

**Kemo Electronic GmbH**

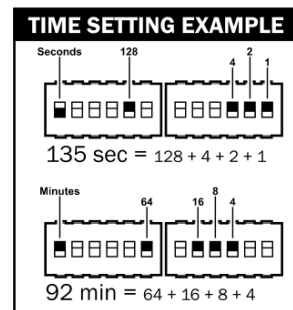
Mato Vukovic  
 Leher Landstr. 20  
 27607 Geestland  
 Germany

Phone: +49 4743 9338-0  
 Fax: +49 4743 9338-22

<http://www.kemo-electronic.de>  
 email: [info@kemo-electronic.de](mailto:info@kemo-electronic.de)

HR.Nr. HRB 111 486  
 UstNr: DE 814 380 369

## M113D - Digital Timer 12 V/DC



Timer with adjustable times between 1 second and 2047 seconds or 1 minute and 2047 minutes. The timer switches on after pressing the key and switches off again when the adjusted time has elapsed. The time lapse may be stopped at any time by using a second key. External push-buttons may be connected (not included). The timer can also be started by external control pulses (3 - 24 V / DC) or automatically after switching on with the connection of an Elko (22  $\mu$ F 50 V).

### Technical Data:

Operating voltage: 12 V/DC  $\pm$  5%

Current consumption: off-condition: < 6 mA, on-condition: < 50 mA

Switching contact: 1 x ON, max. 24 V max. 10 A AC or DC

Connection: strip terminal for additional on-key button, off-key button, switching contact, 12V operating voltage connection

Display: 1 LED each for "operation" and "switching on"

Adjustable turn-on times: 1 second up to 2047 seconds in 1-second steps or 1 minute up to 2047 minutes in 1-minute steps

Accuracy of the adjusted times: approx.  $\pm$  10%

After starting the time, the switching on may be stopped at any time by pressing the "Off" key

Auto boot: When connecting a capacitor 22  $\mu$ F >50 V to the terminals for the start push-button, the timer starts automatically when switching on the operating voltage

Dimensions: approx. 120 x 70 x 30 mm (without fastening feet)