

ENGLISH

# PAMEL



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

## USER MANUAL

### TIMER SWITCH

## PT-1



PAMEL GAMINA TIK VALDIKLIUS, RINKINIŲ SU STATINĖMI

PAMEL MANUFACTURES CONTROLLERS ONLY - WE DO NOT SELL  
COMPLETE SYSTEMS

**PLEASE READ THE MANUAL**

**NEED HELP? CALL US - WE DON'T BITE**

453-343-360 OFFICE 9-14 WEEKDAYS

453-343-360 TECHNICAL SUPPORT 16-19 MON-SAT



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# IMPORTANT SAFETY RULES

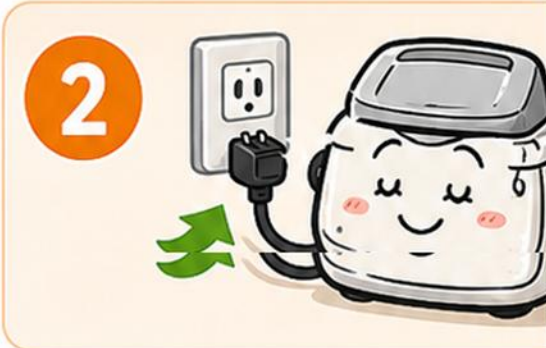
Before using the device, read the following rules.

Prieš naudoti

Do not dismantle the device or repair it yourself. Repairs may only be performed by qualified service personnel.



Do not pull the plug by the cable. Disconnect the device from the socket before cleaning or maintenance.



Protect the power cable and plug from damage. Use the device in a stable, dry place and do not step on the cable.



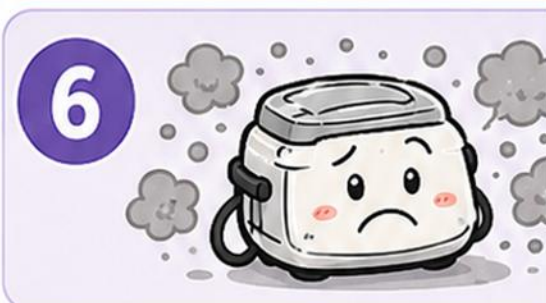
Do not touch the device with wet hands. Do not modify the electrical connection.



Do not use the device where it may be exposed to water or moisture. The enclosure is not waterproof.



Do not place the device in dusty or poorly ventilated areas. Do not block ventilation openings.



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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 install

equipment by qualified personnel.

The manufacturer is not responsible for damage that may result from improper installation or operation devices. Making repairs and modifications yourself will void 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 photographs, drawings and texts used in this manual are the property of PAMEL.

## **INTENDED USE**

**The PT-1 is a practical and universal timer designed for automatic switching on and off of various electrical devices with a power of up to 3.5 kW. Thanks to simple operation with two buttons and an easy-to-read LED display, the user can quickly and conveniently set the required operating time of the device, adjusting its operation to their needs.**

**The device is designed for the convenience of everyday use. The PT-1 remembers the entered settings even after a power failure, which means that there is no need to program the parameters anew each time after rebooting. This solution increases the comfort of work and allows you to maintain continuity of operation in many domestic, household and technical applications.**

**The controller can operate in various time modes, including cyclic modes, so it can be used wherever periodic or repetitive switching on of receivers is needed. The PT-1 can be used, among other things, to control fans, radiators, lighting, CO pumps, recirculation pumps, as well as septic tank aeration systems. It works well both in simple domestic installations and in more demanding technical applications, where repeatability of operation and reliability of operation are important.**

**Compact design, easy installation and intuitive operation make the PT-1 a convenient solution for users who expect a simple yet functional timer. The device allows you to automate the operation of multiple receivers, reduce the need for manual switching on and off, and better control the operating time of connected devices.**

**However, it is important to note that the PT-1 is not designed to regulate high inductance circuits. In the case of devices generating a high inrush current or operating under a high inductive load, special care must be taken and that the receiver is within the permissible operating parameters of the controller.**

## SYSTEM ADVANTAGES

The system is simple to install and use, while providing convenient and effective control of connected devices. It remembers the set times even after the power is turned off, so there is no need to reconfigure after rebooting.

| Model | T1 Resolution | T2 Resolution |
|-------|---------------|---------------|
| PT1   | 1 minute      | 1 minute      |
| PT2   | 1 second      | 1 second      |
| PT3   | 1 second      | 1 minute      |

## HOW IT WORKS

With two buttons, the user sets the time when the device is switched on or off. The currently set time value is displayed on the LED display in real time, which facilitates quick and convenient work setup.

