

Features

- 24-240VAC/DC Wide Operating Range
- 0.1sec-30h Time Range
- Slim Type Design
- DINI Rail Mounting
- IP20 Protection Class
- 1 CO contact output (8A, 2000 VA)

RS PRO Timer Relays

RS Stock No.: 0558905



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This timer relay has 24-240 VAC/DC wide operating range and adjustable time range from 0.1 seconds to 30 hours. It is designed for multi-purpose application with its thin and narrow design.

Utilization and Working Principle:

1. Function Adjustment:

- **OFF Delay:** When the supply voltage is applied, the output relay switches into ON position and the adjusted time "t on" is started to count. The output relay switches into OFF position at the end of the time "t on". This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the adjusted time, the time already expired is erased and is restarted when the supply voltage is applied again.
- **ON Delay:** When the supply voltage is applied, the

adjusted time "t off" is started to count. After the adjusted "t off" has expired, the output relay switches into ON position. This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the adjusted time, the time already expired is erased and is

restarted when the supply voltage is applied again.

2. "T on" Time Multiplier Adjustment:

It is the time multiplier that the selected time range is multiplied. It is set from 1 to 10 with the adjustment trimpot on the device. If the OFF Delay function is selected in the function adjustment this trimpot must be used for the time multiplier adjustment.

3. "T off Time Multiplier Adjustment:

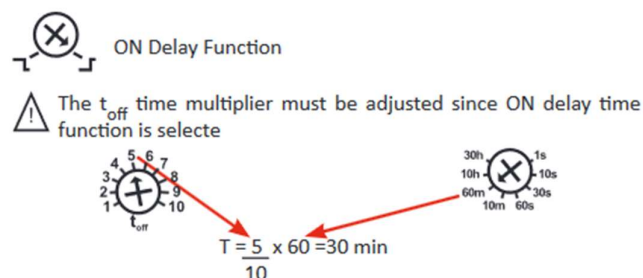
It is the time multiplier that the selected time range is multiplied. It is set from 1 to 10 with the adjustment trimpot on the device. If the ON delay function is selected in the function adjustment this trimpot must be used for the time multiplier adjustment.

4. Time Range Adjustment:

It shows the maximum value of the selected time range. One of 8 different time range is selected according to the operation time to be set.

$$\text{Operation time} = \frac{\text{Time multiplier} \times \text{Time range}}{10}$$

Example: If it is wanted to be set operation time to 30 minutes in ON delay function, the position of the trimpots should be as indicated **below**.

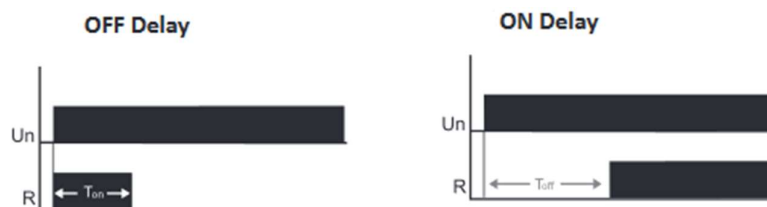


5. Supply LED:

When the supply voltage is applied, ON LED on the device illuminates. When the supply voltage is interrupted, ON LED extinguishes.

6. Relay LED:

When the output relay is ON position, OUT LED on the device illuminates. When the output relay is OFF position, OUT LED extinguishes.



General Specifications

Operating Voltage (U_n)	24 - 240 VAC/DC
Operating Frequency	50-60Hz
Power Consumption	< 8 VA
Protection Class	IP20

Enclosure Specifications

Dimensions	90 x 58 x 19mm (DINI Rail Mounting)
Width	19mm
Length	58mm
Height	90mm

Output Specifications

Repeat Accuracy	$\pm 0.1\%$
Reset Time	< 150 ms
Output Contact	1 CO, 8 A, 2000 VA ($\cos\phi=1$)
Time Range	0.1 sec - 30 h

Ambient Specifications

Ambient Temperature/Humidity	-5 / +50 °C; % 85
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Connection Specifications

Mounting	Rail Mounting; Terminal with Screw
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