

PAMEL

42-300 Myszków, ul. Urodzajna 5E
POWER REGULATOR



PRD1(+)



Zeskanuj!

PLEASE READ THE MANUAL

OR AT LEAST WITH THE LAST POINTS

DON'T YOU KNOW? CALL! WE DON'T BITE

453-343-360 (OFFICE 9-14 weekdays)

453-343-360 (Technical Support 16-19 Monday-Saturday)

www.pamel.pl pamel@pamel.pl



https://www.youtube.com/@PAMEL_STEROWNIKI/

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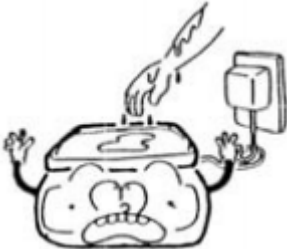


Before connecting and using the appliance, please read this user manual carefully.

If you have any problems understanding its contents, please contact the seller of the device. Self-assembly and commissioning of the device is possible provided that the installer has basic knowledge. Nevertheless, it is recommended to make an installation equipment by qualified personnel.

The manufacturer is not responsible for damage that may result from improper installation or operation Device. Making repairs and modifications yourself will result in the loss of the warranty.

The manufacturer reserves the right to change the appearance, features, functions and technical parameters of the device in order to improve the quality of the product.

The photos, drawings, and text used in this manual are the property of PAMEL.

	<p>Do not disassemble or introduce Modification.</p> <ul style="list-style-type: none"> • Doing so may cause a malfunction <ul style="list-style-type: none"> • Contact if necessary authorized service center <p>We don't bite. It will be cheaper than repairing or modifying it yourself</p>
	<p>If the device will not be used for a long period of time, disconnect the power supply. If you want to carry out electrical work, e.g. changing wires, disconnect the power supply.</p> <p>Electricity is also ticking.</p>
	<p>Avoid running the power cable through the places they pass through people.</p> <ul style="list-style-type: none"> • Someone can get caught on the cable and drop the device, causing damage to it and injuring the staff.
	<p>Do not touch the appliance with wet Hands.</p> <ul style="list-style-type: none"> • Possibility of electric shock
	<p>Do not use the appliance where it may be exposed to liquids.</p> <ul style="list-style-type: none"> • Short circuit or shock may occur electric current.
	<p>Do not place the appliance in places firmly Dusty.</p> <ul style="list-style-type: none"> • There is a risk of poor cooling of the device and the thermals. <p>Nobody likes dirt, especially fans.</p>

PRD1 POWER REGULATOR

DESTINY

The PRD1 is used to adjust the power of the heating elements or to adjust the speed. Depending on the version, the maximum adjustable power is 5.5kW. The device is not used to regulate typical inductive circuits (transformers).

ADVANTAGES OF THE SYSTEM

It is easy to install and use, and provides optimal control of the power of the devices. The device has the ability to choose the start mode:

- a) quick activation of the set power – the controller turns on the set power immediately
- b) the possibility of a "soft start". When enabled, the power is increased from 0% to a set value in a maximum of a few seconds.
- c) the possibility of "full start". When switched on, the power is reduced from 100% to the set value within a maximum of a few seconds. This mode is mainly used for fans and pumps, where the motor must start at maximum torque and then slow down to the desired rpm.

It has the ability to set the minimum and maximum power, so you can set the limits within which the power should be adjusted when using the buttons.

It has the ability to set the power value spike. The user can choose whether pressing means a change in the value by 1%, 5% or any selected value.

PRINCIPLE

With the help of two buttons, the user can adjust the power supplied to the circuit. The current average power setting percentage is shown on the LED display. E.g. "01" means 1% of power, "50" means 50% of the maximum power of the powered device.

In the event of a power failure, the circuit remembers the set power.

