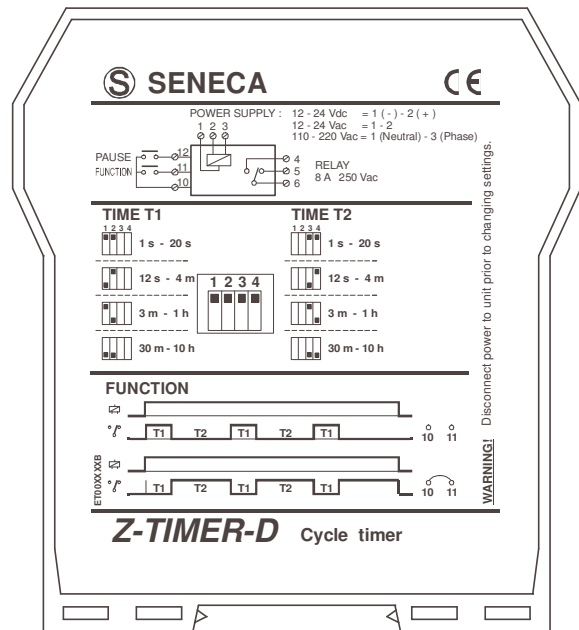
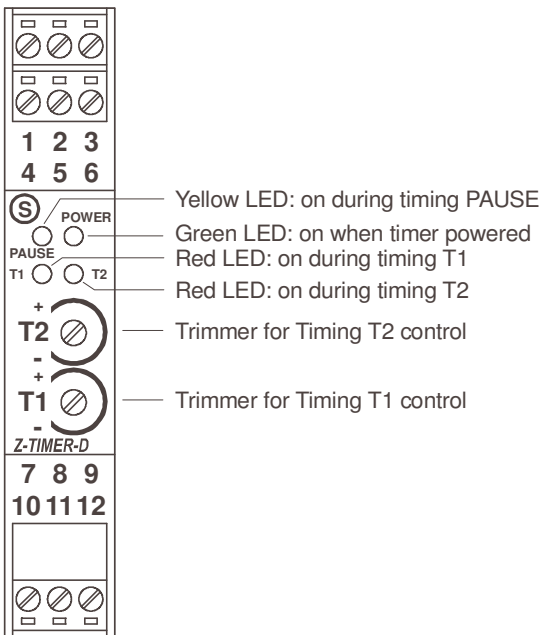


# Z-TIMER-D Microprocessor Cyclic Electronic Timer

## 2 Functions, 4 Time-scales, Universal power supply

### GENERAL CHARACTERISTICS

- 2 Functions settable by external contact.
- 4 Time-scales from 1 s to 10 h settable by DIP-switches.
- Universal power supply 12 - 24 Vdc-ac and 115 - 230 Vac.
- Relay output with 1 SPDT switch with capacity of 8 A 250 Vac (resistive load).
- External TIMING PAUSE and FUNCTION SELECTION commands from voltage-free contact.




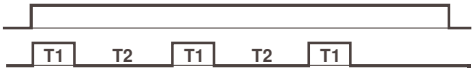


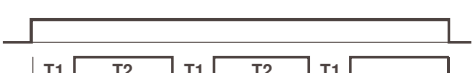

### TECHNICAL SPECIFICATIONS

Power supply :	12 – 24 Vdc-ac $\pm 10\%$ - Consumption max 2W 115 – 230 Vac $\pm 10\%$ 50 – 60 Hz. - Consumption max 14 VA
Controls :	Voltage free contact: TIMING PAUSE.
Output :	Relay with one SPDT switch 8 A 250 Vac (resistive load)
Ambient conditions :	Temperature: -10..+60°C, Humidity min:30%, max 90% at 40°C non condensating (also see installation instructions).
Standards :	The instrument conforms to the following standards: EN50081-2 (electromagnetic emissions, industrial ambient) EN50082-2 (electromagnetic immunity, industrial ambient) EN61010-1 (safety)

### INSTALLATION INSTRUCTIONS









The Z-TIMER-D module is designed to be installed vertically on a DIN 46277 guide. For top efficiency and long life, the modules must be adequately ventilated - do not lay any raceways or other objects that might obstruct the ventilation louvers. Do not fit the modules above heat generating equipment - we advise you to install them in the lower part of the panel.

## FUNCTIONS

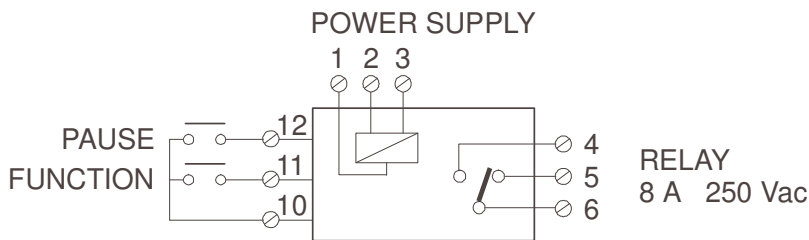
			<p>When the timer is powered up, cyclic timing begins with work time and pause time:</p> <ul style="list-style-type: none"> <li>- the first time T1 occurs with the relay energised</li> <li>- the second time T2 occurs with the relay de-energised</li> </ul> <p>The cycle finished when power is cut to the timer.</p>
			<p>When the timer is powered up, cyclic timing begins with work time and pause time:</p> <ul style="list-style-type: none"> <li>- the first time T1 occurs with the relay de-energised</li> <li>- the second time T2 occurs with the relay energised</li> </ul> <p>The cycle finished when power is cut to the timer.</p>

**PAUSE:** For all functions, when the PAUSE contact closes during timing, this stops the time count which restarts from that value when the PAUSE contact is re-opened.

## TIME SCALES

TIMING T1	TIMING T2
 1 s - 20 s	 1 s - 20 s
 12 s - 4 m	 12 s - 4 m
 3 m - 1 h	 3 m - 1 h
 30 m - 10 h	 30 m - 10 h

## ELECTRICAL CONNECTIONS



Power supply:	Clamps:
12 - 24 Vdc	1 ( - ) / 2 ( + )
12 - 24 Vac	1 / 2
110 - 220 Vac	1 (Neutral) / 3 (Phase)

