

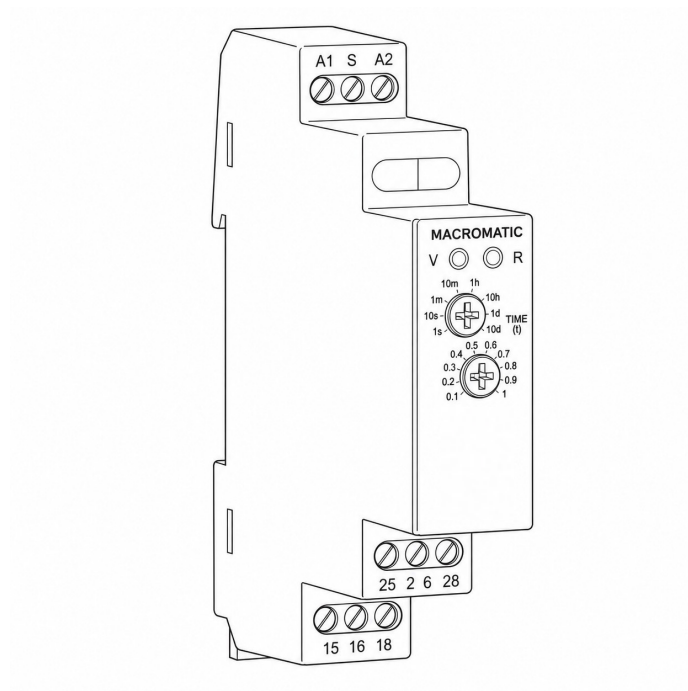


TE6 TIME DELAY RELAYS

17.5MM DIN-RAIL MOUNTED

Data Sheet

Time Delay Relays - TE6 Series



PRODUCT INTRODUCTION

Macromatic/Trystar TE6 Time Delay Relays deliver versatile timing control by combining multiple timing ranges and functions into a single compact DIN rail device. Front mounted selectors allow fast configuration without tools or programming and adjustable time ranges enable precise coordination with system requirements. The narrow 17.5MM form factor and industrial grade design make TE6 timers ideal for modern, high density control panels.

Key Features

- Multi-time range capability
Each relay supports wide variety of timing selections
- Multi-function capability
TE681 models support 8 user selectable functions
- Compact DIN rail housing
Saves panel space and reduces enclosure size
- LED indication
Improves visibility during setup and troubleshooting
- Universal Voltage
Supports wide range of voltages for all applications.
- Industrial reliability
Designed for continuous duty applications
- Reduces inventory
Replaces multiple single function and voltage timers

