

# TIME PROGRAMMER ZCM-22, ZCM-22P/U ANNUAL, SINGLE-CHANEL



provides a battery back-up system for all

adjustments in case of no voltage supply.

In order to protect the battery during

storage, the ZCM-22 series program-

mers have a default setting, the so-

-called storage mode in which the bat-

tery power consumption is limited to a

Control depending on current date,

double modular casing with a pro-

number of programs with different

a possibility to copy and read pro-

grams from the external memory\*

CAUCTION connected according to the de-

manual. Installation, connection and control should be carried out by a qualified electrician

staff, who act in accordance with the service manual and the device functions. Disassem-

bling of the device is equal with a loss of gu-

arantee and can cause electric shock. Before

installation make sure the connection cables

are not under voltage. The cruciform head

screwdriver 3,5 mm should be used to instal

the device. Improper transport, storage, and

use of the device influence its wrong functio-

ning. It is not advisable to instal the device in

the following cases: if any device part is mis-

sing or the device is damaged or deformed.

In case of improper functioning of the device

The device is designed for sin-

gle-phase installation and must

be installed in accordance with

standards valid in a particular

country. The device should be

tails included in this operating

minimum.

FEATURES

hour and minute.

an additional IN input,

LCD display backlight,

TH-35 rail mounting,

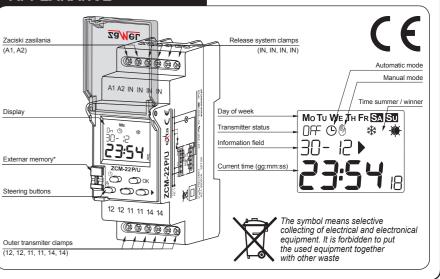
tective cover.

application,

Digital control time switch ZCM-22 is used to realise the time functions in automation and control systems. The programmer realises the output relay control operations according to program adjustments (day, month, hour, minute). All systems are equipped with a control input function, which is used to change the operating mode of a system by means of an external push-button. The design of the casing allows the system to be mo-Change of season si unted on a TH-35 rail and eventually to seal the device. The design of the system

> Accuracy of time Time of clock Time of programme Clamps of r Clamps of receiver Parameters of transm Number of term Intersection of terminati Tempe D Level of prote Pro Overvol Lev

### **APPEARANCE\***



\*apply to the product ZCM-22P/U

contact the producer.

# INSTRUCTION MANUAL

# ZAMEL Sp. z o.o.

ul. Zielona 27, 43-200 Pszczyna, Poland Tel. +48 (32) 210 46 65, Fax +48 (32) 210 80 04 www.zamelcet.com, e-mail: marketing@zamel.pl

