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PCZ-5232

PROGRAMMABLE CONTROL TIMER

pulse type



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F&F products are covered by an 24 months warranty from date of purchase

PURPOSE

Programmable control timers are used to control the work time of devices included into industrial or household automatic systems in compliance with individual time schedule planned by the user.

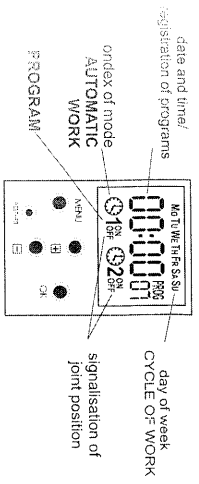
FUNCTIONING

The timer activates and deactivates a given device at preset hours in the following cycles: 24-hour, weekly, working day (Monday) or weekend (Sat, Sun).

DESCRIPTION OF WORK AND FUNCTIONS

AUTOMATIC WORK - according to program points of enclosures and switching off joint (sign Ⓞ on the left of display)
HANDWORK (ON) - enduring connection of joint (position 1-5)
OFF - enduring switch off joint (position 1-6) by activated **AUTOMATIC WORK** (lack of sign Ⓞ on the left of display)
ORDER SWITCH ON - HOLD ON - registry of program by whom make switch ON or OFF a receiver.
CYCLE OF WORK - setting by user, weekly (7 days from Monday to Sunday). In this time a receiver is enclose with programmable **ORDERS SWITCH ON - SWITCH OFF - PROGRAM** - one of two programming line, with user settings for **ORDERS ENCLOSE-EXCLUSION**, control with own enclosing joint a receiver (connection between programs and button OK.. in main menu **AUTOMATIC WORK** mode.

DESCRIPTION OF DISPLAY AND PANEL STEERING



DESCRIPTION OF BUTTONS FUNCTION

- MENU**:
 - pass to programmable menu (presser >3sec)
 - acceptance of settings **DATE, TIME AND ORDERS SWITCH ON - HOLD ON**
 - pass to upper level

- OK**:
 - enter settings and pass to next settings
 - select program: **PROGRAM 1** or **PROGRAM 2** in **AUTOMATIC WORK** mode.

- change setting position by +1 in choosen programmable position (pressing a button make intensive changes in settings by +1 in loop)
- in **HANDWORK** mode: permanent enclosure **ON** and exclusion **OFF** a joint for **CHANNEL 1**

- change settings position by -1 in choosen programmable position (pressing a button make intensive changes in settings by -1 in loop)
- in **HANDWORK** mode: permanent enclosure **ON** and exclusion **OFF** a joint for **CHANNEL 2**

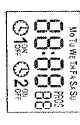
- RESET**:
 - to reset a processor - in case of hook-up of function of work indispensable of timer. It does not erase setups of **DATES** and **TIME** and **ORDERS SWITCH ON - HOLD ON**.

- + and - ("hard" reset):
 - delete of all settings of **DATE** and **TIME** and **ORDERS SWITCH ON - HOLD ON** from memory (pressing >3sec two buttons simultaneously).

PROGRAMMING

- 1. START**

- 1.1 Take **ON** the **POWER**
- 1.2 Timer make a test of display (enclose all section)



- 1.3 Timer started count time from hour, 00:00
- ATTENTION!** If after took the power timer show another time and date then it means, in memory immerate are earlier setting. If timer have got in memories earlier settings, they could be deleted by "hard" reset (see p. 8).

2. DATE

- 2.1 Press a button **MENU** >3sec. Timer pass to setting mode of programming (date -hour -prog1 -prog2 -mode).
- 2.2 By buttons +/- select mode date "DATE"



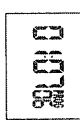
- Enter by OK
- 2.3 Timer pass to setting year mode.



- By buttons +/- set year, enter OK.
- 2.4 Timer pass to setting month mode.



- By buttons +/- set a month, enter OK
- 2.5 Timer pass to setting day of month mode



- By buttons +/- set to actual day of month
- by button **OK** pass to setting year mode (see p.2.3)
- by button **MENU** accept to registry and out of programming mode.

- By button **MENU** enter registry of date. Timer automatically out from programmable **DATE** function and pass to programming mode. Again press a button **MENU** cause pass to main menu.