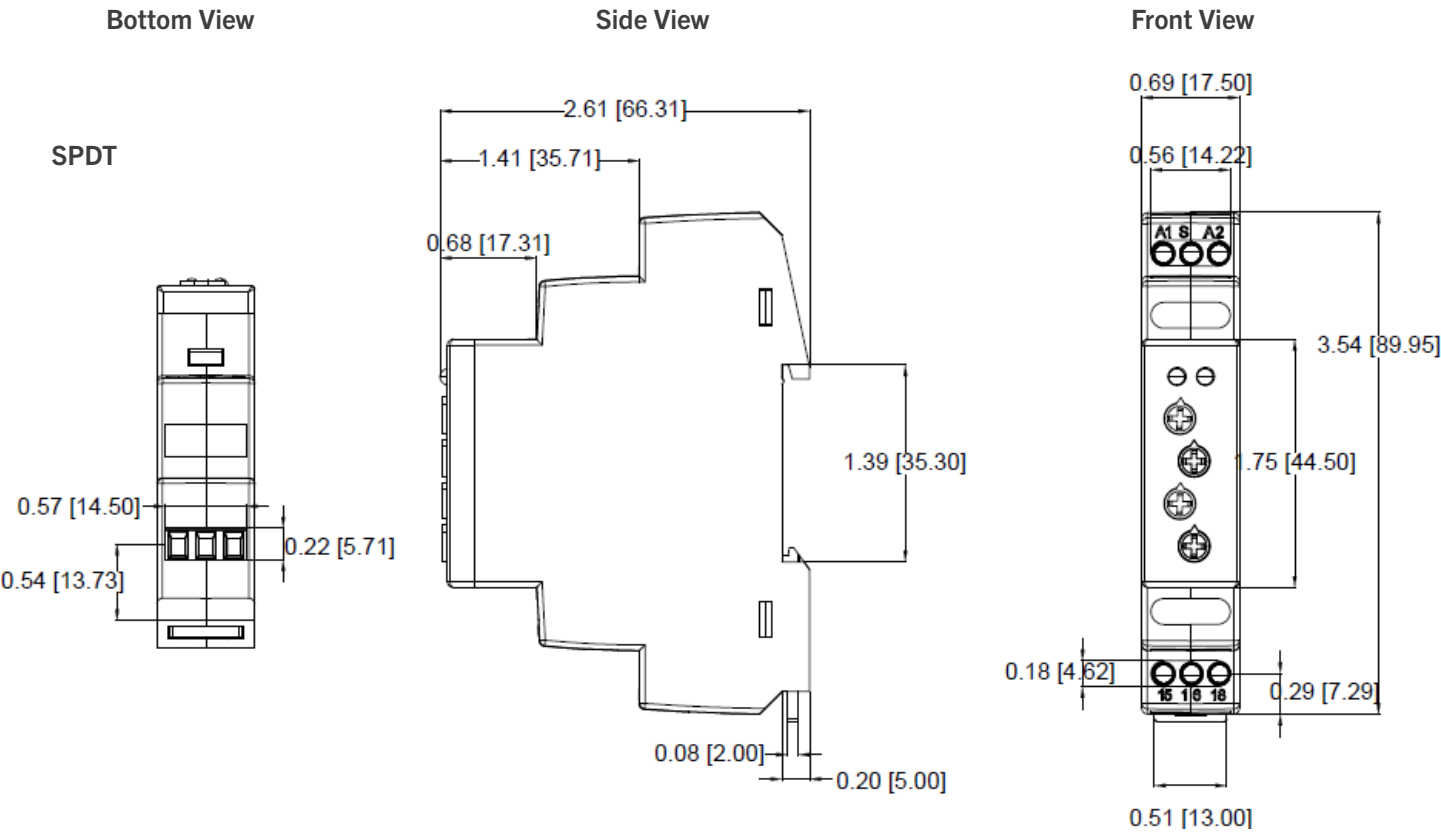
PRODUCT SPECIFICATIONS

Voltage Tolerance:					
	Control Voltage	24-240V AC 12-240V DC AC Operation +10/-15% of nominal at 50/60 Hz DC Operation +10/-15% of nominal			
Load (Burden):					
	Maximum	4VA			
Time Ranges:					
	All ranges included with every model	1s	0.1-1s	1h	0.1-1h
		10s	1-10s	10h	1-10h
		1m	0.1-1m	1d	0.1-1d
		10m	1-10m	10d	1-10d
Timing Setting Accuracy:					
	Maximum Setting (Adjustable)	+5 / -0%			
	Minimum Setting (Adjustable)	+0 / -50%			
	Fixed Time Delay	±2% or 50ms, whichever is greater			
Repeat Accuracy:					
	Constant Voltage and Temperature	±0.1% or ± 0.05 seconds, whichever is greater			
	Variable Voltage and Temperature	±5% or ± 0.1 seconds, whichever is greater			

