Hour meters / timers, electronic

LCD time modules	Max. time range 99999.9 h (DC)	198

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 Supply voltage	PNP Input type	High shock resistance	-40°... +85°C Temperature range	PCB mount	6 LCDs LCD display	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	Order no.
8 ... 28 V DC	6.198.012.H00

Delivery specification
- LCD counter module type 198
- Operating instructions

LCD time modules	Max. time range 99999.9 h (DC)	198

Technical data

General technical data

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

Electrical characteristics

Supply voltage	8 ... 28 V DC
Current consumption	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.

Mechanical characteristics

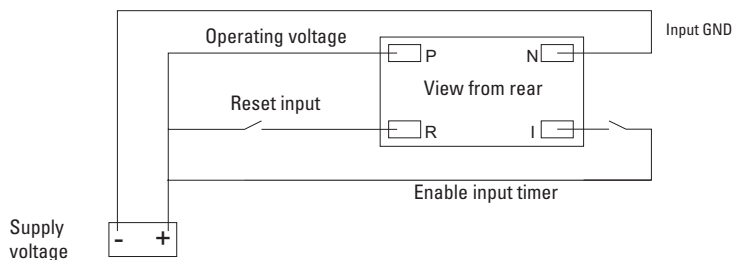| Housing	dimensions	18.4 x 32.4 mm [0.72 x 1.28"]
	color	black
Weight		approx. 8 g [0.28 oz]
Vibration resistance acc. to DIN-IEC 68-2-6		10 ... 80 m/s², 10 ... 75 Hz

Inputs

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

Approvals

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

Terminal assignment

Dimensions

Dimensions in mm [inch]

black

5 mm high 7-segment LCD display