

# PROGRAMMABLE MULTI-FUNCTION | MULTI-RANGE

## TE-881 SERIES



- ◆ 10 field-selectable functions in one unit
- ◆ Universal Input Voltage: 12-240V AC/DC
- ◆ 0.1 second - 10 days programmable time delay
- ◆ 15A SPDT or DPDT output contacts
- ◆ LEDs indicate output relay status & timing mode
- ◆ Compact 17.5mm enclosure mounts on 35mm DIN track
- ◆ Pilot duty rating



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**800.238.7474**

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The TE-881 Series time delay relays offer 10 timing functions and a universal voltage input (12-240V AC/DC) with a programmable time range from 0.1 second – 10 days all in one compact unit. Choose between versions with 15A SPDT or DPDT output contacts. A green LED indicates input voltage applied; a red LED blinks during timing and is steady when the output relay is energized. These products have a compact 17.5mm enclosure which snaps on to 35mm DIN rail. This conserves space and reduces installation time, which saves money. With all this flexibility, the TE-881 Series replaces hundreds of separate time delay relays.

Catalog Number	TE-8816U	TE-8812U
<b>Input</b>		
<b>Voltage Range</b>	12-240V AC/DC, 50/60Hz	12-240V AC/DC, 50/60Hz
<b>Operating Range</b>	-15% of 12V, +10% of 240V	-15% of 12V, +10% of 240V
<b>Burden</b>	3VA (AC), 1.7W (DC)	3VA (AC), 1.7W (DC)
<b>Output</b>		
<b>Configuration</b>	SPDT	DPDT
<b>Rating</b>	15A @ 240V AC 1/3HP @ 120V AC, 3/4HP @ 240V AC, B300	
<b>Minimum Switching</b>	100mA @ 5V AC or 5V DC	
<b>Contact Material</b>	Silver Alloy	
<b>Life</b>	10 million operations mechanical; 70,000 electrical	
<b>Timing</b>		
<b>Number of Functions</b>	10 (see descriptions on Page 44)	
<b>Time Ranges</b>	8 different time ranges built-in:	
	100 ms - 1 Sec.	0.1 - 1 Hr.
	1 - 10 Sec.	1 - 10 Hr.
	0.1 - 1 Min.	0.1 - 1 Day
	1 - 10 Min.	1 - 10 Days
<b>Repeat Accuracy</b>	±0.2%	
<b>Setting Accuracy</b>	5%	
<b>Reset Time</b>	150ms maximum	
<b>Trigger Pulse Length</b>	50ms maximum	
<b>Other</b>		
<b>Mounting</b>	35mm DIN Rail only	
<b>Agency Approval</b>	cULus CE (File #E109466)	
<b>Temperature</b>	Storage: -30° to 70° C (-22° to 158° F) Operating: -20° to 55° C (-4° to 131° F)	
<b>LED Indication</b>	Green-Input Voltage; Red-Timing or Relay ON	
<b>Terminations</b>	14 AWG (2.5mm <sup>2</sup> )	

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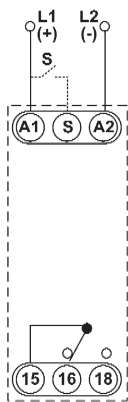
## TE-881 SERIES

### FUNCTIONS

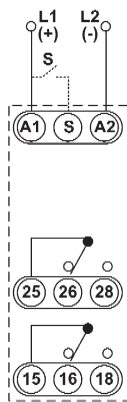
FUNCTION	DIAL SETTING	GRAPH	FUNCTION	DIAL SETTING	GRAPH
ON DELAY	<b>A</b>		REPEAT CYCLE * (ON 1ST)	<b>F</b>	
REPEAT CYCLE * (OFF 1ST)	<b>B</b>		PULSE GENERATOR (PULSE=0.5 SEC)	<b>G</b>	
INTERVAL	<b>C</b>		ONE SHOT	<b>H</b>	
OFF DELAY	<b>D</b>		ON/OFF DELAY *	<b>I</b>	
RETRIGGERABLE ONE SHOT (Watchdog)	<b>E</b>		MEMORY LATCH (Latching Relay)	<b>J</b>	

\* Note: ON & OFF times are the same.

### CONNECTION DIAGRAMS

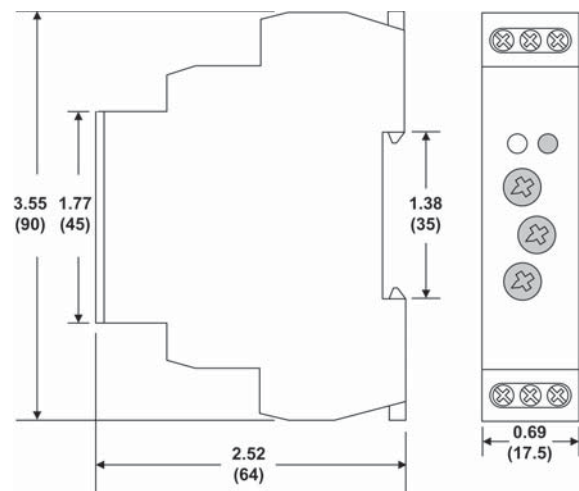


TE-8816U  
SPDT



TE-8812U  
DPDT

### DIMENSIONS



All Dimensions in  
Inches (Millimeters)