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WE. 19 11 2025



# PROGRAMMABLE TIMERS

MON. 12 03 2024

Programmable timers are used for time-based control of devices in **home** and **industrial** automation systems.

TH. 23 08 2025

23:30:00



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MON. 26 09 2025

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TH. 23 08 2025

Programmable timers are used for the control of devices in home and industrial automation systems and lighting according to an individual time program set by the user.

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## Universal programmable timer

The controller combines the features of an astronomical, weekly and annual timer.  
The timer can be programmed to work in the tariff plans of the various energy operators.

### PCZ-528

Universal  
programmable timer

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- 256 relay on/off programs
- each program can be executed in one of the seven date ranges defined in the annual cycle
- ability to enter up to 32 holidays and select which programs will run on holidays
- for each of the work programs, it can be independently determined whether the program will be executed in an **hourly cycle** (fixed hour and minute) or in an **astronomical cycle** (linked to the position of the sun in relation to the horizon)
- in each of the astronomical programs, you can independently set the **on/off offset** relative to the selected astronomical point (e.g., turn on one hour before sunset, turn off two hours after dusk)
- for each program you can freely choose on **which days of the week** it will be executed
- ability to program the timer with the free PCZ Configurator mobile application using the NFC\* short-range radio communication system
- ability to secure the timer settings with a PIN code
- advanced operating time counter to measure the time the receiver is switched on:
  - current day and month
  - monthly, for the last 12 months
  - total time from the first start of the timer
- auxiliary, erasable, operating time counter
- possibility to limit the total time of the receiver switch-on (up to a maximum of 99999 hours)
- control input for connecting an external push button
- backlit LCD display with adjustable brightness level and contrast
- replaceable 2032 type battery to keep the timer running in power failure\*\*

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## Weekly

The timer turns on and off the device or electrical circuit at programmed times in the following cycles: daily, weekly, weekdays (Mon.- Fri.) or weekend (Sat., Sun.)

### PCZ-521.3

ON / OFF 1-channel

### PCZ-522.3

ON / OFF 2-channel

### PCZ-521.3 - PLUS

ON / OFF 1-channel

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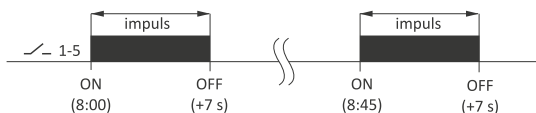


## School

Timer controls the devices according to an individual time program set by the user. The timer is used, for example, to switch on school bells or other devices that require short switches at specific times.

### PCZ-523

For bell control,  
without NFC



## Astronomical

Based on information about the current date and geographical coordinates of the installation site, the timer automatically determines daily programmed switch-on and switch-off points. The time is set by one of four control options:



Astronomical sunset and  
sunrise



Civil twilight / civil dawn



Correction  
- user settings



Time - setting of a „fixed“ switch-on or switch-off time independent of the cycle of sunrise and sunset. Between the programmed switch-on and switch-off points, it is possible to program a night-time break, i.e. to temporarily switch off the receivers for saving purposes.

### PCZ-524.3

1-channel, without  
programmable night-time break

### PCZ-525.3

1-channel, with programmable  
night-time break

### PCZ-526.3

2-channel, with programmable  
night-time break

### PCZ-525.3 - PLUS

1-channel, with programmable  
night-time break

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## Timers with „PLUS” feature

PCZ-525.3-PLUS with night-time break function, brightness sensor input, and the option to connect a button allows you to temporarily interrupt program execution and manually control the receiver. Programmed manually or remotely via NFC and mobile app. The timer is equipped with a backlit LCD display.

PCZ-521.3-PLUS is a timer operating in a weekly cycle, with a memory of 500 program steps. Programmed manually or remotely via NFC and mobile app. External timer control input and backlit LCD display.

### PCZ-525.3 - PLUS

With the night-time break function



### PCZ-521.3 - PLUS

1-channel, programmable timer



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## Programmable

The PCZ-531 LED controller is designed for programmed, time-based control of low-voltage LED circuits (LED strips, 12÷24 V dimmable LED bulbs).

### PCZ-531 LED

with LED control output

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## Purpose

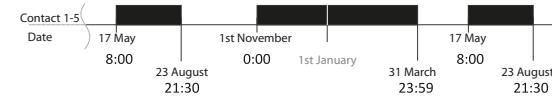
Programmable timers are used for time-based control of devices in home or industrial automation systems according to an individual time program set by the user.

## Yearly

Switches devices on and off according to programmed dates and times in an yearly cycle. Ability to set the switch-on only for one selected day of the year. In addition, it is possible to set a specific hour and minute of switch-on and switch-off for the set date.

### PCZ-529.3

1-channel ON/OFF



PCZ-521.3 - ON/OFF weekly, 1-channel  
PCZ-521.3 - PLUS 1-channel, programmable timer  
PCZ-522.3 - ON/OFF weekly, 2-channel  
PCZ-523 - for bell control, without NFC  
PCZ-531 LED - with LED control output

PCZ-524.3 - astronomical, 1-channel  
PCZ-525.3 - astronomical, 1-channel, with night-time break  
PCZ-526.3 - astronomical, 2-channel, with night-time break  
PCZ-528.3 - universal, 1-channel  
PCZ-525.3 - PLUS - astronomical, 1-channel

PCZ-528.3 - universal, 1-channel  
PCZ-529.3 - ON/OFF annual, 1-channel

Timers switch the devices on and off at programmed times in cycles: daily, weekly, weekdays (Mon.-Fri.) or weekend (Sat., Sun.).

Based on information about the current date and geographical coordinates of the installation site, the timers automatically determine daily on and off times. The time is determined by one of three control options: astronomical sunset and sunrise, civil twilight/dawn, individual user settings.

Switches devices on and off according to programmed dates and times in an yearly cycle. Ability to set the switch-on only for one selected day of the year. In addition, it is possible to set a specific hour and minute of switch-on and switch-off for the set date.



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The app is  
available on  
Google Play!

## PCZ Configurator app

A free app for phones and tablets running Android and equipped with an NFC wireless communication module

- timer configuration in the offline mode (no connection to the timer required)
- setting the coordinates by selecting a defined location (coordinate code), directly point to the location on the map on the phone or rewrite the current position registered by the GPS on the phone
- reading and writing the configuration to the controller
- quick programming of multiple controllers with one configuration
- reading and writing the configuration to the file
- configuration sharing via e-mail, Bluetooth, network drives and more
- unique identification of the connected timer and the ability to give the devices their own names
- automatic backup of the configuration. Combined with the unique identifier of each clock, you can easily restore the previous configuration
- setting the time and date based on the phone's watch

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## Timer functions

- 500 memory cells
- on/off feature
- wireless NFC communication
- relay status memory
- automatic summer/winter time change
- timer correction
- automatic and manual operation
- battery charge level
- LCD setting
- PCZ Configurator app for your smartphone

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F&F is a Polish family company with established traditions. Currently, we are one of the largest Polish manufacturers of high-quality electronic devices in the field of relay technology, designed for home and industrial applications and modern smart building control system.

Our offer includes time relays, timers, phase control relays, dusk switches, energy meters, building automation systems, telemetry solutions, and measuring transducers.

We have been with you since 1992.

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**More information  
about programmable timers  
can be found at:**



F&F Filipowski sp.k.  
79/81 Konstantinowska Street  
95-200 Pabianice, POLAND



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