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PCZ-526.3

2-channel astronomical time switch

Index: PCZ-526.3

The astronomical timer is used to turn on/off lighting or other electrical receivers in accordance with daily, astronomical points of sunset and sunrise.

Two-channel. With a programmable night break.



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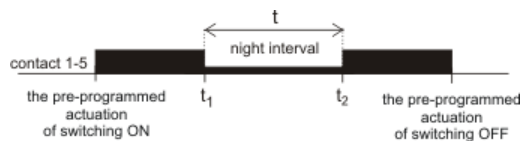
DESCRIPTION

Two independent channels programmed separately.

Night interval programmable for each channel separately.

Functioning

The astronomical timer on the basis of information about current date, geographic coordinates of the place of its installation (location) and move the terms of hourly Time (Greenwich UT) automatically sets daily, and time I points of turn on/off of timer's contact and be attached in accordance with the sunrises and sunsets. The time points of the turn on/off can be configured by the user by the hourly and TRANSFERRED CORRECTION OF TIME, ie, it is possible to accelerate or delay programmable points of turn on/off (a separately point ON and point OFF) in relation to the sunrise and sunset. Between the programmable points of the turn on/off it is possible to program night interval, which sets a temporary exemption for savings.



Timer functions

AUTO MODE - Automatic work according to programmable points switch on/off

MANUAL MODE - [ON] include permanent contact (pos.1-5 and 2-7) or [OFF] permanent disconnection contact (pos.1-6 and 2-8)

PROGRAMMABLE POINT [ON] - the time of contact annexing (poz.1-5 and 2-7) based on the astronomical point of sunset and programmed by the user and Hourly TRANSFER OF TIME CORRECTION

PROGRAMMABLE POINT [OFF] - Disconnect the time of contact (poz.1-6) on the basis of the astronomical point of sunset and programmed by the user and Hourly TRANSFER OF TIME CORRECTION SETUP - the location and designation of the program for annexing POINTS AND EXEMPTIONS.

SETUP - set up location and programmable ON/OFF points.

LOCATION - Coordinates code or manual entering any geographical coordinates (for Coordinates CODE No 86 - YOUR LOCATION).

COORDINATES CODE - assigned to geographical coordinates for specified cities to facilitate the entry of location (city and assigned codes are listed in the table)

GMT SHIFT - the designation of geographic time zone within $\pm 1 \div 12$ hours (at 1 hr.) compared with the universal time UT Greenwich (00). For Poland 1 hr .. Time points sunrise and sunset are simultaneous a shift by given value.

TIME CORRECTION - Accelerate or delay the time of annexing or exclusions in relation to the astronomical time points east and west sun. The settings in terms of the 99min.Are separately for the sunrise and sunset

NIGHT INTERVAL - Set by the user a temporary exclusion between turn on/off program points.

AUTOMATIC TIME CHANGE - Change of time from winter to summer is done automatically at night, on the last Sunday in March at 2.00 (by adding 1 hour to the current time). The change from summer time to winter is done automatically at night, on the last Sunday in October at 3.00 (by subtracting 1 hour from the current time).

DST - Daylight Saving Time - Global name of the daylight saving time (free translation: time to obtain sunlight). Modifications to the turn off of an automatic change of time.

DATE VIEW - in AUTOMATIC MODE pressing the button '+' displays proper date (dd-mm-yy). After 5sek. clock will automatically go to the main menu.

PROGRAMMABLE ON/OFF POINTS PREVIEW - in AUTO MODE following pressing of OK button will show next settings in order: programmable point [ON], beginning of the night interval, end of the night interval, programmable point [OFF]. After 5sek. clock will automatically go to the main menu.

RESET - Processor resetting by specific button - necessary in case of suspension of the functions of the clock. Do not delete the date and time entries, and configuration memory.

MEMORY RESET ("hard" reset) -delete all previous settings for date, time and configuration. Pressing the MENU button and - at the same time> 3sec.

Table code coordinates

For precise settings of the timer's turn on/off inclusions and exclusions the clock, working for sites with different geographic coordinates, it is possible to set the latitude and longitude, or select the appropriate code that is automatically set to the coordinates of the city in the World.

KOD WSP.	MIASTO	SZER. GEOGRAF.	DŁ. GEOGRAF.
1	Aleksandrów Kujawski	52°52' N	18°42' E
2	Aleksandrów Łódzki	51°49' N	19°18' E
3	Annopol	50°53' N	21°51' E
4	Augustów	53°51' N	23°00' E
5	Białystok	53°08' N	23°09' E
6	Bielsko-Biała	49°49' N	19°02' E
7	Bydgoszcz	53°09' N	18°00' E
8	Bytom	50°21' N	18°58' E
9	Chelmża	53°11' N	18°37' E
10	Cieszyn	49°46' N	18°36' E
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82	Września	52°19' N	17°35' E
83	Zawiercie	50°30' N	19°26' E
84	Zielona Góra	51°56' N	15°30' E
85	Żywiec	49°41' N	19°13' E
86	Położenie Użytkownika	52°15' N	21°00' E

Complete list of the cities and the corresponding codes can be found in the instructions.

TECHNICAL DATA

Number of channels	2
Supply voltage	24-264 V
Accuracy per day	1 s
Text guidance in display	Nie
External programming	Tak
With memory card	Nie
60 min program	Tak
24 h program	Tak
Weekly program	Tak
Annual program	Nie
Holiday program	Nie
Impulse program	Tak
Cycle program	Tak
Astro program	Tak
Random program	Nie
Hour meter	Nie
Mains synchronous	Nie
Quartz controlled	Tak
Radio-controlled	Tak
Radio-controlled (DCF77)	Nie
GPS (global positioning system)	Nie
Shortest switching time channel 1	1 min
Number of memory locations	500
Automatic switching summer/winter time	Tak
Suitable for manual operation	Tak
Switching preselection	Nie
Nominal switching current at 250 V AC	16 A
Potential free switch contact	Tak
Width in number of modular spacings	2
Mounting method	DIN rail
Voltage type (supply voltage)	AC/DC
Contact type	Change-over contact (NO/NC)
Degree of protection (IP)	IP20
Depth	0 mm
Height	0 mm
Width	0 mm
Max. switching power LED	0 W
Shortest switching time channel 2	0 min

Number of contacts	0
Autonomy in years	0
Autonomy in hours	0