

ProfelmNet[®]

RF remote controller set for a sliding door, swing door or a barrier with a deceleration move

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, motor power adjustment and deceleration before the ends with an auto-slow time before the end of the motion.
- Adjustable working time from 1-180S.
- Selectable auto-close, terminal switches, photo-cell, slow move, auto-return on stop, warning flash or 2 minutes light.
- Double auto-close timer, constant 120S and 10S after pass.
- Pedestrian features, plus external START/STOP button terminal.



Package specifications

Order number	Power supply	Freq. (MHz)	Codification	Working Time	Auto-close	Photo-cell 24V-1VA	Motor power	Slow move	Light or Flash	Pedestrian pass
PSR-2033	110VAC or	433,92	Rolling	0-180S adjustable	120S or 10S after pass	Yes	adjustable motor power	Selectable via a dip-switch software	230V/500W 120S light Or flash	Yes
PTR-2033	230VAC	868,30	Rolling			Yes				Yes
PS-2033	600W	433,92	Motorola			Yes				Yes
PS-2033N	Max.	433,92	National			Yes				Yes

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



ProfelmNet®

Technical leaflet

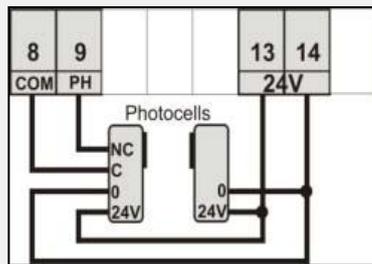
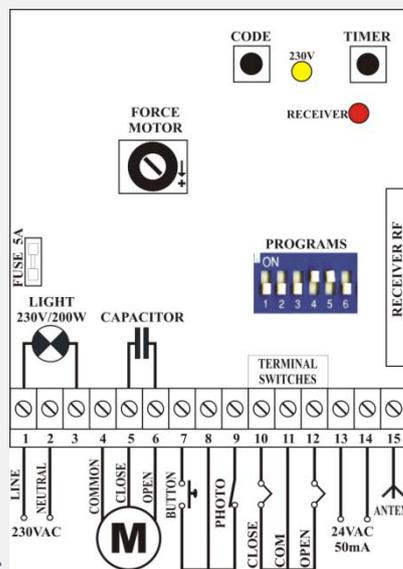


Photo-cell connections

Covering distance: From 20 – 80 m.



DIP-SWITCH PROGRAMS

No	Description	Activate
1	SLOW motion 2 seconds before the ends	ON
2	Reverse movement on close when transmitter is pressed	ON
3	Auto-close 2min. & 10 sec. after pass	ON
4	Limit (terminal) switches	ON
5	Photo-cell with 24VAC power supply	ON
6	Warning light FLASH (OFF) or ON for 3 min.	ON

ferences, 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. **For the Limit switches, Slow move, Reverse movement, Auto-close, Photo-cell, Warning light, please activate the programs**

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, select dip-switch 5 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: Select to dip-switch 3 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:

Clear Memory: 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.

Adding a new transmitter with the controller button: 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 number	Power supply	Freq. (MHz)	Codification	Covering distance	Relay contacts	Slow move	Power adjust	Standby current	Working Time	Auto-close	Photo cell	START/STOP button
PSR-2033	110VAC	433,92	Rolling	30-60m	10A at 230VAC	YES	YES	12mA	0-180S adjustable	YES	YES	YES
PTR-2033	or	868,30	Rolling	20-50m								
PS-2033	230VAC	433,92	Motorola	30-60m								
PS-2033	600W	433,92	National	30-80m								

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

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