

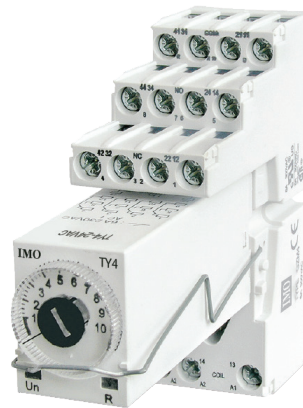
# TY4 Series

## Electronic Miniature On-Delay Timer



### Key Features

- Plug-In Timer
- Settings range from 0.1 sec. to 100 hours
- 4 pole changeover contacts rated at 6A @ 240VAC
- AC & DC supply versions available
- LED indication for Time Range, Counting Time and Power On
- Pin-out compatible with industry standard 4-pole plug-in relays
- Sockets available for DIN Rail or PCB mounting



Plug-in socket SRN4-S sold separately

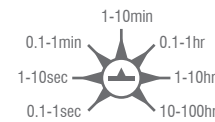


### Options & Ordering Codes

Series	TY4	12DC	Supply Voltage
TY4 Plug-In Timer	TY4	12DC	12V DC
		24DC	24V DC
		24AC	24V AC
		115AC	115V AC
		230AC	230V AC

### Time Range

Switch on the bottom of the product to be used to select timer duration.



### General Data

Operating / Release Time (typical values)	10ms / 8ms
Electrical Life (AC1)	> 10 <sup>5</sup> @ 6A, 250VAC
Mechanical Life (Cycles)	> 2 x 10 <sup>7</sup>
Dimensions (L x W x H)	27.5 x 21.2 x 62.5mm
Weight	49g
Ambient Temperature	-20°C to +85°C
Storage Temperature	-20°C to +55°C
Protection Rating	IP20
Shock Resistance (NO / NC)	10g / 5g
Vibration Resistance	5g 10Hz to 150Hz

### Contact Data - Input Circuit

Rated Voltage	50/60Hz AC	24 to 230V
	DC	12 to 24V
Must Release Voltage	AC	≥ 0.2Un
	DC	≥ 0.1Un
Operating Range of Supply Voltage		0.8 to 1.1 Un
Rated Power Consumption	AC	2.2VA
	DC	1.2W
Range of Supply Frequency		48 to 63Hz

### Characteristics

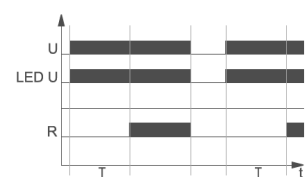
Insulation Rated Voltage	250V AC	
Dielectric Strength	Inputs - Outputs	2500V AC (Insulation Type: Basic)
	Contact Clearance	2500V AC (Insulation Type: Basic)
	Pole - Pole	2000V AC (Insulation Type: Basic)
Input - Output Distance	Clearance	≥ 1.6mm
	Creepage	≥ 3.2mm

### Contact Data - Output Circuit

Number & Type of Contacts	4 CO	
Contact Material	AgNi	
Max. Switching Voltage	250V AV / 250V DC	
Rated Load (AC1)	6A / 230V AC	
Max. Inrush Current	12A	
Rated Current	6A	
Max. Breaking Capacity (AC1)	1500VA	
Min. Breaking Capacity	0.3W	5V, 5mA
Contact Resistance		≤ 100mΩ
Max. Operating Frequency	at rated load AC1	1200 cycles/hour
	no load	18000 cycles/hour

### Time Module Data

Function	ON Delay
	Applying the supply voltage U, the set time T begins - Off delay of the relay output relay R. After the interval T has lapsed, the output relay R switches on and remains on until the supply voltage U is interrupted
Time Ranges	1s, 10s, 1min, 10min, 1h, 10h, 100h
Timing Adjustments	Range - with the range-adjusting knob/switch; Within the range - with time-adjusting knob/potentiometer
Setting Accuracy	±5% (calculated from the final range values)
Repeatability	±1%
Temperature Influence	±0.01%/°C
Recovery Time	100ms
LED Indicator	Green: Indication of supply voltage U; Yellow: Indication of time period T & status of outputs after time T has been measured

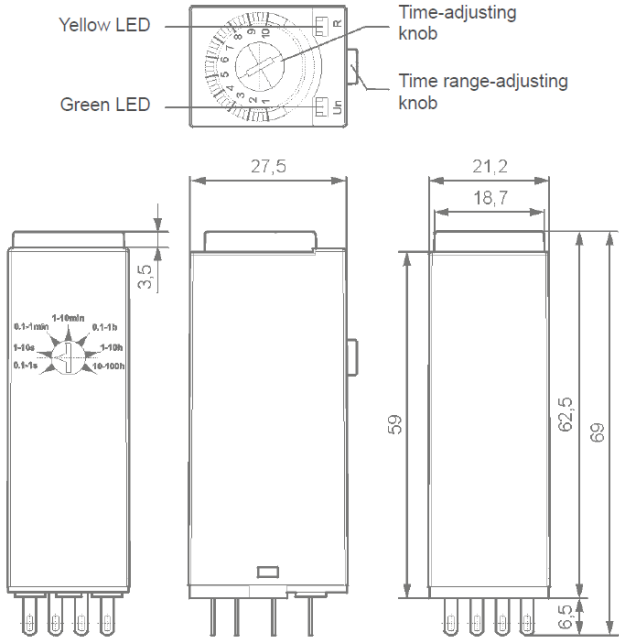


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### Dimensions (mm)



### Dimensions with Socket (mm)

