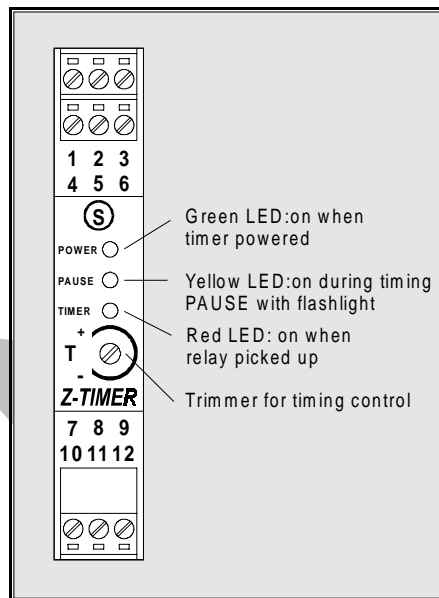


# Z-TIMER MICROPROCESSOR ELECTRONIC TIMER

## 8 FUNCTIONS, 8 TIME-SCALES, UNIVERSAL POWER SUPPLY

Microprocessor electronic Timer in "V0" self-extinguishing glass filled nylon case. Case is the width of 1 DIN module and is designed to fit on 35 mm mounting rail (DIN 46277)

- 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.











### FUNCTIONS

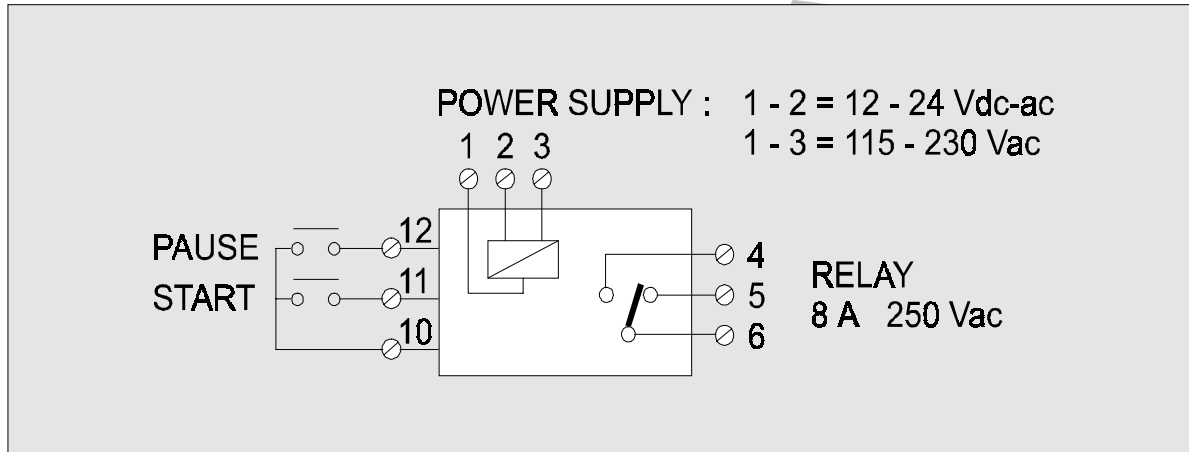
			When the timer is powered up, timing with de-energised relay begins automatically. When the timing period has elapsed, the relay picks up until power is cut to the timer.
			When the timer is powered up, timing with picked-up relay begins automatically. When the timing period has elapsed, the relay drops out.
			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.
			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.
			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.
			When the START contact closes, this makes the relay pick up, timing begins 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.
			When the START contact re-opens, the relay picks up and timing begins. When the timing period has elapsed, the relay drops out.
			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

							
0,05 s - 1 s	0,5 s - 10 s	3 s - 1 m	15 s - 5 m	30 s - 10 m	1 m 30 s - 30 m	3 m - 1 h	30 m - 10 h

## ELECTRICAL CONNECTIONS



## 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
Dimensions : Weight :	( b x h x d ) : 17,5 x 100 x 112 mm Approx. 200 g.
Standards : 	The instrument conforms to the following standards: EN50081-2 (electromagnetic emissions, industrial ambient) EN50082-2 (electromagnetic immunity, industrial ambient) EN61010-1 (safety)



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