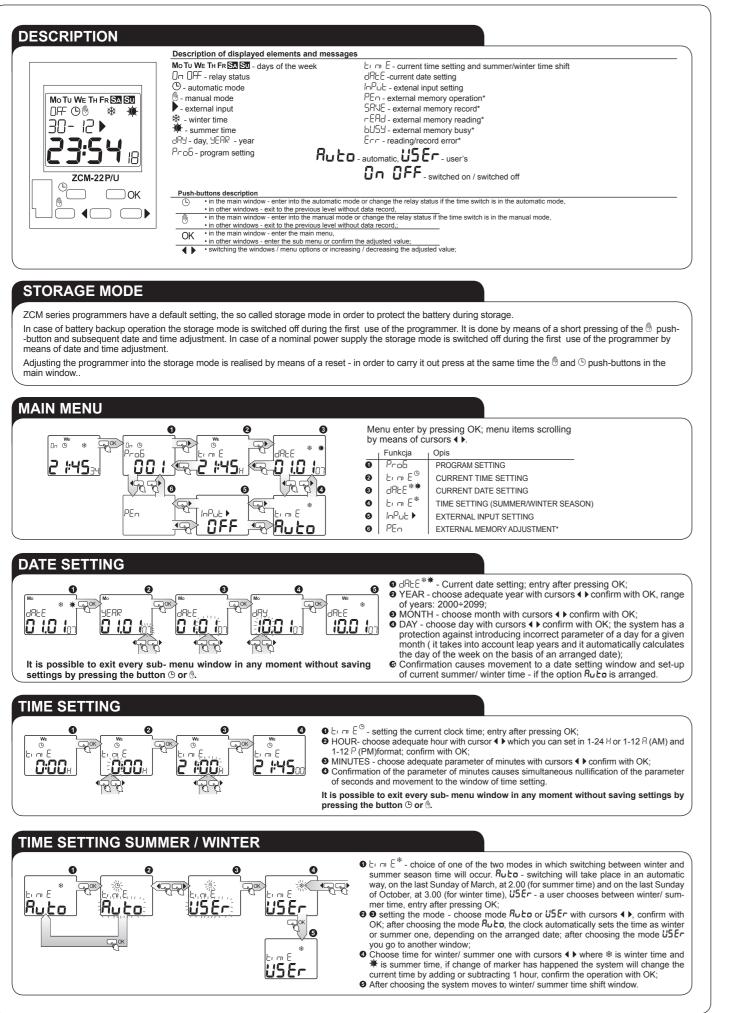


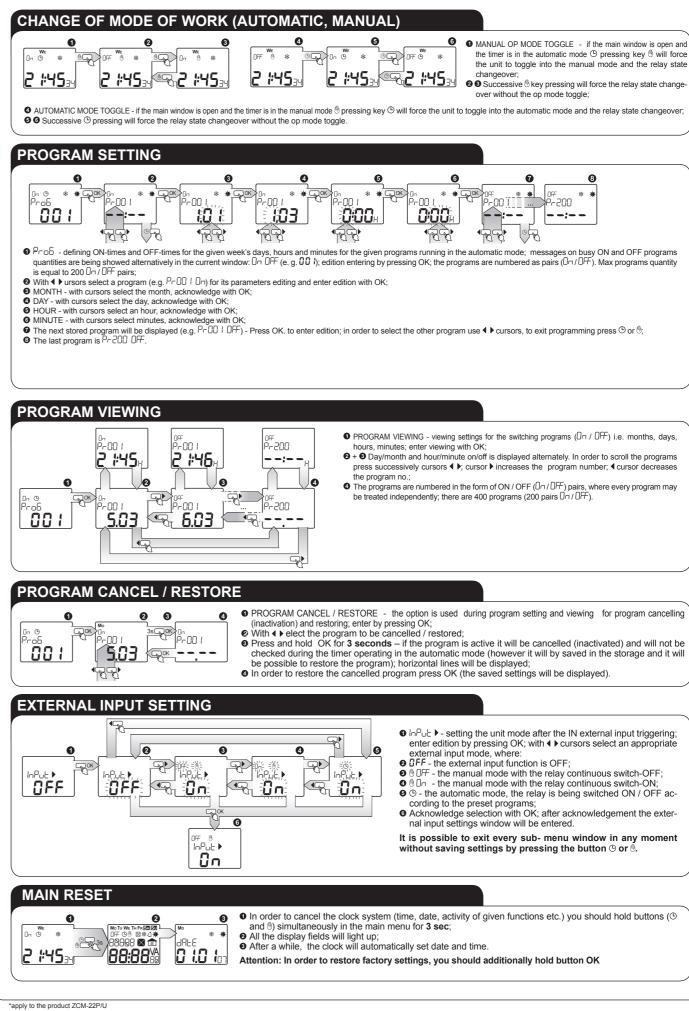
# TECHNICAL DATA

| ZCM-22, ZCM-22P/U               |   |
|---------------------------------|---|
| Power supply clamps:            | A1, A2  |
| Rated voltage:                  | ZCM-22: 230 V AC (-15 ÷ +10 %)<br>ZCM-22P/U: 24 ÷ 250 V AC, 30 ÷ 300 V DC |
| Rated frequency:                | 50 / 60 Hz  |
| Rated power consumption:        | ZCM-22: 1,6 W /17 VA ZCM-22 P/U: 1,5 W /3 VA                              |
| Number of channels:             | 1   |
| Program quantity:               | 400 (200 par On/Off)  |
| Programme:                      | weekly - annual   |
| Mode of work:                   | manual, automatic   |
| nge of season summer/ winter:   | automatic, manual   |
| Colour of LCD panel lighting:   | amber   |
| Input:                          | yes   |
| ccuracy of time measurement:    | max. ±1 s / 24 h at temp. 25 °C   |
| Time of clock maintenance:      | 3 years   |
| e of programme maintenance:     | 10 years  |
| Clamps of release system:       | IN, IN, IN, IN  |
| imps of receiver power supply:  | 11, 12, 14  |
| meters of transmitter contacts: | 1NO/NC-16 A/250 V AC1 4000 VA   |
| Number of terminating clamps:   | 12  |
| tion of terminating conductors: | 0,2 ÷ 2,50 mm <sup>2</sup>  |
| Temperature of work:            | -20 ÷ +60 °C  |
| Position of work:               | any   |
| Fixing of casing:               | rail TH 35 (according to PN-EN 60715)                                     |
| Level of protection of casing:  | IP20 (PN-EN 60529)  |
| Protectivity class:             | П   |
| Overvoltage category:           | П   |
| Level of pollution:             | 2   |
| Measurements:                   | two-module (35 mm) 90 x 35 x 66 mm  |
| Weight:                         | 0,14 kg   |
| Zgodność z normami:             | PN-EN 60730-1; PN-EN 60730-2-7;<br>PN-EN 61000-4-2,3,4,5,6,11             |
|                                 |   |



VER. 001\_28.12.2013





apply to the product ZCM-22P/U