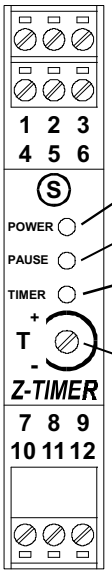
Z-TIMER Electronic timer and microprocessor
8 Functions, 8 Time-scales, Universal power supply

GENERAL CHARACTERISTICS

- 8 Functions set by DIP-switches.
- 8 Time-scales from 50 ms to 10 h set by DIP-switches.
- Universal power supply 12 - 24 Vdc-ac and 110 - 220 Vac.
- Relay output with 1 SPDT switch with capacity of 8 A 250 Vac (resistive load).
- External START and TIMING PAUSE commands from voltage-free contact.
- Front panel with signals indicating power ON, relay pick-up, timing and timing pause.

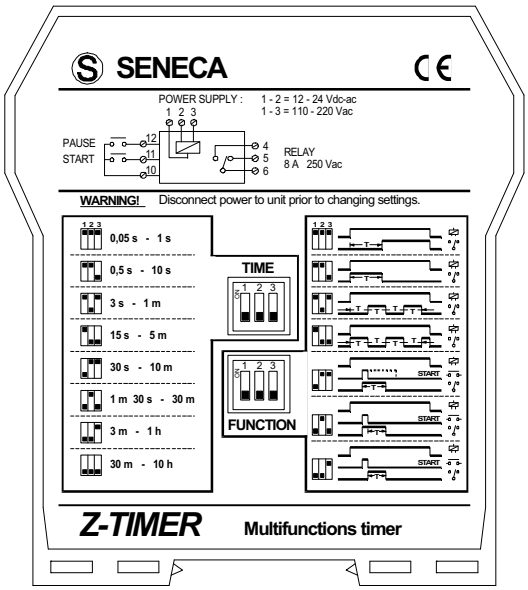


Green LED: on when timer powered

Red LED: on when relay picked up

Yellow LED: on during timing PAUSE with flashlight

Trimmer for timing control



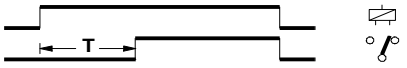
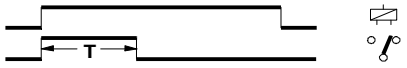
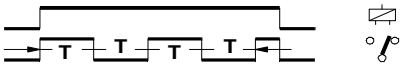
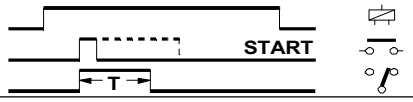
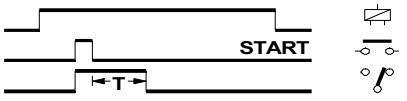
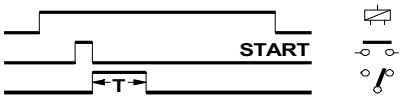
TECHNICAL SPECIFICATIONS

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: START TIMING. Voltage free contact: TIMING PAUSE.
Output :	Relay with one SPDT switch 8 A 250 Vca (resistive load)
Ambient conditions :	Temperature: -10..+60°C, Humidity min:30%, max 90% a 40°C non condensating (also see installation instructions).
Standards : CE	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 module is designed to be installation 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

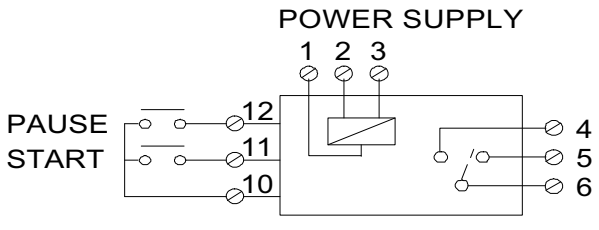
1 2 3		When the timer is powered up, timing with de-energised relay begins automatically. When the timing period has elapsed, the relay picks up until power is cut to the timer.
1 2 3		When the timer is powered up, timing with picked-up relay begins automatically. When the timing period has elapsed, the relay drops out.
1 2 3		When the timer is powered up, cyclic timing begins automatically (with work time identical to pause time). The first timing occurs with the relay de-energised. The cycle finishes when power is cut to the timer.
1 2 3		When the timer is powered up, cyclic timing begins automatically (with work time identical to pause time). The first timing occurs with the relay picked-up. The cycle finishes when power is cut to the timer.
1 2 3		When the START contact closes, this makes the relay pick up and timing begins. When the timing period has elapsed, the relay drops out independently of re-opening of the START contact.
1 2 3		When the START contact closes, this makes the relay pick up, timing beings when the contact re-opens. When the timing period has elapsed, the relay drops out. Closing of the START contact during timing resets elapsed time and starts a new timing period when the contact re-opens.
1 2 3		When the START contact re-opens, the relay picks up and timing begins. When the timing period has elapsed, the relay drops out.
1 2 3		When the DIP-switches are in this position, the relay always stays picked up without timing.

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

1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
0,05 s - 1 s	0,5 s - 10 s	2 s - 1 m	7 s - 5 m	12 s - 10 m	35 s - 30 m	1 m - 1 h	15 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)

UNI EN ISO 9001

CERTIFICATE
Nr. 9115.SENE

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