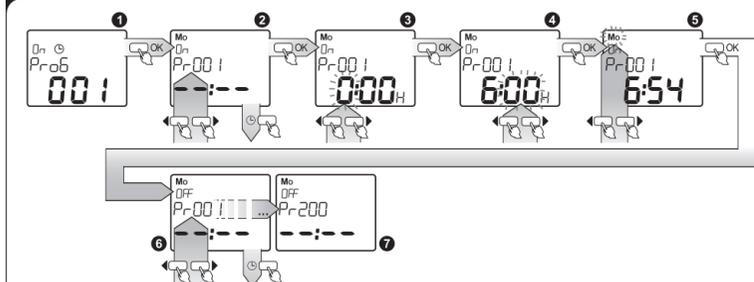




## PROGRAM SETTING

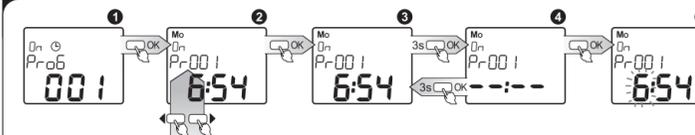


Kombinacje podziału tygodnia

1	Mo	Tu	We	Th	Fr	Sa	Su
2	Mo	Tu	We	Th	Fr	Sa	Su
3	Mo	Tu	We	Th	Fr	Sa	Su
4	Mo	Tu	We	Th	Fr	Sa	Su
5	Mo	Tu	We	Th	Fr	Sa	Su
6	Mo	Tu	We	Th	Fr	Sa	Su
7	Mo	Tu	We	Th	Fr	Sa	Su
8	Mo	Tu	We	Th	Fr	Sa	Su
9	Mo	Tu	We	Th	Fr	Sa	Su
10	Mo	Tu	We	Th	Fr	Sa	Su
11	Mo	Tu	We	Th	Fr	Sa	Su
12	Mo	Tu	We	Th	Fr	Sa	Su
13	Mo	Tu	We	Th	Fr	Sa	Su
14	Mo	Tu	We	Th	Fr	Sa	Su
15	Mo	Tu	We	Th	Fr	Sa	Su
16	Mo	Tu	We	Th	Fr	Sa	Su

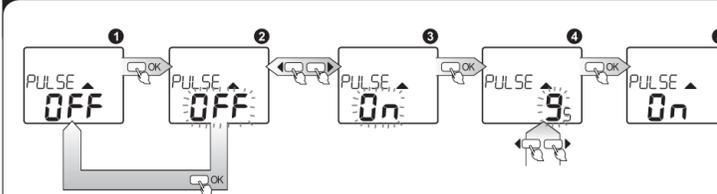
- Pr-05 - defining ON-times and OFF-times for the given week's days for the given programs running in automatic mode messages on busy ON and OFF programs quantities are being showed alternatively in the current window On, OFF (e.g. 001); edition entering by pressing OK; the programs are numbered as pairs (On / OFF). Max programs quantity is equal to 200 On / OFF pairs;
- With left/right cursors select a program at (e.g. Pr-001 On) for parameters editing and enter editing mode with OK;
- HOURL - with left/right cursors select an hour, acknowledge with OK;
- MINUTE - with left/right cursors select minutes, acknowledge with OK;
- WEEK'S DAY - with left/right cursors select the week's day when the given program is to be active (there are 16 week division combinations available); acknowledge with OK - the program will be saved;
- The next stored program will be displayed (e.g. Pr-001 OFF) - Press OK. to enter edition; in order to select the other program use left/right cursors, to exit programming press On or Off;
- The last program is Pr-200 OFF.

## PROGRAM CANCEL / RESTORE



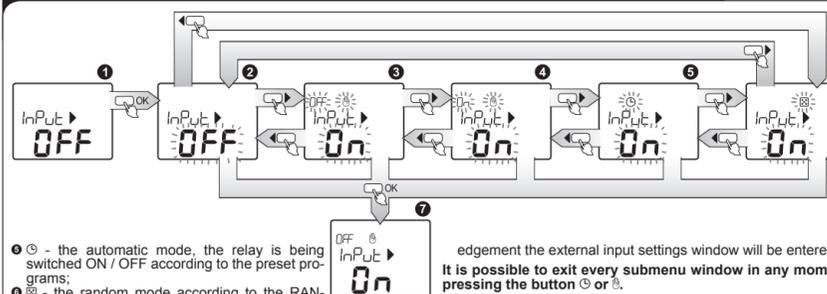
- PROGRAM CANCEL / RESTORE - the option is used during program setting and viewing for program cancelling (inactivation) and restoring; enter by pressing OK;
- With left/right cursors select the program to be cancelled / restored;
- Press and hold OK for 3 seconds - if the program is active it will be cancelled (inactivated) and will not be checked during the timer operation in the automatic mode (however it will be saved in the storage and it will be possible to restore the program); horizontal lines will be displayed;
- If the program is cancelled, it will be restored by pressing OK and its edition will be possible, pressing and holding OK for 3 seconds will cause the program restoring without time edition possibility.