TECHNICAL PARAMETERS

Supply voltage: 230V -20% +10%, 50Hz

Operating temperature: -10 to +60°C

Load capacity: 5.5kW

Maximum power consumption: 0.2W

Dimensions: length – 80mm, width – 60mm, height – 60mm

Housing: Self-extinguishing plastic

Ingress protection: IP20

Warranty: 60 months from the date of sale

Compliance with standards:

PN- EN 60529

Lead-free (Pb-Free)

If the device displays strange characters, e.g. "ee", you should turn the device over by 180 degrees. It will start showing "33"

SETTINGS



THE SUPPLIED CONTROLLER IS READY TO USE.

SETTINGS ARE NOT NECESSARY.

BEFORE YOU START REARRANGING, READ THE SETTING INSTRUCTIONS.

To set the parameters, press and hold **two buttons before plugging them in.** Then insert into the socket (by pressing the buttons). The display will show the inscription 88, then it will go into the mode of setting the minimum power level Pmin The selection of the value (from 0 to 99) is made with the "+" buttons. To switch to the available settings, press "-"

The display will show the inscription 88, then it will enter the maximum power level setting mode The selection of the Pmax value (from Pmin to 99) is made with the "+" buttons. To switch to the available settings, press "-"

The display will show the inscription 88, then it will enter the start mode (one digit 0, 1 or 2 flashes) The value is selected using the "+" buttons.

0 -soft start

1-start at full power (pumps, fans)

2-Starting with preset power

. To switch to the available settings, press "-"

The display will show 88, then it will enter power surge setting mode. The value (from 0 to 50) is selected by pressing the "+" buttons. To switch to the available settings, press "-"

If the controller does not respond or reacts strangely to the buttons (jumps a few values, sets only in a certain range of values), it means that the user has changed the settings. You should then follow the above instructions for changing the settings.

If the controller is sent to the company as non-working, a shipping and configuration fee will be charged (in accordance with the price list and point 11 of the warranty)

BEFORE YOU CALL

Symptom	Tip
Strange characters resembling the letters E, S, h and other	You hold the device in reverse. Turn them 180 degrees. Don't worry, it happens a lot, which is why we've included it in the tooltips
The device does not respond to buttons	You probably set the wrong minimum and maximum power values, e.g. the same values. Go to settings.
Unable to set power to 0 or 100%	You have probably set the wrong values of minimum and maximum power, e.g. the same values. Go to settings.
A single press causes a large jump in value	That's what you set the jump in. Go to settings.
There is voltage at the output of the controller (power or valve) all the time.	<p>Unfortunately, this is due to inattention when plugging in or due to liquid spillage.</p> <p>The outputs in the controllers are at least twice as large. That is, at the output of the "pluses" there are BTA41 triacs, which are designed for 40 AMPERS.</p> <p>In addition, the outputs are galvanically isolated, and the triac leg is ONLY in contact with your heater. So the output circuit is electrically similar to a contactor.</p> <p>If someone does not believe it, he can go to a trusted electronics service and ask about the same situation with connecting speakers to the amplifier, 99.99999% is caused by the wrong treatment of the output, not the fault of the device.</p> <p>Repairs of such damage are paid (flat fee of PLN 20 + cost of components)</p>

Dear User,

First of all, we would like to thank you for choosing a PAMEL product. We are sure that you will be satisfied with this choice. We design our devices to meet your requirements and guarantee future trouble-free use.

Before using the equipment, carefully read the installation procedures and operating conditions described in the Owner's Manual.

If you have any doubts, please contact us.

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WARRANTY CONDITIONS.

1. PAMEL provides a warranty for the controller (without additional equipment) in the Republic of Poland for the period of 60 months (24 months for the basic and 36 months for the extended period) counting from the date of beginning of the warranty period, but not longer than 80 months from the date of production placed on the Product for which the warranty card is issued, provided that the equipment is used in accordance with the intended use and technical and operational conditions described in the User Manual.

Additional equipment (e.g. probes, heaters, etc.) is covered by the standard warranty provided in the KC.

