



PCZ-528.4

Universal programmable time switch

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The PCZ-528.4 control timer is a universal programmable timer that combines the features of an astronomical, weekly and annual timer.

Configuration for iOS and Android phone.



FUNCTIONING

DESCRIPTION

Functioning

The PCZ-528.4 clock controller can operate in one of the three modes of operation:

» Automatic mode

Operation in automatic mode involves the automatic processing of all programs stored in the memory of the controller.

» Semi-automatic mode

Semi-automatic mode means a temporary interruption of operation in automatic mode and the possibility of manually switching the relay contact to the opposite position. The timer operation in semi-automatic mode is indicated by blinking of the timer dial on the controller display. Operation in semi-automatic mode is stopped when the next operating program

is activated, after which the controller returns to automatic mode.

» Manual mode

In manual mode, the list of programs stored in the memory of the controller is ignored and switching on/off is performed manually by the user. In manual mode, the state of the relay can be changed by briefly pressing the +/- button on the front of the controller or an external button connected to the timer control input.

Timer functions

- 256 programs for switching the relay on/off;
- Each of the programs can be executed in one of the seven date intervals 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 (related to the position of the sun in relation to the horizon);

- In each of the astronomical programs, it is possible to set an independent shift of switching on/off in relation to the selected astronomical point (e.g. turn on one hour before sunset, turn off two hours after dusk);
- For each of the programs, you can freely choose which days of the week it will be performed;
- Possibility to program the timer with the free PCZ Konfigurator mobile application using the NFC* short-range radio communication system;
- Possibility to protect the clock settings with a PIN code;
- Advanced work time counter that allows you to measure the receiver activation time:
 - on the current day and month;
 - monthly, from the last 12 months;
 - total from the moment the clock was first started.
- Auxiliary, resettable, work time counter;
- Possibility of limiting the total time of the receiver activation (up to a maximum of 99999 hours);
- Control input that allows connection of momentary external button;
- Backlit LCD display with adjustable brightness and contrast levels;
- Replaceable 2032 type battery to keep the clock running in case of power failure**.

* Remote programming requires an Android phone with built-in NFC communication and free PCZ Configurator app (downloadable from Google Play store). NFC communication range is limited to a few centimeters, so a direct phone-to-timer connection is required to transfer the configuration from the app to the timer.

** In the event of a power failure, the internal battery will only support the internal clock so that the current time and date will not be lost. In the event of a power failure, all external timer functions, such as the display and relay, remain disabled.

TECHNICAL DATA

Depth	65 mm
Height	90 mm
Width	35 mm
Width in number of modular spacings	2
Max. switching power LED	250 W
Nominal switching current at 250 V AC	16 A
Number of memory locations	250
Shortest switching time channel 1	1.00000008 min
Number of contacts	1
Accuracy per day	1 s
Autonomy in years	6
Number of channels	1
Supply voltage	24-265 V
Text guidance in display	No
External programming	Yes
With memory card	No
60 min program	Yes

24 h program	Yes
Weekly program	Yes
Annual program	Yes
Holiday program	Yes
Impulse program	No
Cycle program	Yes
Astro program	Yes
Random program	No
Hour meter	Yes
Mains synchronous	No
Quartz controlled	Yes
Radio-controlled	No
Radio-controlled (DCF77)	No
GPS (global positioning system)	No
Automatic switching summer/winter time	Yes
Suitable for manual operation	Yes
External push button input	Yes
Switching preselection	No
Potential free switch contact	Yes
Mounting method	DIN rail
Voltage type (supply voltage)	AC/DC
Contact type	Change-over contact (NO/NC)
Degree of protection (IP)	IP20
Shortest switching time channel 2	0 min
Autonomy in hours	0