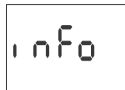


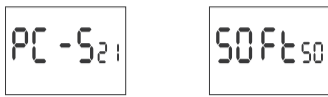
Confirm with **OK**. The clock will reset the error. The display will show **ERROR**. The clock will return to standard operation mode

8.7. SYSTEM INFORMATION (INFO)

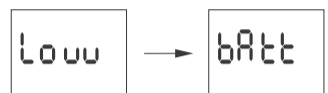


Confirm with **OK**. The clock will enter the information menu. Browse the information by pressing +/- keys:

- clock type
- software version



Low battery



The **LOW BATT** message indicates that the battery backup clock is too low after a power outage. In this case, battery replacement is recommended. The user can replace the battery by himself with a new, type 2032 lithium coin cell battery.

A film demonstrating how to replace the battery is shown below the product code (scan the QR code):



The low battery level is no obstacle during normal clock operation. However, if the clock is not powered, it may result in loss of date and time settings.

All settings, except for time and date, are saved in non-volatile memory and are not lost in the event of a power outage and low battery.

Under proper operating conditions, a new, charged battery is sufficient for approx. 6 years of operation. Low temperatures or long periods of operation without AC power can shorten this period.

Technical data

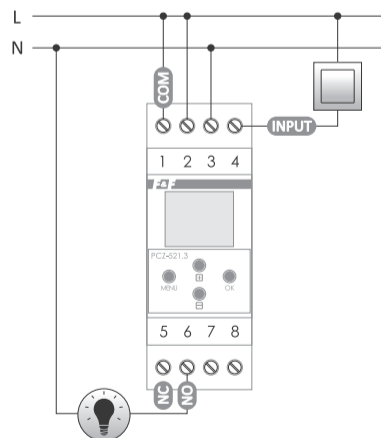
| | |
|-------------------------------|--|
| power supply | 24÷264 VAC/DC |
| maximum load current (AC-1) | 16 A |
| contact | separated 1xNO/NC |
| backup time clock operation | 6 years* |
| battery type | 2032 (lithium) |
| backup time display operation | none |
| accuracy of the clock | 1 s |
| error time | ±1 s/ 24 h |
| time program setting accuracy | |
| program memory cells | 500 |
| | (250 pairs ON/OFF commands) |
| power consumption | 1.5 W |
| terminal | 2.5 mm ² screw terminals (cord) |
| | 4.0 mm ² screw terminals (wire) |
| tightening torque | 0.5 Nm |
| working temperature | -20÷50°C |
| dimensions | 2 modules (35 mm) |
| mounting | on TH-35 rail |
| protection level | IP20 |

* battery life addicted to weather conditions and frequency of mains failure

Installation

- 1) Turn off the power.
- 2) Mount the timer on the TH-rail in the distribution box.
- 3) Connect wires according to the diagram.
- 4) Connect receivers according to the diagram.
- 5) Set the correct date (see section 2) and time (see section 3).
- 6) Set individual switch-on time programs for receivers.

Connection scheme



- | | |
|-----|--|
| 1 | COM contact input |
| 2-3 | clock power supply |
| 4 | ON/OFF button |
| 5 | NC contact output ("normally closed" position) |
| 6 | NO contact output ("normally open" position) |

CE declaration

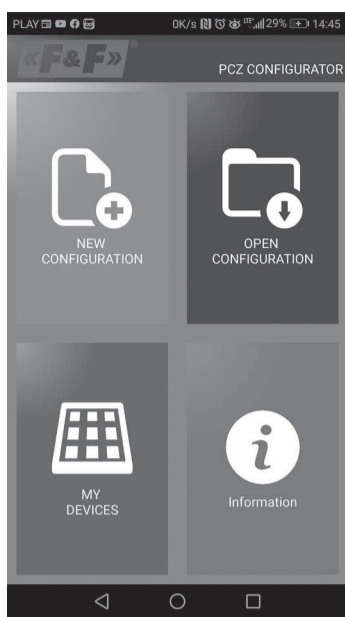
F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.

The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at www.ff.com.pl on the product page.

PCZ Konfigurator app

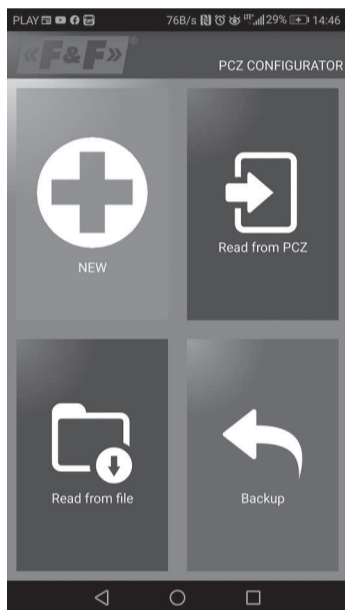
MAIN WINDOW

- **NEW CONFIGURATION** – opens window creation configuration.
- **OPEN CONFIGURATION** – opens window for loading the program configuration stored as a file in the phone memory.
- **MY DEVICE** – gives access and support for all backup copies of configurations assigned to specific devices.
- **INFORMATION** – application user guide.



NEW CONFIGURATION

- **NEW** – creates new, empty configuration file (without any programs).
- **LOAD FROM PC** – new configuration is created based on a program saved in the PCZ controller. Select this option and bring the phone closer to the timer to load the program phone.
- **LOAD FROM FILE** – new configuration is created based on a files saved by the user. Opens a window with a list of files previously saved by the user.
- **RESTORE** – a new configuration is created based on a backup copy of one of the previous configuration. Tapping this icon opens window with a list of backups split into controllers in which they were written. Select a new configuration option opens another window.



