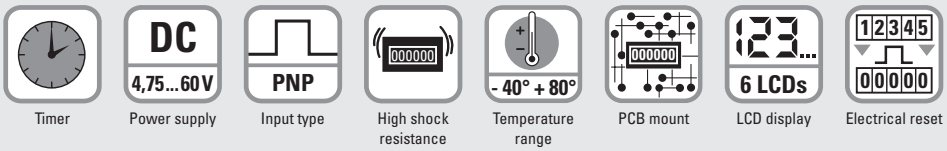
LCD time modules | Max. time range 9999.99 h (DC) | 194



The timer module of the type 194 for PCB mount features a 6-digit LCD display and 2 voltage ranges (4.75…15 V DC and 9…60 V DC).

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



Timer | Power supply | Input type | High shock resistance | Temperature range | PCB mount | LCD display | Electrical reset

Powerful

- Display range up to 9999-99 hours.
- 6-digit LCD display, 6 mm high.
- Low power consumption.
- Wide voltage and temperature range.
- Very high shock and vibration resistance.

Simple

- Non-volatile memory (no battery).
- Counting starts as soon as power supply is applied.
- Electrical reset.
- Very high reliability.
- Small size and low cost.

Order specifications

Power supply	*Order no.*	*Art.-No.*
4.75 ... 15 V DC	**6.194.012.F00**	162 137
9 ... 60 V DC	**6.194.012.G00**	162 138

Delivery specification
- LCD hour meter module type 194
- Operating instructions

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LCD time modules | Max. time range 9999.99 h (DC) | 194

Technical data

General technical data

Display	6 digits, LCD display, figure height 6 mm [0.24“]
Display range	9999-99 h
Data backup	CMOS EEPROM non-volatile memory up to 10 years
Operating temperature	-40°C ... +85°C [-40°F ... +185°F] (non-condensing)
Working temperature	-20°C ... +80°C [-4°F ... +176°F] (non-condensing)
Storage temperature	-50°C ... +90°C [-58°F ... +194°F]

Electrical characteristics

Power supply	...F00	4.75 ... 15 V DC, with reverse polarity protection
	...G00	9 ... 60 V DC
Current consumption	...F00	8 mA at 4.75 ... 15 V DC
	...G00	6 mA at 9 ... 60 V DC
EMC standards		EN 55011 class B EN 61000-6-2, EN 61000-6-3 EN 61326-1

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

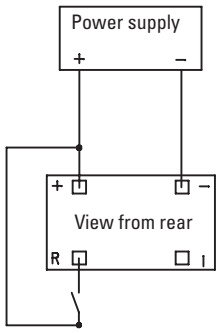
Mechanical characteristics

Housing	color	black
Weight		approx. 8 g [0.28 oz]
Shock resistance acc. to DIN-IEC 68-2-27		550 m/s², 11 ms
Vibration resistance acc. to DIN-IEC 68-2-6		50 ... 200 m/s², 10 ... 80 Hz

Inputs

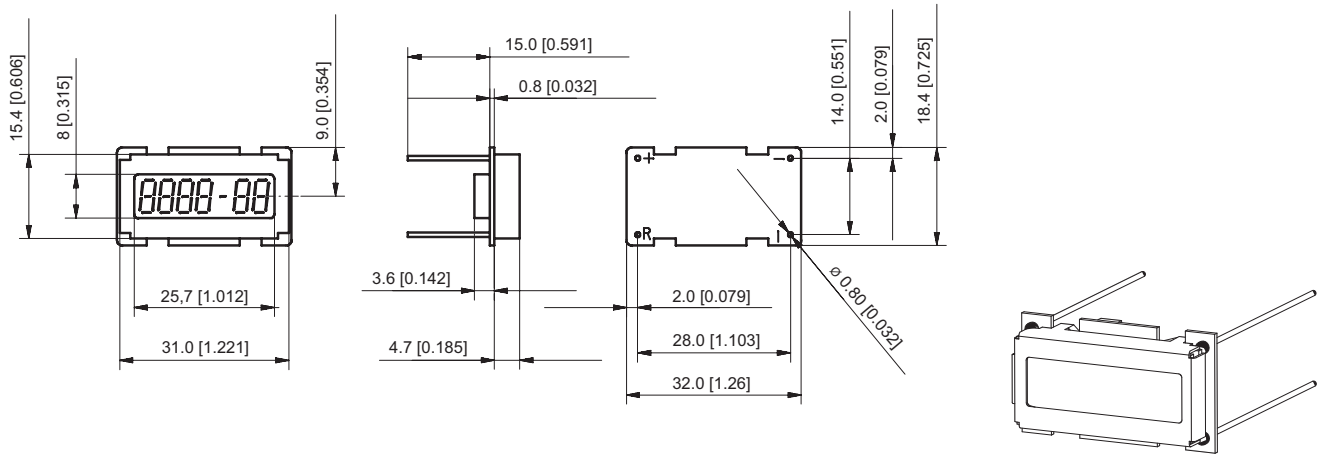
Reset input	HIGH	4 ... 60 V DC
	LOW	0 ... 0.7 V DC
	pulse length	min. 1 ms, edge triggered (rising)
Measuring error		a max. error of 36 sec. occur per Start/Stop cycle
Accuracy (Quarz)		max. 200 ppm 25°C [+77°F]

Terminal assignment



Dimensions

Dimensions in mm [inch]



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