

# PROGRAMMABLE SINGLE-FUNCTION | MULTI-RANGE

## TE-6 SERIES



- ◆ Single function time delay
- ◆ Universal Input Voltage: 12-240V AC/DC
- ◆ 0.1 second - 100 hours time delay ranges
- ◆ 10A SPDT output contacts
- ◆ LEDs indicate output relay status & timing mode
- ◆ Compact 17.5mm enclosure mounts on 35mm DIN-rail



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Single function TE-6 Series Series Time Delay Relays are used for applications where timing function does not change. All functions initiated by the control voltage can use the control input to inhibit the ongoing delay.

These relays offer ten timing ranges with a universal voltage input (12 -240V AC/ DC). Red and green LED provides clear indication of relay status.

The compact 17.5 mm enclosure mounts on 35 mm DIN-rail.

CATALOG NUMBERS	TE-6026U	TE-6166U
FUNCTION	ON DELAY	OFF DELAY
<b>CONTROL VOLTAGE</b>		
Voltage Range	12-240V AC/DC, 50/60Hz	
Operating Range	-15% of 12V, +10% of 240V (-15%, +10%)	
<b>OUTPUT</b>		
Configuration	SPDT	
Rating	10A @ 250V AC	
Minimum Switching	100mA @ 5V	
Contact Material	Silver Alloy	
Life	10 million operations mechanical; 50,000 electrical	
<b>TIMING</b>		
Time Ranges	Ten Ranges: 0.1 Sec. - 100 Hr.	
Repeat Accuracy	±0.2%	
Setting Accuracy	5%	
Reset Time	150ms maximum	
Trigger Pulse Length	50ms minimum	
<b>OTHER</b>		
Mounting	35mm DIN Rail only	
Agency Approval		
Temperature	Storage: -30° to 70° C (-22° to 158° F) Operating: -20° to 55° C (-4° to 131° F)	
LED Indication	Green - Control Voltage; Red - Timing or Relay ON	
Terminations	Solid or stranded wire, 12-22 AWG	
Weight	61 g (0.13 lb)	

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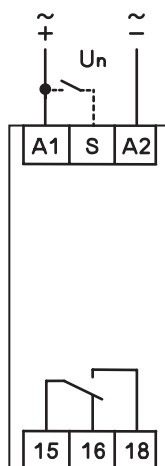
## TE-6 SERIES

### FUNCTIONS

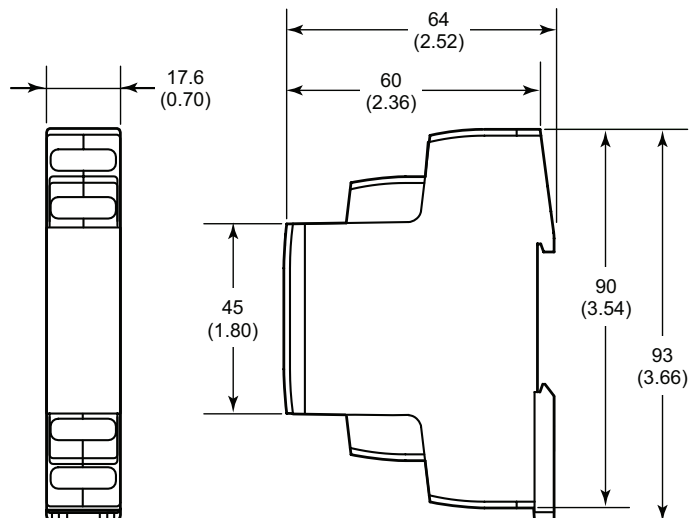
FUNCTION	DESCRIPTION	GRAPH
<b>ON DELAY (TE-6026U)</b>	Upon application of input voltage, the time delay (t) begins. At the end of the time delay (t), the output is energized. Input voltage must be removed to reset the time delay relay and de-energize the output.	
<b>ON DELAY WITH INHIBIT (TE-6026U)</b>	Upon application of input voltage, the time delay (t) begins. At the end of the time delay (t), the output is energized. Input voltage must be removed to reset the time delay relay and de-energize the output. If the control contact (S) is closed during the time delay, the timing is paused and continues only after the control contact(S) reopens.	
<b>OFF DELAY (TE-6166U)</b>	Upon application of input voltage, the time delay relay is ready to accept a trigger. When the trigger is applied, the output is energized. Upon removal of the trigger, the time delay (t) begins. At the end of the time delay (t), the output is de-energized. Any application of the trigger during the time delay will reset the time delay (t) and the output remains energized.	

<b>LED STATUS INDICATION (RED)</b>		
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### WIRING



### DIMENSIONS



All Dimensions in Inches (Millimeters)