## IMPULSE PROGRAM SETTING



- PULSE - the impulse generating mode switch ON / OFF and impulse duration time setting; the display shows the current mode state (On - ON, OFF - OFF); enter edition with OK;
- With left/right cursors select the mode state On or OFF; acknowledge selection with OK; if the option OFF selected, the main menu will be entered;
- If selected On set with left/right cursors impulse duration time in seconds; acknowledge with OK;
- After setting acknowledgement the impulse mode setting window is entered. In the impulse mode only On programs are available.

## EXTERNAL INPUT SETTING\*\*

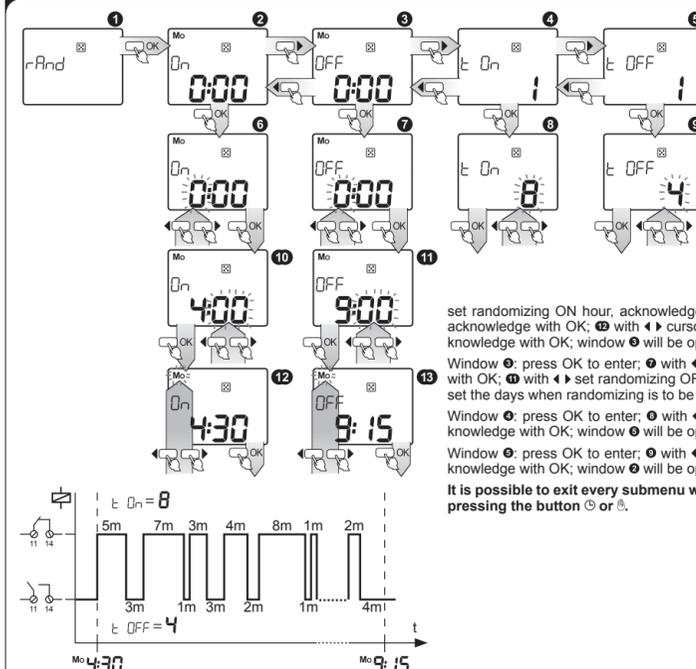


- InPut - setting the unit mode after the IN external input triggering; enter edition by pressing OK; with cursors left/right select an appropriate external input mode, where:
- OFF - the external input function is OFF;
- OFF - the manual mode with the relay continuous switch-OFF;
- On - the manual mode with the relay continuous switch-ON;

- On - the automatic mode, the relay is being switched ON / OFF according to the preset programs;
- On - the random mode according to the RANDOM MODE SETTING menu settings;
- Acknowledge selection with OK; after acknowledgement the external input settings window will be entered. It is possible to exit every submenu window in any moment without saving settings by pressing the button On or Off.

\* does not apply to the product ZCM-11E, \*\* apply to the product ZCM-11PU

## RANDOM MODE SETTING

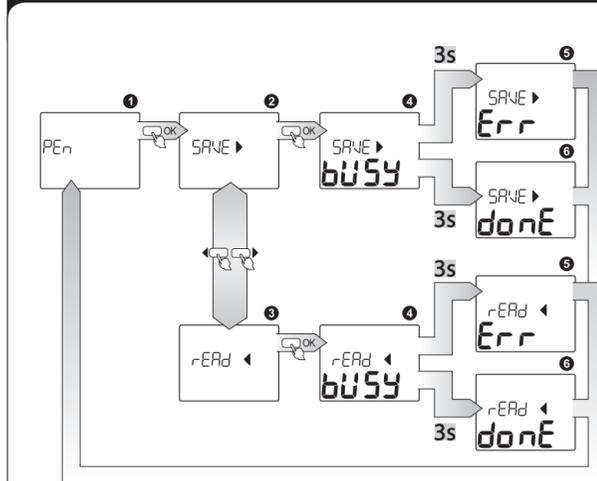


- rAnd - setting the time range and days when the randomize function is to be ON and defining maximum relay ON-time and OFF-time in the random mode; enter with OK; select the appropriate window with left/right cursors, where:
- On - defining the time and day of the random mode beginning (active randomizing);
- OFF - defining the time and day of the random mode ending (inactive randomizing);
- t On - defining maximum relay ON-time in minutes - the time will be randomized for the range from 1 minute to t On minutes;
- t OFF - defining maximum relay OFF-time in minutes - the time will be randomized for the range from 1 minute to t OFF minutes;

- Window On: press OK to enter; with left/right cursors set randomizing ON minute, acknowledge with OK; with left/right cursors set the days when randomizing is to be ON, acknowledge with OK; window On will be open.
- Window OFF: press OK to enter; with left/right cursors set randomizing OFF hour, acknowledge with OK; with left/right cursors set the days when randomizing is to be OFF, acknowledge with OK; window OFF will be open.
- Window t On: press OK to enter; with left/right cursors set maximum ON-time (in minutes), acknowledge with OK; window t On will be open.
- Window t OFF: press OK to enter; with left/right cursors set maximum OFF-time (in minutes), acknowledge with OK; window t OFF will be open.