3. TIME

- 3.1 Button **MENU** presses >3sec. Timer pass to programming menu (date -hour -prog -edit -del -mode -dst)
- 3.2 By buttons +/- select mode of set hour "HOUR"



- Enter OK.

- 3.3. Timer pass to setting minutes mode.



- By buttons +/- set minutes, enter OK.
- 3.4 Timer pass to setting hour mode.



- By buttons +/- set hour.

- By button **OK** return to setting minutes mode (see p.3.3.)
- By button **MENU** enter registry of time. Timer automatically out from programmable **DATE** function and pass to programming mode. Again press a button **MENU** cause pass to main menu.

4. ORDER ENCLOSE - HOLD ON

- 4.1.1 Press button **MENU** >3sec. Timer pass to programming mode (date -hour -prog1 -prog2 -mode).
- 4.1.2 By buttons +/- select PROGRAM
- PROGRAM 1 - "PROG1" or PROGRAM 2 - "PROG2"



- Enter OK

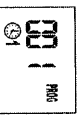
- 4.1.3 Timer pass to menu of programming line (set - edit - del)

4.2 ORDER ENCLOSE - HOLD ON - setting parameters

- 4.2.1 By buttons +/- select settings parameter mode "set"



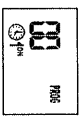
- Enter OK
- 4.2.2. Timer displayed next number of ORDER ENCLOSE-HOLD ON



- Timer automatically pass to setting minutes mode.



- By buttons +/- set minutes, enter OK.
- 4.2.3 Timer pass to setting hour mode.



- By buttons +/- set hour. Enter OK.

- 4.2.4 Timer pass to setting **CYCLE WORK** mode. By buttons +/- set **CYCLE OF WORK**:

- one day of week: Mo, Tu, We, Th, Fr, Sa, Su.
- work days: Mo Tu We Th Fr (from Monday to Friday).
- weekend: Sa Su (Saturday and Sunday)
- everyday: Mo Tu We Th Fr Sa Su (from Monday to Sunday)

- Enter OK
- 4.2.5 Timer pass to setting length of sec. of activation time mode.



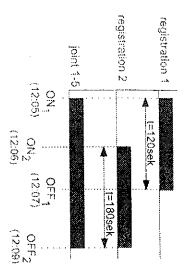
- By button +/- set sec, enter OK.
- 4.2.6 Timer pass to setting length of minute of activation time mode.



- By button +/- set minutes, enter OK.
- Timer automatically pass to input a next parameter of **ORDER ENCLOSE-EXCLUSION** mode (see p. 4.2.2.)
- By button **MENU** enter registry of time. Timer automatically pass to menu. Again press a button **MENU** cause pass to main menu.

ATTENTION!

Registered orders **ENCLOSE-HOLD ON** didn't make up permanent function which realise **ENCLOSING** or **EXCLUSION** of joint. They are threat as once orders and realise with input chronology. Example of set to interplay times of **ENCLOSE** orders **ENCLOSE-HOLD ON** present below diagrams:



5. EDITION - change of parameter

- 5.1 By buttons +/- select change parameter mode "edit"



- Enter OK
- 5.2 Timer displayed first **ORDER ENCLOSE-HOLD ON**.

- By buttons +/- set number of **ORDER ENCLOSE-HOLD ON** to changes of parameter, enter OK
- 5.3 Conduct as by set parameters of **ORDER ENCLOSE-HOLD ON** (see p. 4.2.1 + 4.2.6)

- By button **MENU** enter registry. Timer automatically pass to programming mode of choosen channel. Again press a button **MENU** cause pass to main menu.

6. CANCEL - delete registry

- 6.1 By buttons +/- select delete mode "del"



- Enter OK

- 6.2 Timer displayed first **ORDER ENCLOSE-HOLD ON**.
- By buttons +/- set number of **ORDER ENCLOSE-HOLD ON** to delete of parameter, enter OK....

- By button **MENU** enter registry. Timer automatically pass to programming mode. Again press a button **MENU** cause pass to main menu.

ATTENTION!

If you want delete all earlier settings of **DATE, TIME, ORDERS ENCLOSE-EXCLUSION** ("hard" reset see p. 9)

7. WORK MODE - choose

- 7.1 Press button **MENU** >3sec. Timer pass to programming mode (date -hour -prog1 -prog2 -mode).
- 7.2 By buttons +/- select work selecting mode "mode"