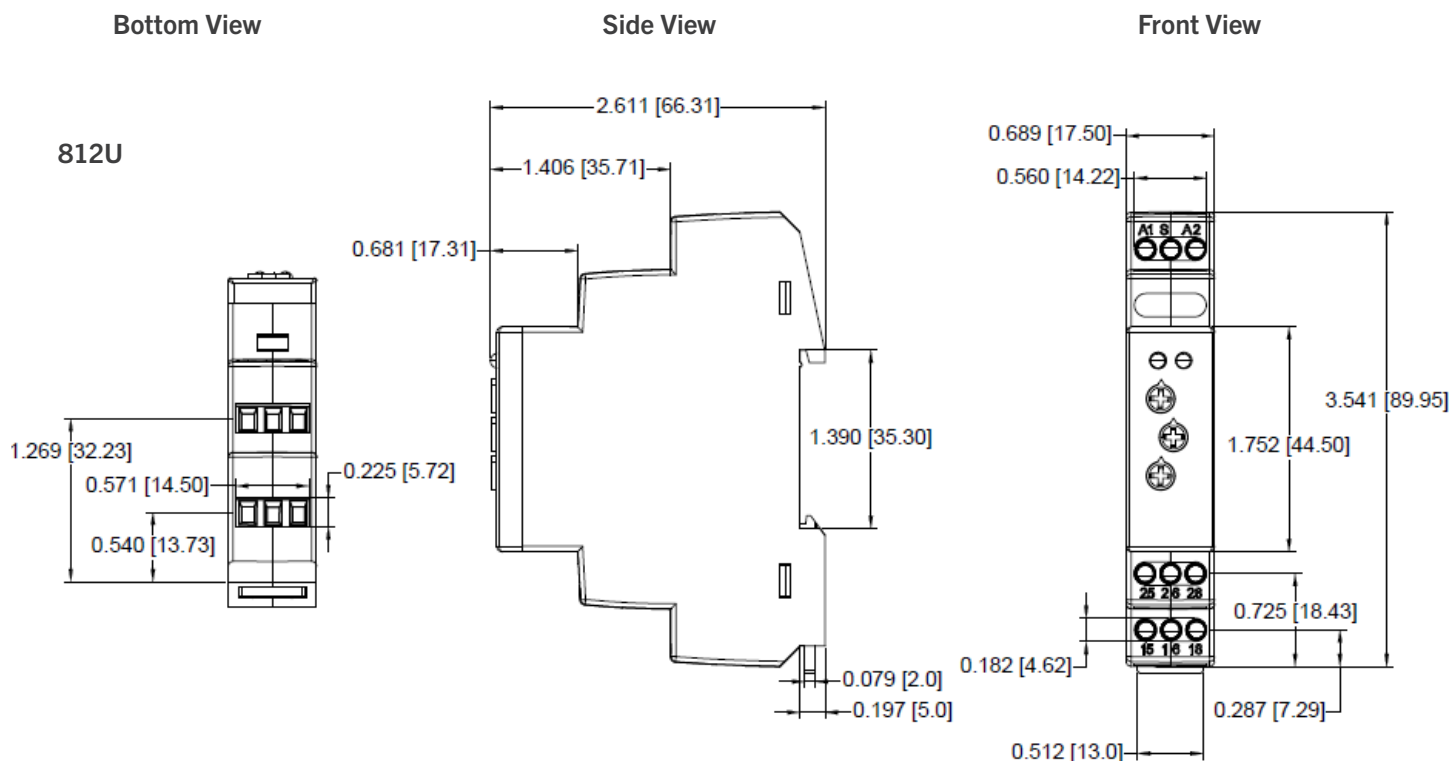
