2023F Series





ProfelmNet®

RF remote controller set for a sliding door or a barrier

This best quality and high technology RF controller for an AC motor door offers:

- Microchip KEELOQ rolling code technology or constant coding.
- Suitable for all AC motors up to 600W with initial motor boost, and motor power adjustment
- Adjustable working time from 1-180S.
- Selectable autoclose, terminal switches, photo-cell, warning light.
- Double auto-close timer, constant 120S and 10S after pass.
- Pedestrian features, plus external START/STOP button terminal.



Package specifications

	Order	Power	Freq.	Codifica	Working	Auto-	Photo-cell	Motor	Slow	Warning	Pedestrian
	number	supply	(MHz)	tion	Time	close	24V-1VA	power	move	Light	pass
F	PSR-2023F		433,92	Rolling			Yes				Yes
F	PTR-2023F	110VAC or	868,30	Rolling		120S	Yes	adjustable			Yes
F	PS-2023F	230VAC	433,92	Motorola	0-180S	or	Yes	motor	NO	230V/25W	Yes
F	PS-2023FN	600W	433,92	National	adjustable	10S	Yes	power			Yes
F	PR-2023F	Max.	318	Motorola		after pass	Yes				Yes
F	PR-2023FN		306	National			Yes				Yes

KEELOQ® patented by Microchip provides both access and security to systems in which it is used









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Covering distance: From 20 – 80 m. according to the environment interferences, and the place of installation PROGRAMMING

Installation: The first motor move after power-up (230V) is the OPEN direction, otherwise substitute open/close motor wires. When you connect the motor limit switches, remove the 2 jumpers to activate them

Working time: Adjustable from 1-180S. While the door is fully closed, press and keep the **TIMER** button of the controller pressed until the door fully open position. Then leave it. The working time is saved

Photo-cell: Connect the photocell contact and power supply 24VAC according to the diagram in the right. When you finish, remove the jumper **PHO** to activate the photocell contact. In case of failure, put back the jumper and recheck connections.

Photocell operation: When the door closes and the photocell beam is cut-off, the door stops immediately and automatically activates the open function. If the photocell beam is cut-off, the door never closes.

Auto close: <u>Remove the jumper A/C</u> to activate it. There is a double counter in the A/C function. The first one is **120 seconds** and is applied when the door stops after an open function. During this counting time of **120 sec.**, if the photocell beam is disturbed, then after the beam is free, the A/C counting time becomes **10 sec.** until the fully closed position.

Motor force: Adjust with the trimmer. Place it in the middle position and check that the door works smoothly.

Rolling code transmitters (PSR-PTR series) programming:

<u>Clear Memory</u>: The first step is to clear the rolling code memory. Press the button CODE of the controller and the RED light goes ON after a while. Keep it pressed until the light goes off. The memory is now clear.

<u>Adding a new transmitter with the controller button</u>: Press the CODE button and the RED light goes on (after a small delay). Leave it and during the next 3 seconds, press the desired transmitter channel button until the RED light blinks and goes OFF. The new transmitter is saved. Follow the same procedure to program more (up to 20 or 80) new transmitters.

Adding a new transmitter remotely: The motor is stopped. 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 (20 or 80 transmitters) you cannot add more new transmitters.

Standard code transmitter (PR-PS series) programming:

Select your personal code on the transmitter with the use of the dip-switches.

Press the button (CODE) of the controller and keep it pressed. The RECEIVER LED is ON.

With the other hand, press the transmitter desired channel button. The RECEIVER LED single flashes to show you that the transmitter code is saved. Leave both buttons.

If you will use extra transmitters, please remember to select the same dip-switch codes with the already programmed transmitter on each one of the new.

Indication lights:

Yellow 230v led: Its always ON power 230VAC. If not, check the means wires and the Fuse 5A of the controller.

Red receiver led: Goes ON every time a transmitter is pressed. It is used to check the RF module and transmitters that are functioning. If not, please check the transmitter battery and the RF module plug on the controller or change the RF module. **RESET THE AUTOMATION:** In case of malfunction, please remove the power supply (230Vac) for 10 seconds, reconnect and recheck.

Package specifications

Order	Power	Freq.	Codifica	Covering	Relay	Standby	Working	Auto-	Photo	START/STOP
number	supply	(MHz)	tion	distance	contacts	current	Time	close	cell	button
PSR-2023		433,92	Rolling	30-60m						
PTR-2023	110VAC or	868,30	Rolling	20-50m						
PS-2023	230VAC	433,92	Motorola	30-60m	10A at	10mA	0-180S	YES	YES	YES
PS-2023	600W	433,92	National	30-80m	230VAC		adjustable			
PR-2023	Max.	318	Motorola	20-50m						
PR-2023		306	National	20-80m						

PCB dimensions: 105 (L) X 75 (W) X 25 (H), Weight: 0,235Kg.

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