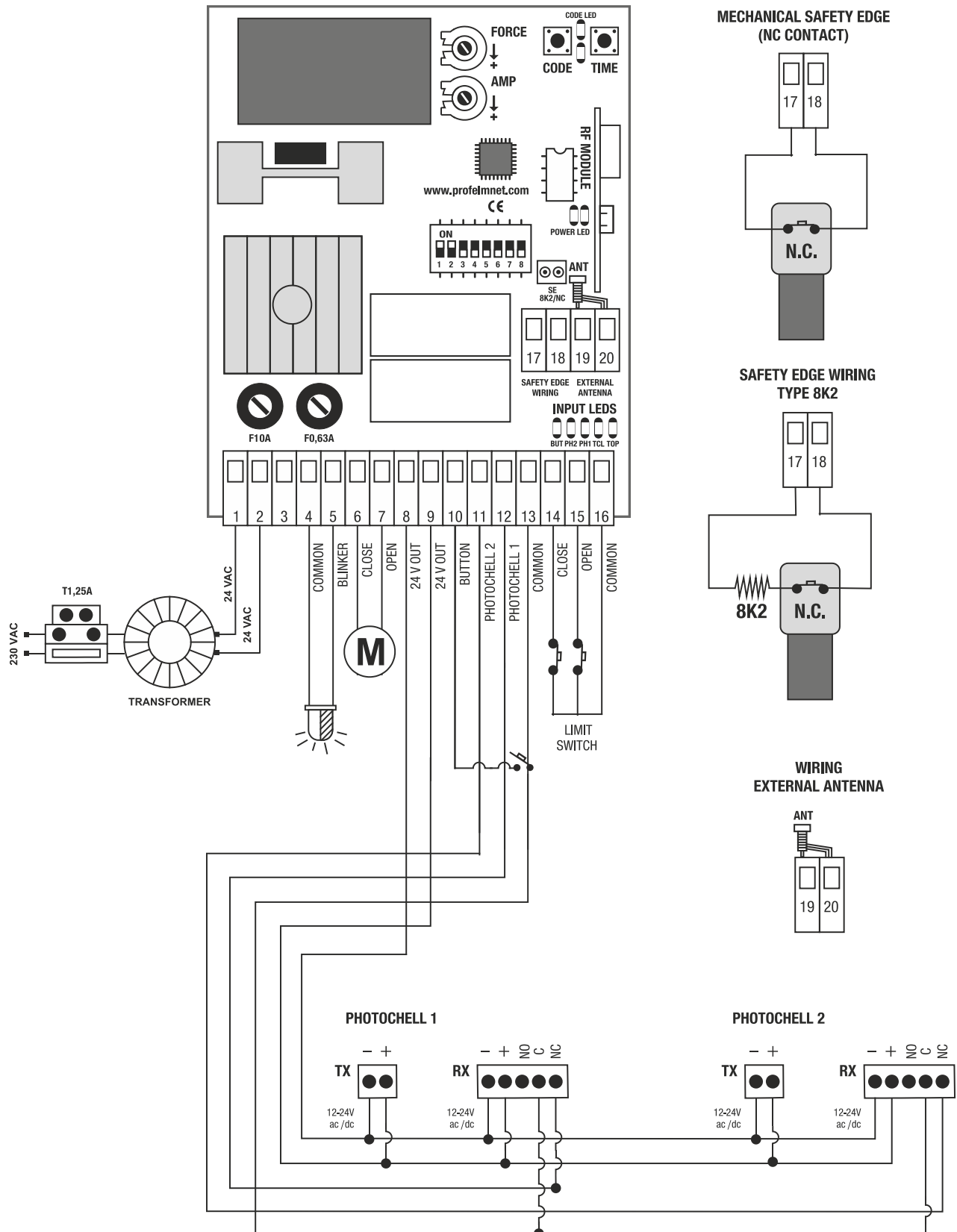


3650 | Control board for 1 motor 24VDC

ELECTRICAL CONNECTION



PROGRAMS

PROGRAM 1	DECELERATION	OFF: NO deceleration ON: With deceleration, that starts 1sec. before the end-route of the gate and continues for 40sec. or until the terminal switches are reached. If there are not terminal switches, the deceleration continues for 15 seconds.
PROGRAM 2	CONTACT MAGNETIC LOOP	OFF: Normal Button – Open Stop Close ON: Button Only Open
PROGRAM 3	AUTOMATIC CLOSE	OFF: No automatic close ON: Automatic Close is activated. It is essential the protection photocell installation. The automatic close time is 2 minutes. When an obstacle is detected by photocell 1, the automatic close time is 10 seconds adjustable.
PROGRAM 4	TERMINAL SWITCHES	OFF: NO terminal switches. In case of single swing gate. ON: 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 5	PHOTOCELL 1	OFF: No photocell 1. ON: Protection Photocell. When the gate closes and the contact is cut, the gate stops and opens.
PROGRAM 6	PERGOLA MODE	OFF: In case of sliding gate motor, barrier, swing gate motor. ON: In case of pergola. The terminal contacts are converted into Open and Close push buttons.
PROGRAM 7	MOTOR POLARITY CHANGE	OFF/ON: The first move of the motor after power reset needs to be opening, when auto close is disabled. If not, switch the dipswitch 7 to the opposite position.
PROGRAM 8	PHOTOCELL 2	OFF: No photocell 2. ON: Photocell 2 (FREEZING PHOTOCELL) is activated. The gate is freeze, when the contact is cut.

CONFIGURATION

Power Supply 24VAC/DC: Check all wiring and power the control board with 24VAC/DC. Make sure the yellow indicator LED remains steadily ON.

