PCZ-529
PROGRAMMABLE CONTROL TIMER
year type

CE ⌧ (24 MONTHS)

||||||| barcode |||||||
5 908312 396134 >

www.fif.com.pl

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. Enclose and exlusion a receiver by user settings with year cycle.

joint 1-5
date   17.05   23.08   01.11   01.01   31.03   17.05   23.08
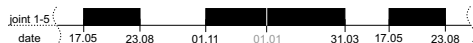
DESCRIPTION OFF BUTTONS FUNCTION

MENU:
- pass to AUTOMATIC WORK or HAND WORK
- pass to programmable menu (preeser >3sec),   Timer should be in AUTOMATIC WORK mode.
- out from programming mode.
- delete oredr from memory in function EDITION (prees <3sec)

OK:
- enter settings and pass to next settings
- take off blockade of change ORDERS ENCLOSE-EXCLUSION i EDITION mode (turn OFF sign ⌚)

+:
- change setting position by +1 in choosen programable position (preesing a button make intennsive changes in settings by +1 in loop)
- in HANDIWORK mode:permanent enclosure ON and exclusion OFF a joint for CHANNEL 1

−:
- change settings position by   -1 in choosen programable position
(preesing a button make intennsive changes in settings by -1 in loop)

EDITION:
- pass to EDITION mode (prees >3sec)

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.

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

DESCRIPTION OF WORK AND FUNCTIONS

CHANNEL- programming line with user settings ORDERS ENCLOSE-EXCLUSION controll a joint which enclose a receiver.

AUTOMATIC WORK - according to program points of enclosures and switching off joint [sign ⌚ on the left of display]

HANDIWORK- [ON] - enduring connection of joint (CHANNEL 1 position 1-5) or **[OFF]**- enduring switch off joint (CHANNEL 1 position 1-6) by activated AUTOMATIC WORK [lack of sign ⌚ on the left of display. Coonection ON/OFF make by button +.]
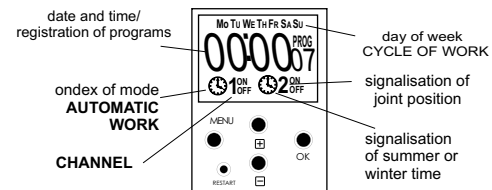
ORDER ENCLOSE-EXCLUSION- registry of program by whom make switch ON or OFF a receiver in year cycle.

CYCLE OF WORK - setting by user, year cycle. In this time a reciver is enclose with programmabled ORDERS ENCLOSE-EXCLUSION.

PROGRAM - settings of correct date and timer and registry ORDERS ENCLOSE-EXCLUSION.

EDITION- peeping, change time and   ORDERS ENCLOSE-EXCLUSION and delete of them.

DESCRIPION OF DISPLAY AND PANEL STEERING

date and time/
registration of programs

day of week
CYCLE OF WORK

ondex of mode
AUTOMATIC WORK

signalisation of joint position

CHANNEL

signalisation of summer or winter time

MENU · · OK
+
RESTART · −

Mo-monday;Tu-tuesday; We-wednesday;Th-thursday;Fr-friday; Są-saturday; Su-sunday

PROGRAMMING

1. START
1.1 Take ON the POWER
1.2 Timer make a test of display (enclose all section)

Mo Tu We Th Fr Sa Su
88:88 88 PROG
⌚1 ON OFF ⌚2 ON OFF

1.3 Timer sterted count time from hour. 00:00.
Pass to programming mode. (see p2.1)
ATTENTION! If after took the power timer show another time and date then it means, in memory timmerare are earlier setting.(see p.. 2.1)

2. DATE and TIME

2.1 Prees a button MENU >3sec. Timer   pass to setting year mode .

dAtE PROG

By buttons **+/–** set actual year, enter OK.
2.2 Timer pass to setting month mode.

01 PROG

By buttons **+/–** set actual month, enter OK.
2.3 Timer pass to setting day mode.

0101

By buttons +/– set actual day, enter OK.
2.4 Timer pass to setting minutes mode.

00 PROG

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

00 PROG

By buttons +/– set to hour.
-   by button OK   pass to programming ORDERS ENCLOSE-EXCLUSION mode (see p3.1)
-   by button MENU accept to registry and out of programming mode.

ATTENTION!
If set incorrect date (31 February) on display you see inscription ERROR and timer pass to input a day of month mode (see p. 2.1). Chane of time from summer to winter and return is make automaticly. Summer time - enclose sign ☼ on the right side of display. Winter time - enclose sign ☼ on the right side of display.