After a power failure, there is no need to reprogram or set parameters. The device remembers the entered setpoints, so it can continue to work according to the previously selected configuration. In **S2 mode**, the controller automatically resumes operation when power is restored.

The device operates in seven modes, so it can be adapted to many everyday applications at home, workshop, farm or in various technical installations. Each mode has been prepared to make it easy to automatically turn devices on and off without the need to constantly keep track of the time.

**S0**In this mode, the "+" and "-" buttons allow you to quickly set the time with an accuracy of 1 minute. When the set time is greater than zero, the device immediately turns on the power and starts the countdown. This is a very convenient solution when you want to quickly start the device only for a certain time, without prior programming. After a power failure, the mode does not resume operation, which increases the safety of use. It works similarly to the snooze or time-off function on the TV. **Examples of applications:** Temporary switching on of a heater, radiant heater, lamp, fan, heater, pump or other device that is intended to operate only for a certain period of time.

**S1**In this mode, the "+" and "-" buttons act as START and STOP. The operating time is pre-set, and the user starts the device when he needs it. This is a convenient option where you want to have a set time ready and turn on the

**device with one button.**

**Examples of applications:** Running pumps, fans, aeration, recirculation, lighting or other equipment that is to run for the same predetermined time at all times.

**S2S2 mode is used for cyclic operation. The device automatically turns the connected receiver on and off according to the set times. After a power failure, it remembers the settings and can return to work automatically. This is a very practical solution wherever regular, repetitive operation without user intervention is needed.**

**Examples of applications:** CO pumps, circulation pumps, septic tank aeration, recirculation pumps, fans, room ventilation, cyclical switching on of lighting or other devices that operate periodically.

**S3In this mode, the "+" and "-" buttons allow you to change the setting on the fly. The difference is that after counting down the set time, the device only turns on the voltage. This is very useful when you want to delay the start of the device and start it only after a certain time.**

**Examples of applications:** delayed switching on of a fan, pump, lighting, heater, or other device that is expected to start with a delay.

**S4This mode works similarly to S0, but the time is set in increments every 15 minutes. This allows you to set longer operating periods very quickly without repeatedly pressing the buttons. This is a convenient solution when the device is to work for several hours and we want to set the time quickly.**

**Examples of applications:** temporary switching on of heating, drying, ventilation, lighting, heaters or other consumers that are intended to operate for an extended period of time.

**S5The S5 mode is similar to the S2, but additionally introduces an element of randomness. The user sets the T1 time, while the T2 time changes randomly between 1 and 10 minutes. Thanks to this, the operation of the device does not always take place in the same rhythm. This is especially useful where regularity could reduce the effectiveness of the action.**

**Examples of applications:** mole repellents, animal repellents, irregular switching, aeration or other devices that are intended to operate at variable intervals.

**S6This mode is used to temporarily turn off the device. When START is pressed, the receiver is disconnected, and after the set time has elapsed, it turns on again. At any time, the user can interrupt the countdown and manually resume operation with the STOP button. This is a very convenient solution wherever you want to take a short break in the operation of the device.**

**Examples of applications:** turning off filters when feeding fish, temporarily stopping pumps, fans, recirculation, aeration or other devices that are to automatically return to operation after a certain period of time.

**S7The mode works similarly to the S1. The "+" and "-" buttons function as START and STOP, and the countdown time is pre-programmed. An additional**

## OPERATING MODES - EXAMPLES OF USE

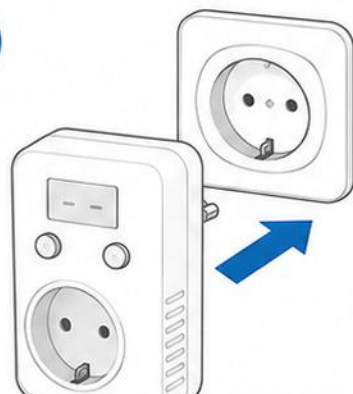
| MODE | OPERATING CYCLE                                                                      | EXAMPLE APPLICATION                                                                     |                           |
|------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|
| S0   |    |  N   | e.g. heater, lamp         |
| S1   |   |  N  | e.g. heater, lamp         |
| S2   |  |  N | e.g. central-heating pump |
| S3   |  |  N | e.g. fish feeder          |
| S4   |  |  N | e.g. heater, lamp         |
| S5   |  |  N | e.g. mole repeller        |
| S6   |  |  N | e.g. fish feeder          |