Grounding: It is essential to ground the metal parts of the motor. Connect the motor grounds to the power supply ground.

Transformer Fuse: T1.25A fuse must be used on the primary coil of the power supply transformer

Motor Connection: Terminals 6+7

Motor Direction Check: Once all the above connections are completed, manually position the gate halfway open and power up the control board. Upon pressing the remote control, the motor's first action MUST be to open the gate. If the motor attempts to close instead, switch the position of DIP switch 7.

Operating Time Adjustment

CASE: SAME OPERATING TIME FOR OPENING AND CLOSING

1. Using the BUTTON TIME

Place the gate in the fully closed position. Press and hold the TIME button firmly. After 5 seconds, the gate will start opening. Keep holding the TIME button until the gate reaches the end stop (for sliding gates with limit switches) or the physical stop (for swing gates).

2. Using a saved remote or external button

Place the gate in the fully closed position.

Turn off power of the control board. Press the TIME button and then switch the power back on. When the yellow LED indicator lights up, release the TIME button. The red LED on the board will start blinking.

- Press the remote control.
- The motor starts to open.
- Press the remote control again when the gate is fully open (in case there are no limit switches). If limit switches are installed, the gate will stop automatically at them.

The operating time is now set.

CASE: DIFFERENT OPERATING TIME FOR OPENING AND CLOSING

1. Using the button TIME

Place the gate in the fully closed position.

Turn off power of the control board. Press the CODE button and then switch the power back on. When the yellow LED indicator lights up, release the CODE button. The red LED will start blinking rapidly.

- Briefly press the TIME button.
- The motor starts to open.
- When the gate is fully open, briefly press the TIME button again (if no limit switches are present). If limit switches are installed, the gate will stop at them.
- After 1 second, the motor will start closing automatically.
- When the gate is fully closed, briefly press the TIME button again (if no limit switches are present). If limit switches are installed, the gate will stop at them.

The operating times are now set.

2. Using a saved remote or external button

Place the gate in the fully closed position.

Turn off power of the control board. Press the CODE button and then switch the power back on. When the yellow LED indicator lights up, release the CODE button. The red LED will start blinking rapidly.

- Briefly press the remote.
- The motor starts to open.
- When the gate is fully open, briefly press the remote control again (if no limit switches are present). If limit switches are installed, the gate will stop at them.
- After 1 second, the motor will start closing automatically.
- When the gate is fully closed, briefly press the remote control again (if no limit switches are present). If limit switches are installed, the gate will stop at them.

The operating times are now set.

Pedestrian Mode Travel Time Configuration: Place the gate in the fully closed position.

Press and hold the TIME button until the red LED indicator turns on.

Release the TIME button.

Press and hold the TIME button again for the desired duration of the pedestrian (partial) opening cycle.

Release the button to save the setting.

Motor Force Adjustment: When setting the operating time for the motor, the FORCE potentiometer stores the force level for the normal operation of the motor. After the operating time configuration is completed, the FORCE potentiometer is used to adjust the force during the deceleration phase of motor operation.

Obstacle Detection Sensitivity (Amp Stop) Adjustment: The motor's obstacle detection sensitivity (AmperStop) is adjusted using the AMP trimmer. The higher the AMP trimmer setting, the more sensitive the Amp Stop function becomes.

When setting the motor's operating time, the AMP potentiometer stores the sensitivity level of the AmperStop for the normal-speed phase of motor operation. After the operating time configuration is completed, the AMP potentiometer controls the sensitivity of the AmperStop during the deceleration phase.

Remote Memory Deletion: Press the CODE button. The red LED lights up. Hold the button until the LED turns off completely. The remotes have been erased.

Save a new Remote: Press the CODE button. Once the red LED lights up, release it immediately. Then press the button on the new remote. The LED will blink briefly. The remote is now saved.

Add Pedestrian Remote: Press the CODE button – the red LED lights up steadily. Keep holding it until the LED starts blinking. Release the CODE button and press the button on the remote. The LED will blink momentarily. The remote is now programmed for pedestrian opening (Motor 1 only).

Add Remote Wireless: Make sure the gate is fully closed or open. From a close distance, press and hold the saved remote until the gate stops moving (approx. 6–7 seconds). Immediately release it and press the NEW remote. The gate will move in the opposite direction. The remote is now saved.

Photocell Power Supply: Power output is 24VAC/DC (max load 500mA) on terminals 8-9.

Photocell 1 Command: Terminals 12-13, NC contact.

Photocell 2: Terminals 11-13, NC contact.

Automatic Closing Time Adjustment: Press and hold TIME + CODE simultaneously. The red LED will start blinking, indicating the number of seconds being set for automatic closing time. Adjustable range: 1 to 120 seconds.

Courtesy Light / Warning Light / Flashing Beacon light

Connect a light to terminals 3 + 4. The system supports 3 modes (cycle through them as follows):

Flashing Light (default): Light blinks while the motor is operating.

Area Lighting: Light remains steadily ON for 3 minutes after the last command.
Warning Light: Light blinks fast while closing, slow while opening.

To change the mode:

- Cut power to the board.
- Hold CODE + TIME1 pressed.
- While holding, restore power.

The red LED will stay steadily ON, confirming the mode has changed.

Remote Compatibility (Based on the model you have) PS: Fixed Code 433.92MHz — compatible with all Fixed Code 433.92MHz remotes.
PSR/PN: Rolling Unique Code 433.92MHz — only compatible with remotes using the same unique rolling code.

Where to find the Unique Rolling Code? On the control board, there is a white production label by Profelmnet. There you will find the Unique Rolling Code, which is required to identify compatible remotes

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 3650 control board for 1 motors 24VDC

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.