The function window allows to edit program as well as to load and save configuration to a PCZ controller. It appears automatically when we bring the phone closer to the controller, or when we create a new configuration. In the upper part of the screen the application displays a frame with following information:

- **DEV** – supported controller type.
- **ID** – unique identifier of connected controller (appears only when the application is connected with the controller. In the Offline mode that field remains empty). Icon of a pencil on the right-hand side allows you to enter your own name for the controller.
- **OPERATING MODE** – displays the current operating mode for the controller (manual or automatic). Applies only to operating in Online Out mode – Output relay status (enabled or disabled).

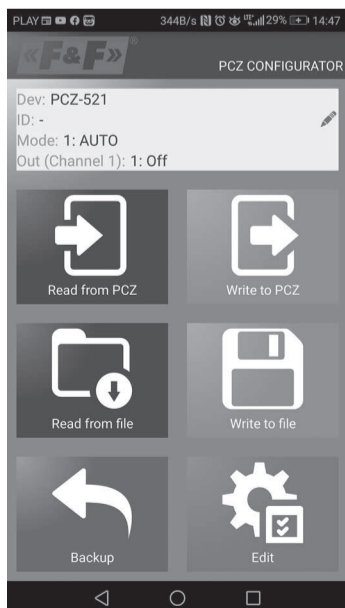
- Applies only in online mode.
- Keys:
- 1) Read the timer configuration.
 - 2) Save the current configuration to the timer.
 - 3) Load configuration from file.
 - 4) Save the current configuration to file.
 - 5) Restore configuration from backup copies.
 - 6) Edit the current configuration.

EDIT

Editing window allows you to edit current configuration (new, loaded from file or from PCZ)

Editing window consists of three tabs:

- **LIST** – a list of all programs (in the order in which they are stored in the memory).
- **FILTER** – a list of programs that will be executed on the selected day (in chronological order by program execution).
- **SETTINGS** – system settings configuration



LIST

Main part of the screen is taken by the list of PCZ programs. Programs are displayed sorted by the time they are written in the controller memory.

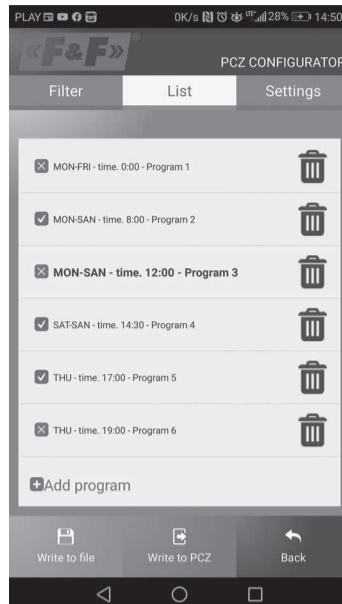
Each program is symbolized by:

- **ACTION ICON** – the green "v" means that the specific program will activate relay. Red "x" means deactivation of relay.
- **DATE AND TIME** – show days of programs activation and their start time.
- **PROGRAM NUMBER** – program position in the controller memory. Bold font marking represents a program that is (or should be) executed. Pressing the trash bin icon next to the program entry deletes program. To add a new program select ADD PROGRAM. To edit an existing program tap into the edited program.

The three icons at the bottom of the screen allow you to:

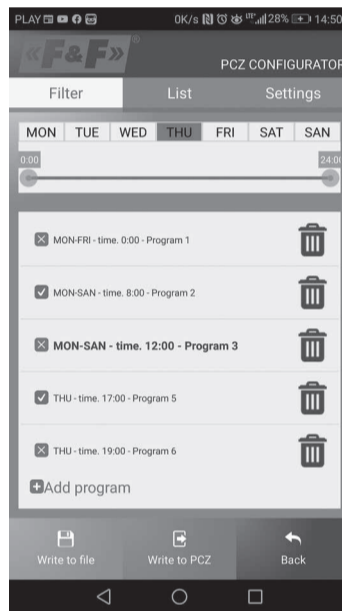
- **SAVE TO FILE** – saves the current configuration to a file.
- **SAVE TO PCZ** – saves the configuration to a timer.
- **BACK** – returns to the function window.

Upon returning to the function window, current configuration is stored in application memory.



FILTER

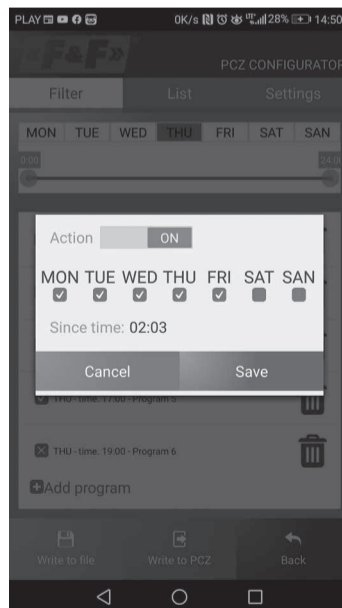
Filter tab performs a similar function to LIST. In this case, at the top of the screen appears addition frame for choosing the day and time interval for which the application displays a list of programs active during that time. Programs are displayed in chronological order, sorted by the time of their actual execution.



ADDING AND EDITING PROGRAMS

Add or edit program displays a window with following options:

- **OPERATION** – selects whether the program will turn the relay on or off.
- **DAY** – selects the days of program execution. You can select a single day, Monday - Friday, Saturday - Sunday, all week.
- **TIME** – selects the time of program execution.



Application available on:

ANDROID APP ON Google play

<https://play.google.com/store/apps/details?id=pl.com.ff.clockprogramer>

Programming scheme

The programming scheme for the timer is available for download on the product's subpage. Website address: www.ff.com.pl