

# Hour meters / timers, electronic

<b>LCD time modules</b>	<b>Max. time range 99999.9 h (DC)</b>	<b>198</b>
-------------------------	---------------------------------------	------------



The timer module of the type 198 with 6-digit LCD display for PCB mounting features a wide voltage range from 8 to 28 V DC.

It is extremely robust and suitable for many different applications thanks to its wide temperature range.



Timer	DC 8 ... 28 V	PNP	High shock resistance	Temperature range -40°... +85°C	PCB mount	LCD display 6 LCDs	Electrical reset

## Powerful

- Display range up to 99999.9 hours.
- 6-digit LCD display, 5 mm high.
- Low power consumption.
- Wide voltage and temperature range.
- Very high shock and vibration resistance.

## Simple

- Non-volatile memory (no battery).
- Start/Stop input.
- Electrical reset.
- Very high reliability.
- Small size and low cost.

## Order specifications

*Supply voltage*  
8 ... 28 V DC

*Order no.*  
**6.198.012.H00**

*Delivery specification*  
· LCD counter module type 198  
· Operating instructions

# Hour meters / timers, electronic

<b>LCD time modules</b>	<b>Max. time range 99999.9 h (DC)</b>	<b>198</b>
-------------------------	---------------------------------------	------------

## Technical data

General technical data	
<b>Display</b>	6 digits, LCD display, figure height 5 mm [0.20"]
<b>Display range</b>	99999.9 h
<b>Data backup</b>	CMOS EEPROM non-volatile memory up to 10 years (without battery)
<b>Operating / working / storage temperature</b>	-40 °C ... +80 °C [-40 °F ... +185 °F] (non-condensing)
<b>Humidity</b>	95 % RH at +32 °C [+90 °F] for max. 2 hours

Mechanical characteristics	
<b>Housing</b>	dimensions 18.4 x 32.4 mm [0.72 x 1.28"] color black
<b>Weight</b>	approx. 8 g [0.28 oz]
<b>Vibration resistance acc. to DIN-IEC 68-2-6</b>	10 ... 80 m/s <sup>2</sup> , 10 ... 75 Hz

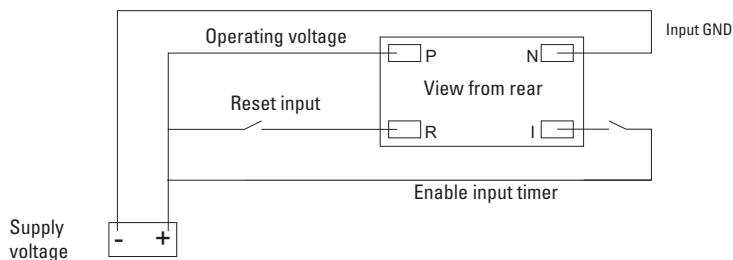
Inputs	
<b>Start/Stop input</b> (Enable input timer) On-times smaller than 16 sec will not be counted	8 ... 28 V DC
<b>Reset input</b>	8 ... 28 V DC pulse length min. 500 ms

Electrical characteristics	
<b>Supply voltage</b>	8 ... 28 V DC
<b>Current consumption</b>	3 mA max. at 4.5 V DC 10 mA at 28 V DC

The module must be protected against inductive voltage spikes and high energy noise interference.

Approvals	
<b>CE compliant in accordance with</b>	
EMC Directive	2014/30/EU
RoHS Directive	2011/65/EU
Low Voltage Directive	2014/35/EU

## Terminal assignment



## Dimensions

Dimensions in mm [inch]

