

# DIGITAL YEARLY TIMER

müller SC 98.x0 pro4



## Accessories



müller FU 20.00 pro



Save'n carry 2.0



müller FU 30.00 pro



Save'n carry  
WIN10 App

## Overview

- 1, 2, 3 or 4 channels
- Daily, weekly, yearly or astro program
- 300 memory locations
- Integrated Bluetooth
- Programmable via App (iOS, Android and Windows)
- 10 years battery-reserve
- Exchangeable battery (CR 2032)
- Switching capacity 16 A per channel
- Cycle and random function
- Timer function
- External input function (switch or push-button)
- DCF / GPS function
- Extra switching times ON, OFF and pulse by date and time
- Permanent by date and time / holiday function
- Up to 10 special programs possible
- Manual permanent mode
- Manual override
- Fully automatic daylight saving time
- Elapsed time and pulse counter
- Easy handling
- Illuminated display
- Security by PIN-Code

## Highlights

- Programmable with PC or Smartphone via Bluetooth (free iOS, Android and Windows app)
- No additional Data stick needed! Bluetooth integrated in time switch
- Exchangeable battery (CR 2032) with 10 years battery reserve
- Random function for presence simulation
- Optimized own consumption: only 0.3 W in „standby“ mode
- Quick and intuitive programming
- Can be programmed with supply disconnected
- Data security through non-volatile memory

## App to program the time switch

Save 'n carry 2.0 (Google Play Store) (<https://play.google.com/store/apps/details?id=de.hugomueller.ProjectApp>)

Save'n carry 2.0 (App Store) (<https://apps.apple.com/de/app/saven-carry-2-0/id6444333521>)

## Order numbers

| ■ müller      |                   |
|---------------|-------------------|
| SC 98.10 pro4 | 1 channel version |
| SC 98.20 pro4 | 2 channel version |
| SC 98.30 pro4 | 3 channel version |
| SC 98.40 pro4 | 4 channel version |

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müller SC 98.x0 pro4

## Order information

|               | Voltage            | EAN           | Art. No. |
|---------------|--------------------|---------------|----------|
| SC 98.10 pro4 | 110-230 V 50-60 Hz | 4022709241078 | 24107    |
| SC 98.20 pro4 | 110-230 V 50-60 Hz | 4022709241085 | 24108    |
| SC 98.20 pro4 | 12-24 V ACDC       | 4022709241115 | 24111    |
| SC 98.30 pro4 | 110-230 V 50-60 Hz | 4022709241092 | 24109    |
| SC 98.40 pro4 | 110-230 V 50-60 Hz | 4022709241108 | 24110    |
| SC 98.40 pro4 | 12-24 V ACDC       | 4022709241122 | 24112    |

Other supply voltage versions on request

## Technical data

|                                              |                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------|
| Supply voltage                               | 110-230 V, 50–60 Hz                                                           |
| Voltage tolerance                            | ±15%                                                                          |
| Power consumption (real power)               | W<br>(depending on the switching status)                                      |
| Channels (potential-free)                    | Change-over, contact gap < 3 mm (μ)                                           |
| Contact material                             | AgSnO <sub>2</sub>                                                            |
| Switching capacity per channel               |                                                                               |
| 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 / 10 mA)                                                       |
| Max. starting current                        | 50 A max. 20 ms                                                               |
| Filament Lamp                                | 2.000 W                                                                       |
| Halogen Lamp                                 |                                                                               |
| LED (230 V~)                                 | 200 W                                                                         |
| (LED lamps > 5 W)                            |                                                                               |
| Switching functions                          | ON, OFF, pulse, cycle, extra, permanent, astro                                |
| Pulse length Pulse function (switching time) | 00:01 up to 59:59 mm:ss                                                       |
| Pulse length Timer (man. switching)          | 0:00:01 up to 9:59:59 h:mm:ss                                                 |
| Pulse/Pause length cycle                     | 0:00:01 up to 9:59:59 h:mm:ss                                                 |
| Memory locations                             | 300                                                                           |
| Minimum interval                             | 1 Min.                                                                        |
| Time base                                    | Quartz<br>DCF (FU 20.00 pro)<br>GPS (FU 30.00 pro)                            |
| Quartz accuracy (at 20 °C)                   | ≤ ±0,5 Sec./day<br>(Quartz accuracy optimized for typical ambient conditions) |
| Power back-up (at 20 °C)                     | approx. 10 years (exchangeable battery CR 2032)                               |
| Program security                             | unlimited                                                                     |
| Display                                      | high resolution LCD (visible area 12,8 cm <sup>2</sup> )                      |
| Permitted ambient temperature                | –30...+55 °C                                                                  |
| 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 (DIN EN 60730-1)           | 1 BSTU                                                                        |
| Degree of contamination (DIN EN 60730-1)     | 2                                                                             |
| Rated surge voltage (DIN EN 60730-1)         | 4 kV                                                                          |
| Accessories (not included in delivery)       | Radio receiver DCF FU 20.00 pro<br>Radio receiver GPS FU 30.00 pro            |