- Inscription FULL   means maximum of values registry (99) of ORDERS ENCLOSE-EXCLUSION in memory timer.

3.1 Timer pass to setting enclose date mode [ON]. Under inscription PROG timer display next number of ORDER ENCLOSE-EXCLUSION.

01 PROG

By buttons +/− set month; enter OK.

0105 PROG

By buttons +/− set day; enter OK.

3.2 Timer pass to exclusion time mode [OFF].

01 PROG

By buttons +/− set month; enter OK.

0106 PROG

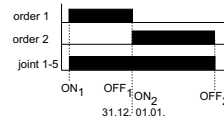***3. ORDER ENCLOSE- EXCLUSION- programming***

If you wont set registry in ORDER ENCLOSE-EXCLUSION prees MENU >3sec.
***ATTENTION!***
Pass in programming mode of ORDERS ENCLOSE-EXCLUSION is previoused by check or change a date and time.

ATTENTION!
- enclose of joint is make in set enclose day at 00:00:00
-exclusion of joint is make in set exclusion day at 24:00:00
- if enclose could be programming for one day, should set the same date for enclose and exclusion e.g. ON -21.07.; OFF - 21.07.
- enclose in change of year should relise by two orders ENCLOSE-EXCLUSION, for first order set OFF- 31.12., but for second ON- 01.01.

-ORDER ENCLOSE-EXCLUSION is a permanent pair of parameters which relise enclose [ON] and exclusion [OFF] of joint. The are relise in set sequence time. Possible is put on the times of enclose of joint.
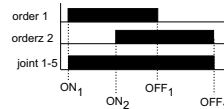
By buttons +/− set a day enter OK.

- Timer automaticly pass to next programming ORDER ENCLOSE-EXCLUSION (see p. 3.1)
- By button MENU akcept allow registry of orders and out from programming function.

4. EDITION- PEEP, CHANGE AND
***   DELETE ORDERS ENCLOSE-EXCLUSION***

Pas to EDITION mode, prees button EDIT >3sec.
Timer display firs enclose order ON (under inscription PROG timer present next number of ORDER ENCLOSE-EXCLUSION.

0105 PROG

4.1 Peep
By buttons +/− peep to next number of order ENCLOSE-EXCLUSION. Prees button MENU cause out from EDIT function.

4.2 Change
In peep mode select order for change . Prees button OK. for Blockade for wrong change will be exclude (lack of sign ☼ on the left side). Prees button EDIT >3sec. Timer pass to change   parameter of ODER- ENCLOSE-EXCLUSION mode.
Change oredr parameter (see p3.1).
Timer automaticly pass to peep mode.

4.3 Delete

In peep mode select order for delete. Prees button MENU >3sec. Order will be delete.

Timer automaticly pass to peep mode.
If the last order will be delete timer autoamticly out from EDITION mode.

AUTOMATIC TIME CHANGE!

Changes time from winter time to summer time is automaticly make at the last sunday of march at 2 a.m. (add 1 hour to actual time) .
Changes time from summer time to winter time is automaticly make at the last sunday of october at 3 a.m. (subtract 1 hour from actual time) .

ASSEMBLY

1. Take OFF the power.
2. Timer put on the rail in the switchgearbox
3. Cable of supply connect with digram.
4. A receivers connect with diagram.
5. Set a correct date and time (see p2).
6. Set time programming for enclose a receiver (see p3).

TECHNICAL DATA

supply	24÷264V AC/DC
current load	<16A
contacts	1P
display maintenance time	1÷2h
timer maintenance time	10 years
battery recharge time	30h
indication accuracy item	1sec
time deviation	±1s/24h
schedule time accurancy item	1min
schedule time hold on item	24h
no. of program memory sectors	198strorage cells
	(99 entry pairs: ON/OFF)
power consumption	1,5W
working temperature	-20÷50°C
connection	screw terminals 2,5mm²
dimensions	2 modules (35mm)
fixing	on the rail TH-35

WIRING DIAGRAM

AC/DC

1	2	3	4

5	6	7	8
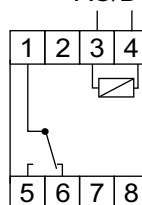
joint 1-5 "ACTIVATE" [ON]
joint 1-6 "DEACTIVATE" [OFF]

A090615