



USER MANUAL
TIMER SWITCH
PT-2



serwer.pamel.pl
PAMEL Product Center

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OPERATING PRINCIPLE

- PT-2 is a plug-in timer switch. It controls mains voltage at its output socket according to the selected S0-S6 mode and the programmed time.
- The device is operated with two buttons, '+' and '-'. The three-digit LED display shows the operating mode or the current time value.
- Selected settings are retained. After a power interruption you do not normally need to select the operating mode again.
- WARNING: the maximum permitted user load is 3 kW. Do not use PT-2 directly with high-inrush or highly inductive loads unless a suitable contactor or intermediate relay is used.

S0

120

S6

INTENDED USE AND SAFETY

- PT-2 is intended for timed ON/OFF control, delayed start and cyclic operation of 230 V loads such as lighting, resistive heaters, pumps or fans within the permitted load.
- Use indoors in a dry location. IP20 does not protect the device against water or conductive dust.
- DANGER: the device operates from 230 V mains. Do not open the enclosure, do not use a damaged unit and do not perform unauthorised repairs.
- Before connecting a load, check its rated power and load type. If in doubt, use an external switching device selected by a qualified person.



CONTROLS AND DISPLAY SCREENS

- LED display - shows a time value, mode S0...S6 or 88 when entering configuration.
- '+' button - increases a value or selects the next mode. In some modes it changes time during normal operation.
- '-' button - decreases a value, selects the previous mode or acts as START/STOP depending on the selected program.
- T1 and T2 are timer values used by selected modes. PT-2 normally uses 1-second resolution; S4 changes in 15-second steps.

88

S2

T1

T2

FIRST START AND MODE SELECTION

- 1. Unplug PT-2 from the mains socket.
- 2. Press and hold '+' and '-' together.
- 3. While holding both buttons, plug PT-2 into a 230 V socket. The display shows 88.
- 4. Release the buttons. After a moment, S0...S6 mode selection appears. Select the required mode with '+' and '-'.
- 5. Leave the buttons untouched for several seconds. The mode is stored and the device moves to the required time setting.
- TIP: if you do not want to change the mode, plug PT-2 in normally without holding both buttons.

88

S0

S1

S2

S3

S4

S5

S6

MODES S0 AND S1

- S0 - quick countdown. '+' changes the time in 1-second steps. When the time is above zero, the output is ON and the countdown runs. A short press of '-' starts/stops the countdown; a longer press resets the time.
- S1 - fixed operating time. Program T1 in advance. During normal operation the buttons act as START and STOP. Use this mode when the load should run for the same duration every time.

S0

001

120

000

MODES S2 AND S3

- S2 - cyclic operation. T1 is the ON time and T2 is the OFF time. After start, PT-2 repeats the T1/T2 cycle automatically.
- S3 - delayed switch-on. T1 counts down while the output is OFF. When the timer reaches zero, PT-2 switches the load ON.
- Example S2: pump ON for 30 s and OFF for 90 s - set T1=30, T2=90.
- Example S3: fan starts after 180 s - set T1=180.

S2

030

090

S3

180

MODES S4, S5 AND S6

- S4 - similar to S0, but the time changes in 15-second steps, making longer countdowns faster to set.
- S5 - irregular mode. The user sets T1, while T2 is random between 1 and 10 seconds. Use where a fixed repeating rhythm is undesirable.
- S6 - temporary switch-off. After START the output is switched OFF for T1 and then switches ON again. STOP can restore normal operation earlier.

S4

015

S5

S6

300

SETTING T1 AND T2

- PT-2 has 1-second time resolution and a maximum setting of 999 seconds.
- S0 - time adjusted during operation. S1 - set T1. S2 - set T1 then T2. S3 - set T1. S4 - time in 15-second steps. S5 - set T1; T2 is random 1-10 s. S6 - set T1.
- After setting a value, leave the buttons untouched for several seconds so that the setting can be accepted.
- If the behaviour is not as expected, first verify the selected S0-S6 mode and only then check T1/T2.

S0	1 s
S1	T1
S2	T1 + T2
S3	T1
S4	15 s
S5	T1 + random 1-10 s
S6	T1

PRACTICAL EXAMPLES

- Lamp or resistive heater should run for 120 s after each start: select S1 and set T1=120.
- Pump should cycle 30 s ON / 90 s OFF: select S2, T1=30, T2=90.
- Load should switch on after 3 minutes: select S3 and set T1=180.
- A deterrent device should operate irregularly: select S5 and set a suitable T1.
- Aquarium filter should be OFF for 5 minutes during feeding: select S6 and set T1=300.

TECHNICAL DATA

Supply voltage	230 V, -20% / +10%, 50 Hz
Operating temperature	-10...+60 °C
Maximum user load	3 kW
Time resolution	1 s
Maximum time	999 s
Power consumption	max. 0.2 W
Dimensions	approx. 80 × 60 × 60 mm
Enclosure	self-extinguishing material
Protection rating	IP20
Warranty	60 months from date of sale
Document references	PN-EN 60529; CE; Pb-Free

3 kW
MAX. LOAD

BEFORE CALLING SERVICE

SYMPTOM	POSSIBLE CAUSE	WHAT TO DO
No display	No 230 V supply or faulty socket	Test the socket with another appliance. If the socket is good, unplug PT-2 and contact service.
Load does not switch on	Wrong mode, time set to 0, or unsuitable/excessive load	Check S0-S6 and T1/T2. Check load rating. Never test by overloading the timer.
Cyclic timing is wrong	T1/T2 reversed or wrong mode selected	Enter configuration and set S2 and T1/T2 again.
Cannot change mode	Trying to change it during normal operation	Unplug PT-2. Plug it back in while holding both buttons until 88 appears.
Smell, excessive heat or discoloration	Overload or damage	Disconnect PT-2 and the load immediately. Do not reuse before inspection.

