

# DIGITAL YEARLY TIMER

müller SC 98.x0 pro5



Save'n carry 2.0



müller FU 20.00 pro



müller FU 30.00 pro

## Overview

- 1, 2 or 4 channels
- Daily, weekly, astro and yearly program
- 300 memory locations
- WLAN and Bluetooth integrated
- Programmable and controllable via app (iOS and Android)
- 10 years battery-reserve
- Exchangeable battery (CR 2032)
- Zero-cross switching
- Up to 600 W LED lamp load
- Switching capacity 16 A per channel
- Cycle and random function
- External input (switch or push button)
- Timer function
- Additional switching times ON, OFF, pulse, and cycle by date and time
- Permanent switching by date and time / holiday program
- Up to 10 special programs possible
- Manual permanent switching
- Manual override switching
- Automatic daylight-saving time adjustment
- Operating hours and switching pulse counter
- Easy handling
- Illuminated display
- Security by PIN-Code
- Data from devices connected to the cloud is stored and processed on servers in Germany

## Highlights

- Programmable and controllable with smartphone via WiFi and Bluetooth (free iOS and Android app) as well as directly on the time switch via the integrated display
- Mobile access via cloud
- Supports multi-user access for collaborative programming and operation via cloud
- The external input can be freely assigned to the switching channels
- Daily, weekly, astro and yearly program
- Astro program with 3 functions: standard, inverted, and pulse
- Yearly program with 3 functions: standard, Easter, and year
- Quartz accuracy (at -30 to +55 °C) is  $\leq \pm 0.5$  s/day
- Fast and intuitive programming
- Data security through non-volatile memory

## Supply voltage versions

- 110-230 V, 50-60 Hz
- 12-24 V ACDC

## Order numbers

|               |                   |
|---------------|-------------------|
| ■ müller      |                   |
| SC 98.10 pro5 | 1 channel version |
| SC 98.20 pro5 | 2 channel version |
| SC 98.40 pro5 | 4 channel version |

# DIGITAL YEARLY TIMER

müller SC 98.x0 pro5

## Order information

|                      | Voltage            | EAN           | Art. No. |
|----------------------|--------------------|---------------|----------|
| <b>SC 98.10 pro5</b> | 110-230 V 50-60 Hz | 4022709241078 | 24107    |
| <b>SC 98.20 pro5</b> | 110-230 V 50-60 Hz | 4022709241085 | 24108    |
| <b>SC 98.20 pro5</b> | 12-24 V ACDC       | 4022709241115 | 24111    |
| <b>SC 98.40 pro5</b> | 110-230 V 50-60 Hz | 4022709241108 | 24110    |
| <b>SC 98.40 pro5</b> | 12-24 V ACDC       | 4022709241122 | 24112    |

## Technical data

|                                                             |                                                                                        |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Supply voltage                                              | 110-230 V, 50-60 Hz<br>12-24 V ACDC                                                    |
| Voltage tolerance                                           | ±10%                                                                                   |
| Power consumption (real power)                              | 0.9 W in "standby" mode                                                                |
| Channel (potential-free)                                    | Change-over, contact gap < 3 mm (μ)                                                    |
| Contact material                                            | AgSnO <sub>2</sub>                                                                     |
| Switching capacity                                          |                                                                                        |
| resistive load:                                             | 16 A / 250 V~ at cosφ=1                                                                |
| inductive load:                                             | 10 A at cosφ=0,6                                                                       |
| Min. switching power                                        | 1,000 mW (10 V / 100 mA)                                                               |
| Max. starting current                                       | 50 A                                                                                   |
| Filament Lamp, Halogen Lamp                                 | 3,000 W                                                                                |
| LED (230 V~) / (LED lamps > 5 W)                            | 600 W                                                                                  |
| Switching functions:                                        | Week – ON, OFF, pulse, cycle<br>Astro – ON, OFF, pulse<br>Year – ON, OFF, pulse, cycle |
| Duration (switching times):                                 |                                                                                        |
| Pulse                                                       | max. 23:59:59 hh:mm:ss                                                                 |
| Cycle (on-time/off-time)                                    | max. 23:59:59 hh:mm:ss                                                                 |
| Duration (external input):                                  |                                                                                        |
| Timer                                                       | max. 23:59:59 hh:mm:ss                                                                 |
| Staircase lighting                                          | max. 59 min                                                                            |
| Memory locations                                            | 300                                                                                    |
| Minimum interval                                            | 1 Min.                                                                                 |
| Time base                                                   | Quartz<br>NTP server (with Wi-Fi/cloud)                                                |
| Quartz accuracy<br>(at -30...+55 °C)                        | ≤ ±0.5 sec/day                                                                         |
| Power reserve (at 20 °C)                                    | approx. 10 years (replaceable battery<br>CR2032)                                       |
| Program security                                            | unlimited                                                                              |
| Display                                                     | illuminated LCD-display                                                                |
| Permitted ambient temperature                               | -30...+55 °C (110-230V, 50-60Hz)<br>-10...+55 °C (12-24V ACDC)                         |
| Housing                                                     | self-extinguishing thermoplastic                                                       |
| Dimensions                                                  | 45 x 71.5 x 58 mm                                                                      |
| Mounting                                                    | 35 mm DIN-rail                                                                         |
| Type of connection                                          | Screw terminals (pull-up type)                                                         |
| Type of protection                                          | IP 20 to DIN EN 60529                                                                  |
| Class of protection                                         | II when installed according to regulations                                             |
| Mode of operation<br>(DIN EN 60730-1)<br>(DIN EN 60730-2-7) | 1 BSTU                                                                                 |
| Degree of contamination<br>(DIN EN 60730-1)                 | 2                                                                                      |
| Rated surge voltage<br>(DIN EN 60730-1)                     | 4 kV                                                                                   |

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