It is possible to exit every submenu window in any moment without saving settings by pressing the button On or Off.

## EXTERNAL MEMORY OPERATION\*\*



External memory allows for an easy record / reading of the adjusted programs into the external memory, so they can be easily copied to other programmers. It is very convenient in case if we want to program more ZCM programmers or archive the adjusted programs.

- PEr - sub menu to the external memory operation
- SAVE - programs recording
- rERd - programs reading from the external memory and storage in the programmer's memory
- bUSy - the state of memory „busy“ during a record / reading
- Err - record / reading error
- donE - correct record / reading

## MAIN RESET



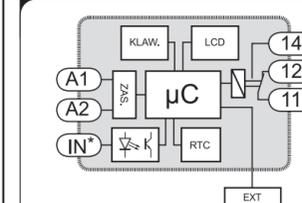
- In order to cancel the clock system (time, date, activity of given functions etc.) you should hold buttons (We and 8888) simultaneously in the main menu for 3 sec;
  - All the display fields will light up;
  - After a while, the clock will automatically set date and time.
- Attention: In order to restore factory settings, you should additionally hold button OK

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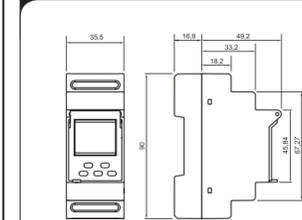
## MOUNTING

- Disconnect power supply by the phase fuse, the circuit-breaker or the switch-disconnector combined to the proper circuit.
- Check if there is no voltage on connection cables by means of a special measure equipment.
- Install the ZCM-11 on the TH 35 DIN rail in the switchboard.
- Connect the cables with the terminals in accordance with the installing diagram.
- Switch on the power supply from the mains.

## INNER DIAGRAM



## DIMENSIONS



## PRODUCT FAMILY

ZCM-11 Programmer belongs to ZCM family of products.

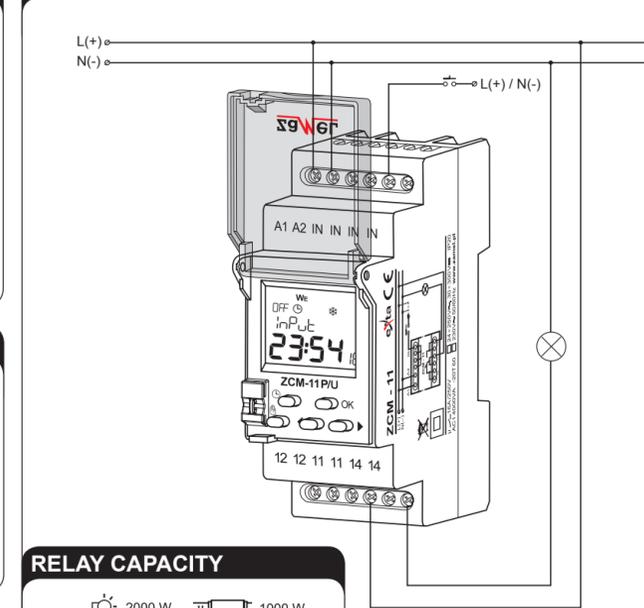
ZCM-xx/U	Power supply: ZCM-xx - 230 V AC ZCM-xx/U - 24 + 250 VAC 30 + 300 V DC
Programmer type:	11 - weekly (1 channel) 12 - weekly (2 channel) 21 - weekly - annual 31 - astronomical
Device type	

## WARRANTY CARD

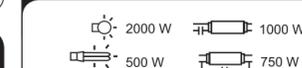
There is 24 months guarantee on the product

Salesman stamp and signature, date of sale

## CONNECTION\*\*



## RELAY CAPACITY



## ADVANTAGES

- Intelligent calendar** - the programmer is fitted with a built-in calendar which fits leap years automatically, disables entering incorrect dates, calculates a week's day on the basis of the current date and fits the summer / winter time change.
- General purpose external input\*** - the programmer is fitted with an external input that enables the operating mode change without operating a switchboard, e.g. by means of a remote push button.
- Programmable random mode** - it is possible to set beginning and ending time, and the day of the random mode activity. Additionally, it is possible to program maximum ON and OFF times in dependence of user's needs.
- Additional impulse mode** - it is possible to switch the timer into the impulse mode which gives control units new capabilities.
- Cooperation with the external memory\*\*** - the user has a possibility of a quick record / reading of the adjusted programs into the external memory in order to copy them in other programmers quickly.

\* does not apply to the product ZCM-11E, \*\* apply to the product ZCM-11PU