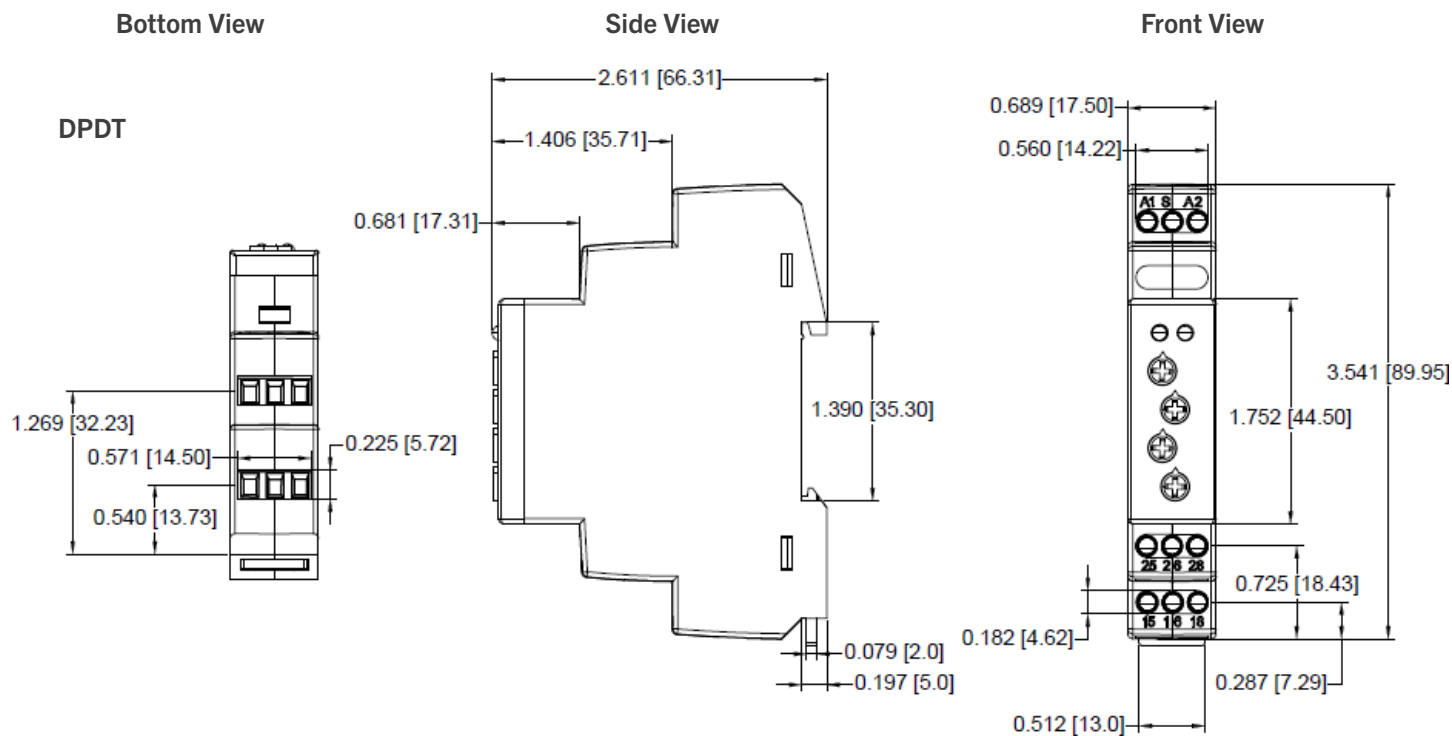
PRODUCT SPECIFICATIONS CONT.