MAINTENANCE, COMPLIANCE AND DISPOSAL

- Disconnect PT-2 from the mains and the load before cleaning. Use a dry or slightly damp soft cloth; do not use solvents.
- Do not open the enclosure. Dangerous mains voltage is present inside and unauthorised intervention may void the warranty.
- Do not dispose of the device with household waste. Take it to an appropriate WEEE collection point.
- CE, Pb-Free and the crossed-out wheeled-bin symbols indicate conformity, lead-free construction and separate collection requirements.

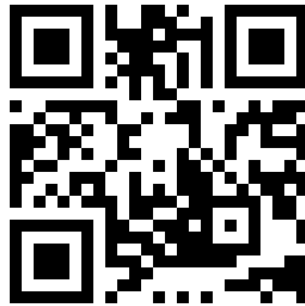


PRODUCT CENTER AND MANUAL VERSION

- The main PAMEL help entry point is serwer.pamel.pl. It provides Product Center, current manuals, FAQ and other materials.
- Scan the QR code on this page or enter: <https://serwer.pamel.pl/>
- Model: PT2. Manual version: 23.08.2026.
- Contact: pamel@pamel.pl | PAMEL, 42-300 Myszków, ul. Urodzajna 5E, Poland.

REVISION HISTORY

23.08.2026 — manual layout standardized; troubleshooting and the main PAMEL Product Center added.



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

TERMS AND CONDITIONS OF THE WARRANTY.

1. PAMEL grants a warranty within the territory of the Republic of Poland for 60 months from the date of sale, but no longer than 80 months from the production date marked on the Product for which the warranty card was issued, provided that the equipment is used for its intended purpose and in accordance with the technical and operating conditions described in the User Manual.
2. The warranty does not cover movable elements of the product equipment (accessories) intended for installation by the user, such as antennas, sensors, holders, heating elements, cables or supply batteries.
3. The Guarantor undertakes to remedy physical defects free of charge if they become apparent during the warranty period, or to provide a defect-free item if at least four repairs of the item have been performed during the warranty period and the item sold is still defective. In the event of replacement, the product will be replaced with a new product of the same model or a comparable model with technical parameters no worse than the original. If replacement is not possible, the Buyer will receive a refund of the amount paid.
4. The warranty period referred to in point 1 is extended by the duration of the repair. The repair period is counted from the day the item is delivered to the service point with the required documents and legible Customer details until the day the item is handed over to the carrier for delivery to the Buyer.
5. If a defect occurs, the Buyer reports it to the Guarantor by e-mail (pamel@pamel.pl) or by telephone. The Guarantor first attempts to solve the problem remotely and indicates the further complaint procedure.
6. At the Guarantor's request, the Buyer is obliged to complete truthfully the Complaint Report form provided by the Guarantor.
7. The Guarantor is liable only for defects caused by reasons inherent in the item sold.
8. The warranty does not cover damage caused by improper use or use inconsistent with installation and assembly requirements, in particular improper storage or maintenance, use contrary to the intended purpose, use of unsuitable consumables, unauthorized repairs or modifications, mechanical damage, the user's fault, or external causes such as contamination, flooding, condensation, atmospheric phenomena or accidental events. The warranty also does not cover damage to electronic components resulting from exceeding rated parameters.
9. The warranty does not cover claims relating to the technical parameters of the device if those parameters are consistent with the manufacturer's specifications.

TERMS AND CONDITIONS OF THE WARRANTY.

10. A condition for retaining warranty rights is delivery of the complete device to the service point referred to in point 5, in packaging reducing the risk of damage, together with documentation, cables and all other items supplied in connection with the sale, with seals or labels intact and with the warranty card.
11. The warranty does not cover materials and activities forming part of normal operation and servicing, such as installation of the equipment, programming, cleaning and maintenance, replacement of bulbs and fuses, or functional checks. These services are chargeable.
12. In addition to the situations referred to in points 7-11, the service point may refuse warranty repair if the data in the sales documentation do not match the device data or if documents have been altered by unauthorized persons.
13. Physical defects of the device revealed during the warranty period will be remedied within 21 days, counted from the day following delivery of the device to the service point. If spare parts must be imported from abroad, the Guarantor reserves the right to extend the repair period by the time necessary to complete the repair; the Buyer will be informed each time by e-mail.
14. The device should be installed in accordance with the required standards and the technical requirements contained in the manual. Where the law requires it, installation must be carried out by a person holding the appropriate qualifications.
15. The rights and obligations of the parties with regard to the warranty are governed exclusively by the provisions of this document.
16. Equipment not collected from the service point within 3 months after completion of the repair becomes the property of the service point.
17. If a warranty repair requires replacement of a part, the replaced part remains the property of the Guarantor.
18. The Guarantor is not liable for damage resulting from the loss of user data stored in the device. The device may be returned in its production/factory state.
19. By signing, the Buyer declares that they have read and accept the warranty conditions. A warranty card without the Buyer's signature will be considered invalid.
- ATTENTION! The number of repairs does not include, in particular, cleaning, maintenance, replacement of bulbs, filaments or fuses, or repairs resulting from normal wear during operation, e.g. wear of potentiometers.

WARRANTY START DATE	SELLER STAMP	CUSTOMER SIGNATURE