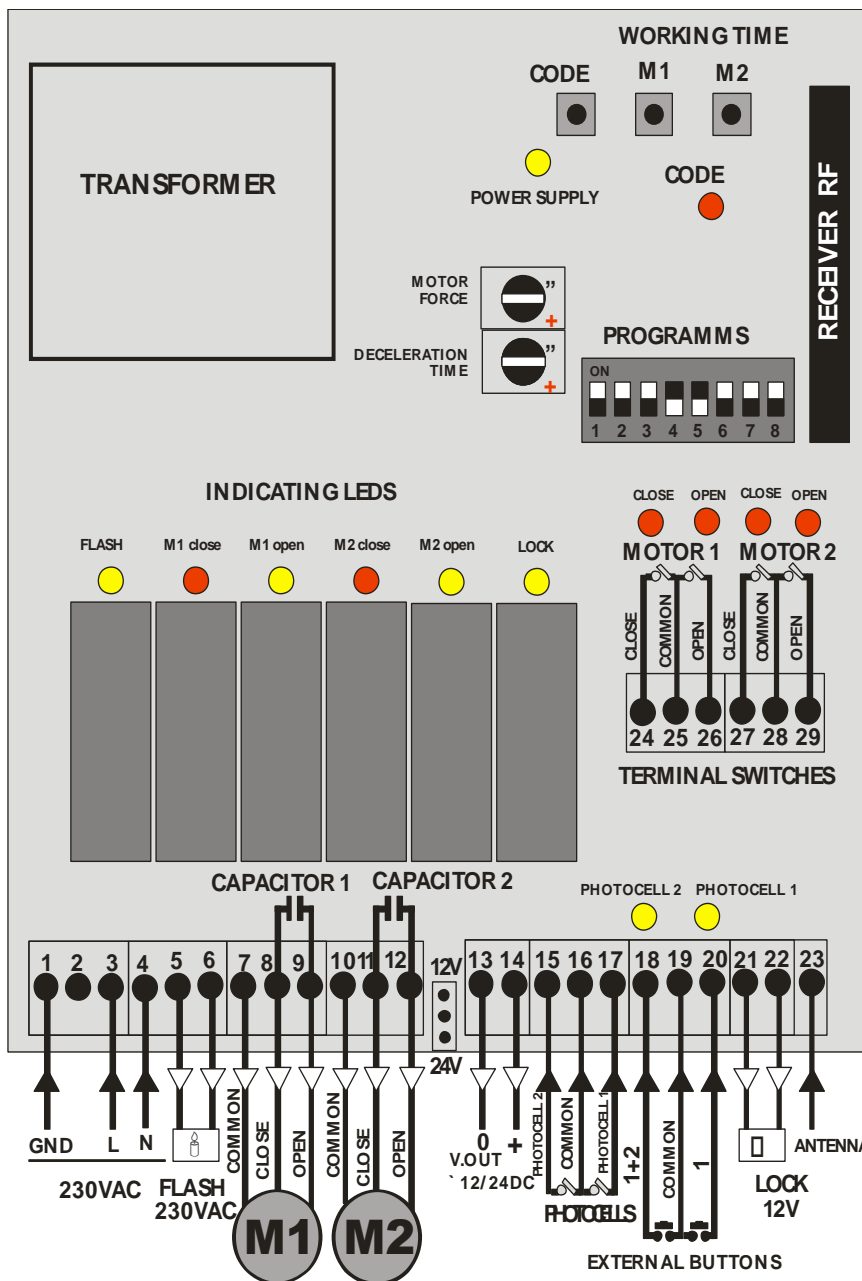


3114

Control panel for double motors up to 2400watt

Code	Frequency	Codification	Terminal Switches	Photocells	Ext.Button	Auto close	Light 230V	Motor torque	Slow move
PSR/PTR-3114	433,92/868,3	Keeloq rolling	YES	YES	YES	YES	YES	YES	YES
PS-3114	433,92	Standard	YES	YES	YES	YES	YES	YES	YES
PN-3114	433,92	Profelmnet rolling	YES	YES	YES	YES	YES	YES	YES

Check all connections. Check the motors and terminal switches wires. The EARTH motor wire is not connected in the control panel.