Life:		
	Mechanical	10,000,000 operations
	Full Load	100,000 operations
Output Contact Ratings:		
	10A @ 250V AC / 8A @ 30V DC SPDT/DPDT	
Approvals:		
	UL Listed (cULus)	File # E236146; UL60947-4-1

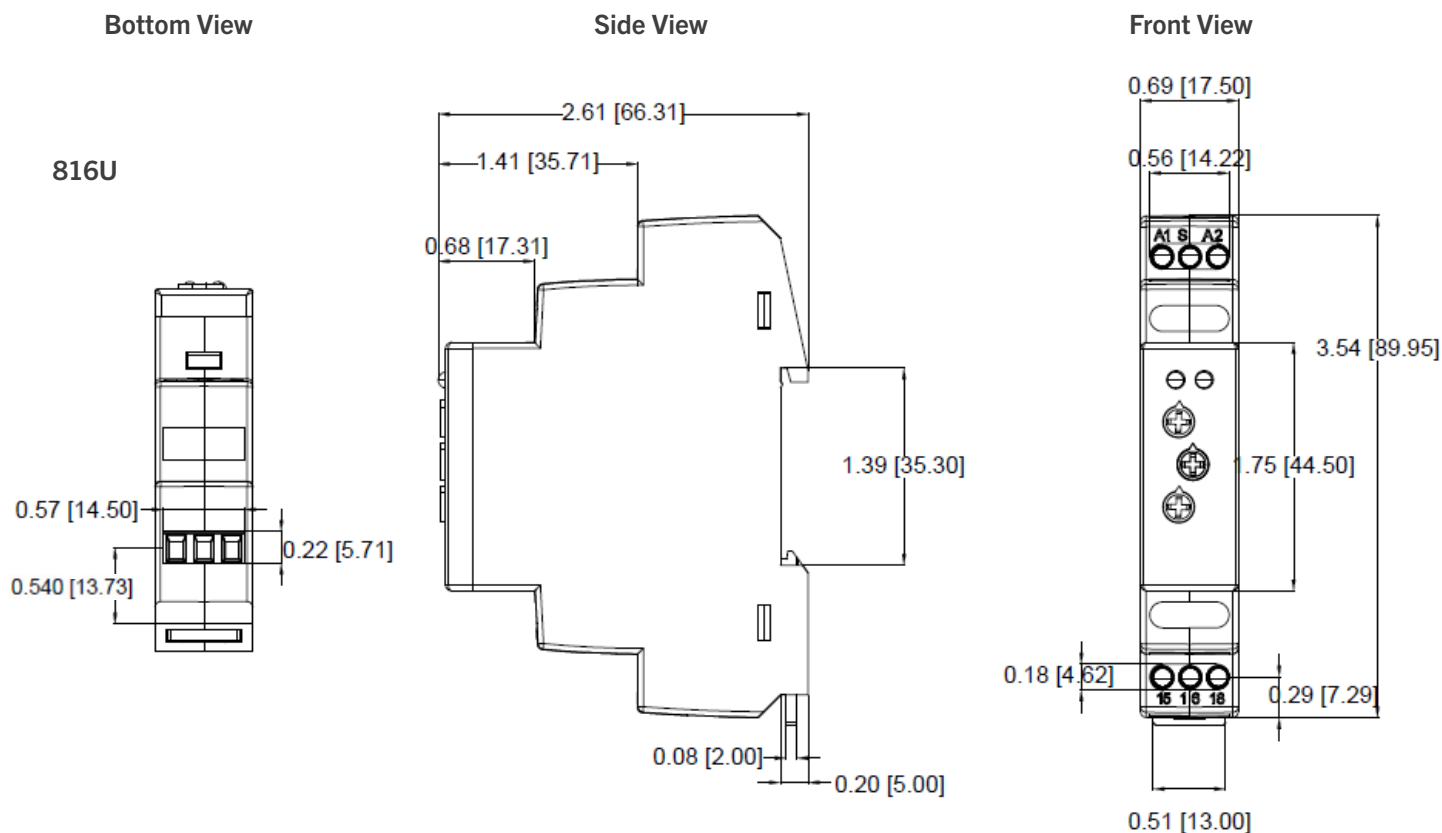
DIMENSIONAL DRAWINGS



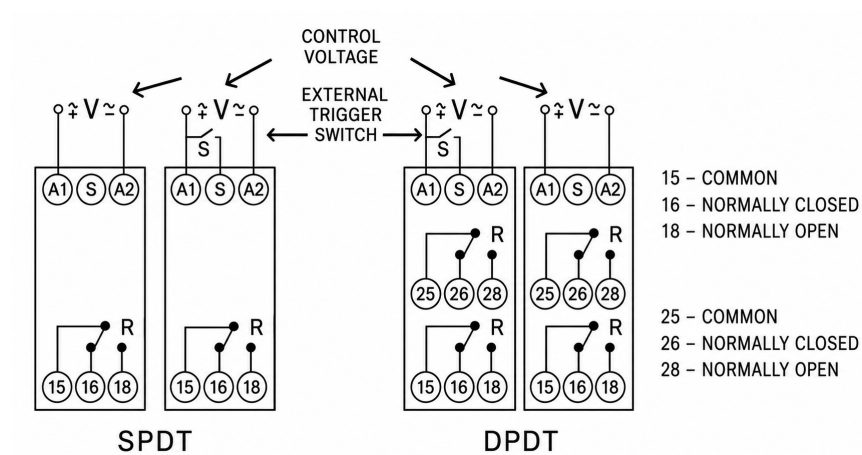
DIMENSIONAL DRAWINGS CONT.



DIMENSIONAL DRAWINGS CONT.



WIRING DIAGRAM



ORDERING INFORMATION

TE6 17.5MM Time Delay Relay

Family		Function		Output Configuration		Monitored Voltage (Line to Line)	
TE6	17.5MM Time Delay	02	On Delay	2	DPDT	U	24-240V AC 12-240V DC
		05	Interval On	6	SPDT		
		08	Flasher (Off 1st)				
		09	Flasher (On 1st)				
		12	Triggered On Delay				
		13	Watchdog				
		15	Single Shot				
		16	Off Delay				
		22	Single Shot Falling Edge				
		31	Repeat Cycle (Off 1st)				
		41	Delay On/Off				
		51	Repeat Cycle (On 1st)				
		61	Delayed Interval				
		65	Triggered Delayed Interval				
		81	Multi-Function				

Functions included with Multi-Function:

- On Delay
- Flasher (Off 1st)
- Interval On
- Off Delay
- Watchdog
- Flasher (On 1st)
- Single Shot
- On Delay / Off Delay



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