1



PRESS BOTH BUTTONS

2



PLUG INTO SOCKET

3



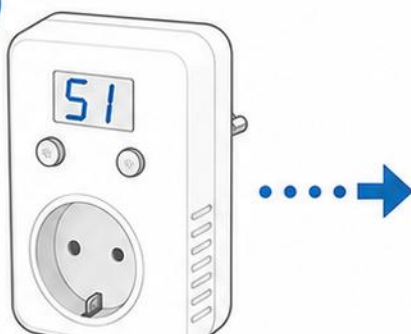
RELEASE BUTTONS

4



SELECT MODE

5



WAIT A FEW SECONDS

6



MODE CONFIRMED

7



SET THE VALUE

8



WAIT A FEW SECONDS

9



SETTING CONFIRMED

To set the operating mode of the device, you must first press and hold both buttons. By holding them down, you need to plug the device into an outlet. The display will show 1188. Only then can you let go of the buttons.

After a while, the device will switch to selecting one of the operating modes: **S0, S1, S2, S3, S4, S5, S6 or S7**. The appropriate mode is selected using the "+" and "-" buttons. If no button is pressed for several seconds, the selected mode will be saved automatically.

After the mode is approved, the device itself proceeds to set the operating time appropriate for a given program.

**S1 Mode**After saving the mode, the device enters the **T1 time setting**, which is the time of single switch-on.

**S2 Mode**After saving the mode, the device first goes to the **T1 time setting**, which is the operating time of the device. Then, after a while, it moves on to setting **the T2 time**, which is the break time. In this way, you can set recurring work.

**S3 Mode**After saving the mode, the device enters the **T1 time setting**, which is the countdown time before switching on.

**S5 Mode**After saving the mode, the device enters the **T1 time setting**, which is the off time.

**S6 Mode**After saving the mode, the device enters the **T1 time setting**, which is the off time.

**S7 Mode**After saving the mode, the device enters the **T1 time setting**, which is the switch-on time.

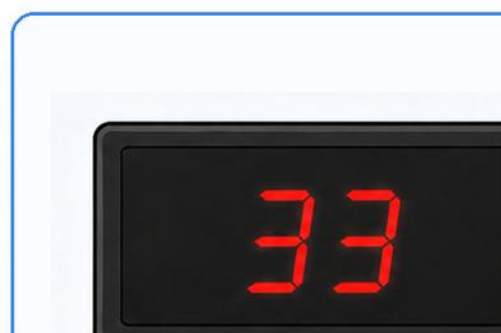
**This makes device setup simple and quick, and once selected, the mode can be easily adapted to your specific application.**

## STRANGE SYMBOLS ON THE DISPLAY?

It may not be a fault.



If the display shows strange symbols, e.g. "ee"...



...turn the device 180° and read it again.

**It will start showing "33".**

This is a common situation - simply rotate the device.

# TECHNICAL PARAMETERS

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

Operating temperature: -10 to +60°C

Load capacity: 3.5kW

Resolution: 1 minute

Maximum Time: 999minutes

Maximum power consumption: 0.2W

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

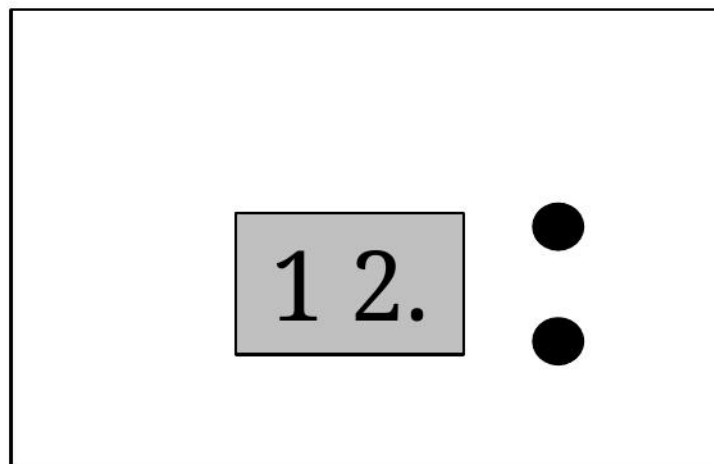
Housing: Self-extinguishing plastic

Protection Grade: IP20

Warranty: 60 months from the date of sale

Compliance with standards: PN- EN 60529

Lead-free (Pb-Free)





## LEGAL OPERATION AND RECYCLING

1

We operate legally - our products are registered in the Polish BDO waste database under number BDO000073814.

2

After the product reaches the end of its life, take it to an appropriate collection point or return it to us.

3

When reselling unregistered equipment, the seller becomes responsible for placing it on the market.

## CE

### CE CERTIFICATE AND DECLARATION OF CONFORMITY

All our products have a certificate or declaration of conformity and meet the applicable requirements.