No	Function description
1	TERMINAL SWITCHES OFF: NO terminal switches. In case of double swing gates or double rolling shutters. ON: Terminal switches. In case of double sliding gates or barriers. The indicating LEDs flash when the gates reach each correspondent terminal switch. If the LEDs do not flash properly, check the motors wires.
2	PHOTOCELL 2. GATE FREEZE. OFF: No photocell 2. ON: Photocell 2. (Internal installation, 1m after the total open gate position to stop the gate motion.)
3	PHOTOCELL 1 . GATE FRAME INSTALLATION. OFF: No photocell 1. ON: Photocell 1. (Installation on the gates frame for safety and auto-close.)
4	AUTO - CLOSE FUNCTION OFF: No auto close ON: Auto-close. Embedded auto close function. Works with the photocell. When the gate opens and there is no access (no obstacle detection from the photocell), the A/C time is 120 seconds (the gate will close after 120 seconds). If there is access and obstacle detection from the photocell, then the A/C time is 10 seconds (the A/C timer counts 10 seconds after the photocell is free and then the gate will automatically close).
5	DELAY BETWEEN MOTOR 1 + MOTOR 2 OFF: No delay between two motors. ON: Delay between Motor 1 (first) and Motor 2 (second)
6	REPEATABLE CLOSING OFF: NO repeatable close. ON: Repeatable close for 1 sec every 1 hour
7	KEY LOCK OFF: No key-lock ON: Key-Lock (activates the key-lock routine)
8	BLINKER LIGHT (FLASH) - LIGHT OFF: Light flash function. Flashes during the motors operation. ON: Constant light function for 2 seconds after the latest command.

Functions and connections



Power supply 230V:

Supply the control panel with 230Vac. Check that the yellow indication light is ON. Press the button of the transmitter and check the red indication light is ON. The first move after power-up (230V) is the OPEN direction, otherwise substitute open/close motor wires.

Electrical motor connection:

In case of double swing gate, the motor 1 is installed on the first opening leaf of the gate and

connected in terminals 7-8-9 of the control panel. The motor 2 is installed on the second leaf and connected in terminals 10-11-12 of the control panel. The COMMON motor wires are connected in terminals 7 for the motor 1 and 10 for the motor 2.

Working time:

BOTH GATE LEAVES ARE FULLY CLOSED. Press MOTOR TIME button M1 and keep it pressed until the first gate leaf goes into the fully OPEN position, and leave it immediately. Press MOTOR TIME button M2 for the second gate leaf and also keep it pressed until the fully OPEN position too. Remove power. Place both leaves in the fully closed position and power up.

Motor direction (open-close):

After completing the power supply 230Vac and motor's connections, the MOTOR 1 (K7-8-9) is the motor that starts first from the closure position of the gate. After all connections are completed, move the both motors in the middle of the route manually. Power the control panel with 230V. Using the button of timer M1 and M2, check the indication lights to be ON. The movement of the motors needs to be compatible with the function OPEN-CLOSE. If not, turn the wires of the motor CLOSE-OPEN (K8/9) and (K11/12). After all connections, close the gate manually. Turn off and turn on the power of the control panel in order to make RESET.

Deceleration:

During the Open/Close tests, adjust the DECELERATION time from the trimmer in control panel, 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.

External button:

There are 2 external buttons. 1+2 (see the diagram) in terminals 18+19 activate both motors. 1 external button in terminals 19+20 activates ONLY the motor 1.

Motor Torque:

Adjust the motor torque from the trimmer MOTOR FORCE in the middle position.

Motor delay:

If the dipswitch 5 is ON, there is delay between the 2 motors. Motor 1 starts first and after 3sec. Motor 2 starts. In closing, the delay is 5 seconds. The time of the delay cannot be changed during installation.

Repeatable close:

If the dipswitch 6 is ON, the control panel automatically gives close command for 1 sec every hour (recommended for hydraulic motors).

Double sliding gate – double barriers:

The control panel 3114 can be used in double sliding gates + barriers, since it provides input for terminal switches (terminals 24-25-26 for the motor 1) and (27-28-29 for the motor 2).

Clear memory:

The first step is to clear the control panel memory. Press the button CODE of the control panel 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 transmitter with the control panel CODE button:

Press the CODE button and the RED indication light goes ON (after a small delay). Leave it and during the next 3 seconds, press the desired transmitter channel button until the RED indication light blinks and goes OFF. The new transmitter is saved. Follow the same procedure to program more (up to 300 transmitters) new transmitters.

Adding a new transmitter remotely:

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.

PHOTOCELL CONNECTION: install the photocells, after all above installations and connections

Photocell power supply: 

See the jumper for the photocells. If the jumper is in 2 up positions, the output of power supply is 12VDC. If the jumper is in 2 down positions, the output of power supply is 24VDC (max 200mA).

Photocell 2:

It is used for the gate freeze. It stops the gates' move immediately for how long the photocell 2 is activated. It is connected in terminals 15-16 in control panel.

Photocell 1:

It works for protection and activates the auto
When the gate closes and the photocell beam is cut-off, the gate stops immediately and automatically activates the open function. If the photocell beam is cut-off, the gate never closes. It is connected in terminals 16+17 in control panel.



Reset the automation:

Case of malfunction, please remove the power supply (230Vac) for 10 seconds, reconnect and recheck.

Compatible transmitters:

Based on the model you have, select the appropriate transmitter.

