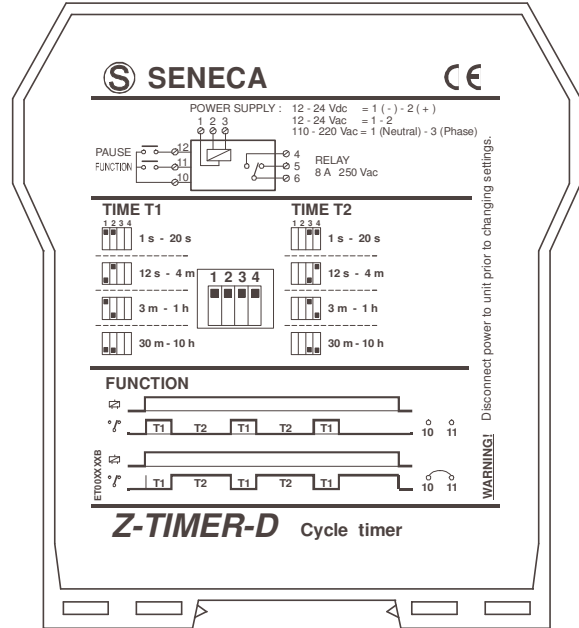
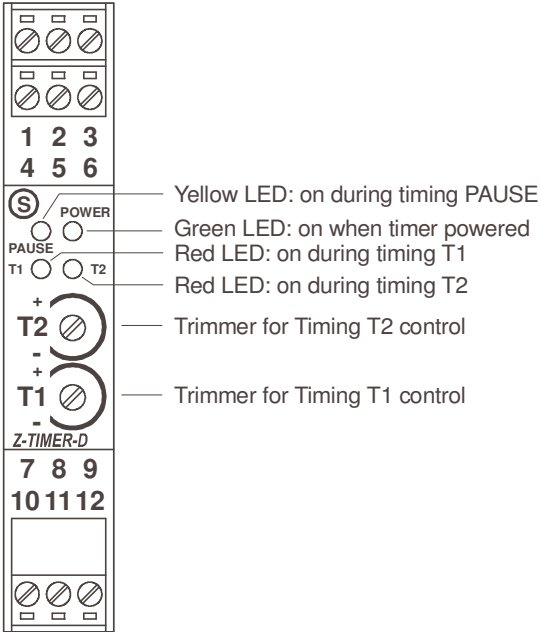


Z-TIMER-D Microprocessor Cyclic Electronic Timer

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.




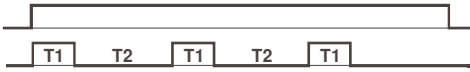


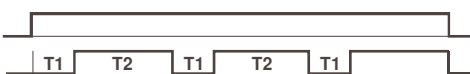

TECHNICAL SPECIFICATIONS

| | |
|----------------------|--|
| Power supply : | 12 – 24 Vdc-ac ± 10 % - Consumption max 2W 115 – 230 Vac ± 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

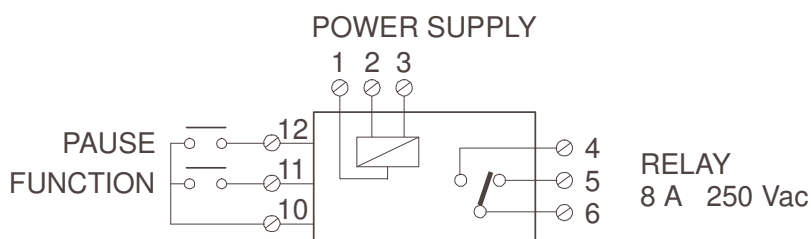
| | | | |
|---|---|---|---|
|  |  |  | <p>When the timer is powered up, cyclic timing begins with work time and pause time:</p> <ul style="list-style-type: none"> - the first time T1 occurs with the relay energised - the second time T2 occurs with the relay de-energised <p>The cycle finished when power 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"> - the first time T1 occurs with the relay de-energised - the second time T2 occurs with the relay energised <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 |
|---|--|
|  <p>1 s - 20 s 12 s - 4 m 3 m - 1 h 30 m - 10 h</p> |  <p>1 s - 20 s 12 s - 4 m 3 m - 1 h 30 m - 10 h</p> |

ELECTRICAL CONNECTIONS



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



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