2. The warranty does not cover movable elements of the product's equipment (accessories) intended for self-assembly by the user, e.g. antennas, sensors, handles, heaters, wires, power batteries.

3. The guarantor undertakes to remove physical defects free of charge, if these defects become apparent during the warranty period or to deliver the item free from defects, if within the period

At least 4 repairs have been made to the item and the item is still defective.

In the event of replacement, the product will be replaced with a new one, the same model or with similar, not worse technical parameters. If such an exchange is impossible, the Buyer will receive a refund.

3. The period of the basic warranty, provided for in point 1, is extended by the duration of the repair.

4. The duration of the repair is counted from the date of delivery of the item to the service point until the date of handing over the item to the carrier for delivery to the Buyer.

5. In the event of a defect, the Buyer reports this fact to the Guarantor by post

Internet (pamel@pamel.pl) or by phone, then the Guarantor first tries to solve the problem remotely and indicates the further way of the complaint procedure.

6. At the Guarantor's request, the Buyer is obliged to diligently fill in the Complaint Notification Report made available by the Guarantor.

7. The guarantor is responsible only for defects arising from reasons inherent in the subject of sale.

8. The warranty does not cover damage to equipment caused by improper or

use inconsistent with the installation and assembly, in particular, storage, maintenance, misuse, use of improper consumables,

unauthorized repairs or improvements, mechanical damage, fault of the

user, due to external reasons such as pollution, flooding, condensation of water vapour, atmospheric phenomena, random events. Damage to electronic components resulting from exceeding the rating parameters is also not covered by the warranty.

9. The warranty does not cover claims for the technical parameters of the devices, as long as they are in accordance with those specified by the manufacturer.

10. The condition for the Buyer to retain the rights under the warranty is the delivery of the equipment to the service point specified in point 5, in complete condition, in packaging to reduce the risk of damage, with documentation, cables and all other elements issued in connection with the performance of the sales contract, without tampered seals or stickers and the original warranty card signed by both parties.

11. The warranty does not cover materials and operations that are part of normal operation, e.g. installation of equipment, programming, cleaning and maintenance, replacement of bulbs and fuses, function check. The above-mentioned services are paid.

12. In addition to the situations referred to in points 7-11, the service point may refuse to make a warranty repair also in the case of:

- finding inconsistencies between the data contained in the sales documentation and the data of the device

- corrections made to documents by unauthorized persons
- removal of identification marks (stickers on the bottom of the device)

13. Physical defects of the device revealed during the warranty period will be removed within 21 days, counted from the day following the date of delivery of the device to the point of delivery of the Service. If you need to import spare parts from abroad

The guarantor reserves the right to extend the warranty period for the time necessary to repair, of which the Buyer will be informed each time by means of a Email.

14. The device should be installed in accordance with the required standards, technical requirements contained in the manual. If there is a legal requirement, the installation of the device must be carried out by a person with the appropriate authorization in this respect.

15. The rights and obligations of the parties in respect of the guarantee shall be governed solely by the Herein.

16. Equipment not collected from the service within 3 months from the completion of the repair is forfeited to the service.

17. In the event that the warranty repair requires the replacement of parts, the replaced element remains the property of the Guarantor.

18. The guarantor is not responsible for damage caused by the loss of user data stored in the device, we also inform you that the device will be returned in accordance with the production condition.

19. **By signing, the buyer declares that he has read the warranty conditions and accepts them.**

A warranty card without the Buyer's signature and the original sticker with the date of production on the bottom of the controller will be considered invalid.

REMARK!

The number of repairs does not include, in particular: cleaning, maintenance, replacement bulbs, filaments or fuses, repairs resulting from wear and tear due to the e.g. wear of potentiometers, etc.

WARRANTY PERIOD START DATE	SELLER'S STAMP	CUSTOMER SIGNATURE

Ver:1.09.2025



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