The CE mark confirms conformity with the applicable requirements; non-compliant equipment must not be placed on the market.

## BEFORE USING THE DEVICE



Read the installation procedure and operating conditions described in this manual carefully.

**If you have any questions, please contact us**

**453-343-360 OFFICE 9-14 WEEKDAYS**

**453-343-360 TECHNICAL SUPPORT 16-19 MON-SAT**

Read the manual first - it saves time and helps avoid mistakes.

# PAMEL

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## BEFORE CALLING SERVICE

1

### Device does not switch on

Check the mains socket, power supply and the permitted load of the device.

2

### The timer counts down but there is no output

The selected mode may switch the output only after the countdown. Check the selected operating mode.

3

### The display shows strange symbols

Turn the device 180°. It may only be an orientation issue, not a fault.

4

### Unable to select the required mode

Enter mode selection during power-up as described in the manual. The display should show 188.

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## PAMEL PRODUCT CENTER

Manuals, FAQ, PAMEL EDU, documents and software in one place.



<https://serwer.pamel.pl/>

Manual version: 23.08.2026

## 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.**

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

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

### WARRANTY CONDITIONS

1. PAMEL provides a warranty for the controller (without additional equipment) in the Republic of Poland for a maximum period of 60 months:

- o 24 months basic warranty,
- o 6 months extended manufacturer's warranty,
- o In addition, it is possible to purchase a warranty extension of up to 40 or 50 months.

The total warranty period must not exceed 80 months from the date of manufacture of the device. Additional equipment (e.g. probes, heaters) is covered by a standard warranty under the Civil Code. The purchased warranty extension is confirmed by a hologram sticker on the warranty card.

2. The warranty does not cover consumables and accessories intended for self-assembly (e.g. antennas, sensors, holders, heaters, cables, batteries).
3. During the warranty period, the manufacturer undertakes to remove physical defects free of charge. If at least four repairs have been carried out under the basic warranty and the device is still defective, the Buyer has the right to exchange it for a new copy with equivalent parameters or to a refund.
4. The warranty period is extended by the duration of the repair.
5. Complaints should be submitted by e-mail (pamel@pamel.pl) or by phone. The manufacturer will first try to solve the problem remotely and indicate further complaint steps.
6. At the manufacturer's request, the Buyer is obliged to fill in the complaint protocol.
7. The warranty covers only defects caused by the device.
8. The warranty does not cover damage resulting from:
  - o improper installation, operation or maintenance,
  - o storage in inappropriate conditions,
  - o use of improper consumables,
  - o independent repairs or modifications,
  - o mechanical damage, flooding, condensation of water vapour, pollution, atmospheric phenomena, random events,
  - o exceeded the nominal parameters.
9. The warranty does not cover claims regarding the technical parameters of the device, as long as they are in accordance with the manufacturer's data.
10. The condition for maintaining warranty rights is the delivery of the device:
  - o in complete condition,
  - o in packaging that protects against damage,
  - o with documentation, cables and additional elements,
  - o without removed or damaged seals and stickers,
  - o with the original warranty card signed by both parties and a sticker with the date of manufacture.
11. The warranty does not cover services and materials related to normal operating (e.g., assembly, programming, cleaning, maintenance, replacement of fuses and bulbs). These services are charged.
12. The Service may refuse to perform a warranty repair in the event of:
  - o inconsistency of the data in the documentation with the actual state of the device,
  - o unauthorized amendments to documents,
  - o remove device identification marks (e.g. stickers).
13. Warranty repairs are carried out within 21 days from the date of delivery of the device for service. If it is necessary to import a part from abroad, this deadline may be extended – the Buyer will be informed about it by e-mail.
14. Installation of the appliance must be carried out in accordance with the standards and the operating instructions. If required by law, the installation must be carried out by a person with the appropriate permissions.
15. The scope of the rights and obligations of the parties is governed exclusively by this document.

16. Equipment not collected from the service within 3 months of the completion of the repair becomes the property of the service.
17. The parts replaced during the repair remain the property of the manufacturer.
18. The manufacturer is not responsible for the loss of user data stored on the device. After repair, the device is returned in a state restored to factory settings.
19. By signing the warranty card, the buyer confirms that he has read the terms of the warranty and accepts them. A card without a signature and without an original sticker with the date of production is invalid.

**Note:** The number of repairs does not include maintenance, cleaning, replacement of bulbs, fuses, wear and tear or repairs resulting from natural wear and tear (e.g. potentiometers).

| WARRANTY START DATE | SELLER STAMP | CUSTOMER SIGNATURE |
|---------------------|--------------|--------------------|
|                     |              |                    |

23.08.2026