

## Timer/Time lag relay TI484801

- Timer/Time lag relay in 48 mm x 48 mm format
- Universal AC/DC power supply
- 5 different operation modes
- 2-line LED display
- Easy programming by front keys or software
- Two relay outputs



TI484801

The compact timer TI484801 is settable in 5 different modes: Timer-ON, Timer-OFF, Pause-Work, Oscillator, PWM (time-proportioned output), all options with independent setting of ON-OFF times. 3 digital inputs are available (NPN/PNP/Potential free contact) for external commands like Start, Stop, Reset; one input is also analogic in order to allow the modification of working times by external potentiometer. Due to the 5 different time bases (hundredths, tenths, seconds, minutes, hours), the timer is usable for a lot of different applications. In addition to an excellent cost effectiveness and high quality, the timer offers a rugged, compact housing and a brilliant display.

**Display:** 2-line LED-Display  
 Upper line: Process value, 4-digit, green with 10.2 mm digits  
 Lower line: Setpoint, 4-digit, red with 7,6 mm digits

**Indicators:** Two red indicators for status relay outputs and a yellow indicator for serial communication.

C1, C 2: ON, when output active

R: ON when serial communication is active

**Buttons:** 4 front keys for programming and setting up the setpoints.

**Inputs:** Three digital inputs can be configured as PNP, NPN or TTL. Programmable thresholds for activation as a high / low active active / rising edge or level triggered.

Input signal \ Logic level	NPN	PNP	TTL
High	< 4,7 V	>5,7 V (I1, I2) >12,4 v (I3)	>2,5 V
Low	> 5,7 V	< 4,7 V (I1, I2) < 10,2 V (I3)	< 2,0 V

Input I3 can also be used for connection of a potentiometer (0 to 5/10 kOhm) for setting the nominal value (resolution: 1,000 steps).

**Function of inputs:** Start, stop, hold, reset, wait, setpoint input (I3).

**Time bases:** 5 different programmable time bases (hundredths, tenths, seconds, minutes, hours).

**Relay output:** 2 closing contacts (N.O.) with 8A @ 250 VAC. Programmable as N.O. or N.C...

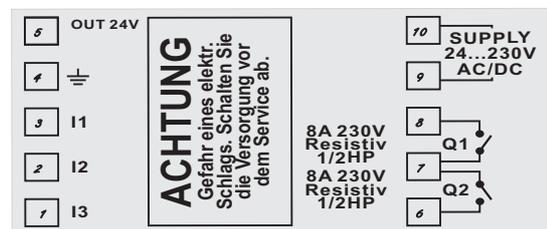
**Excitation:** 24 VDC  
 - 30 mA (24 VAC power supply)  
 - 40 mA (24 VDC power supply)  
 - 60 mA (110 bis 230 VAC power supply).

**Supply:**  
 24VAC/DC to 230 VAC/DC +/-15 %, 50/60Hz; 2 W

**Data security:** Password-protected access to setpoint, alarm values and parameters.

**Programming:** Programming and operation is menu-guided via the front keys. With the programming kit, the controller can also be programmed by a Windows™ - software. The memory card has an internal battery. Thus, the programming of the devices is possible without the supply (up to 1000 programming with a battery).

**Wiring plan:**



TI484801

**Protection class:** IP65 from the front (with rubber sealing), back plane IP20.

**Housing:** Black and robust plastic case.

**Dimensions:** W 48 mm x H 48mm x D 107 mm. Panel cut out 46 mm x 46 mm.

**Connection:** Via screw terminal.

**Ambient conditions:** Operating temperature: 0 °C to +40 °C; relative humidity 35 % to 95 % rF, non condensing.

**Weight:** 350 gramms.

**Scope of delivery:** Controller, mounting clamp, sealing, manual.

### Order codes

Type	Order-No.
Timer, 24 to 230 VAC/VDC	TI484801
<b>Accessories</b> Programming module with USB cable Software download under: <a href="http://www.wachendorff.de/wp/dpc_dow_epg_sof.html">http://www.wachendorff.de/wp/dpc_dow_epg_sof.html</a>	SFUR0KIT