

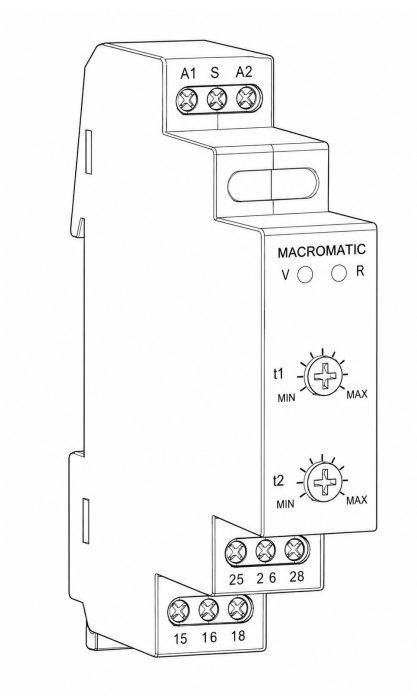


TE5 TIME DELAY RELAYS

17.5MM DIN-RAIL MOUNTED

DATA SHEET

Time Delay Relays - TE5 Series



PRODUCT INTRODUCTION

The TE5 Series of 17.5MM time delay relays provide precise time-based control in a compact package, saving valuable space. Each product has a single dedicated function and time range so there is no complicated setup required before use. Time delays ranging from 0.05 seconds to 100 hours can be achieved across 17 user-adjustable time ranges. Factory-fixed, non-adjustable time settings are also available. Select from 15 unique timing functions to meet your specific control and automation needs.

Key Features

- Single function & time range easy setup & operation
- Slim 17.5MM design for compact DIN Rail mounting
- Universal control voltage: 24V-240V AC & 12-240V DC
- UL listed for US and Canada (cULus)
- 15 time delay functions available
- Adjustable or factory fixed time ranges from 50ms to 100 hours
- LEDs indicate power applied, output relay status and timing mode
- 10A SPDT or DPDT outputs available
- Proudly manufactured in the United States

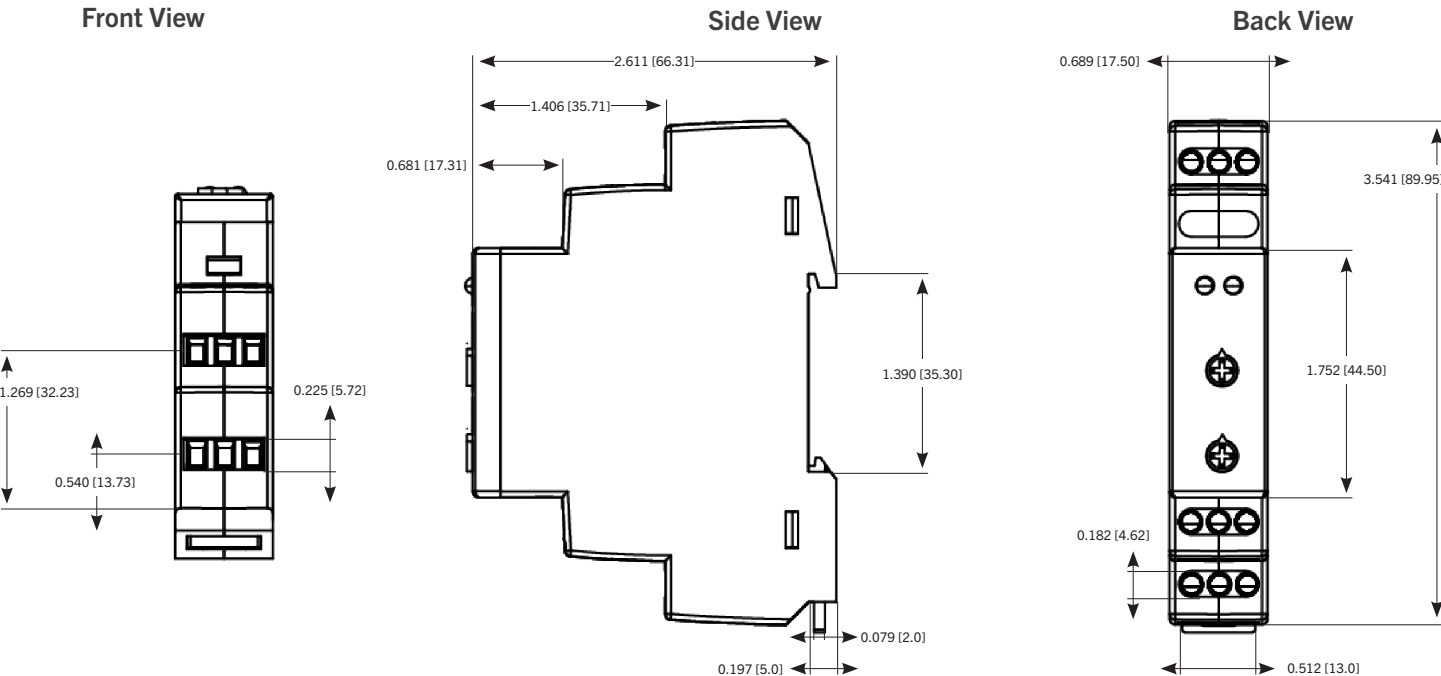
PRODUCT SPECIFICATIONS

Voltage Tolerance:		
	Control Voltage	24-240 V AC 12-240 V DC AC Operation+10/-15% of nominal at 50/60 Hz DC Operation-10/15% of nominal
Load (Burden):		
	Maximum	4 VA
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
	Changing Voltage and Temperature	±5% or ±.1 seconds, whichever is greater
Reset Time:		
	Triggered with Input Voltage	0.1 seconds
	Triggered with Control Switch	0.04 seconds
Start-up Time:		
	Time from when power is applied until unit starts timing	0.05 seconds

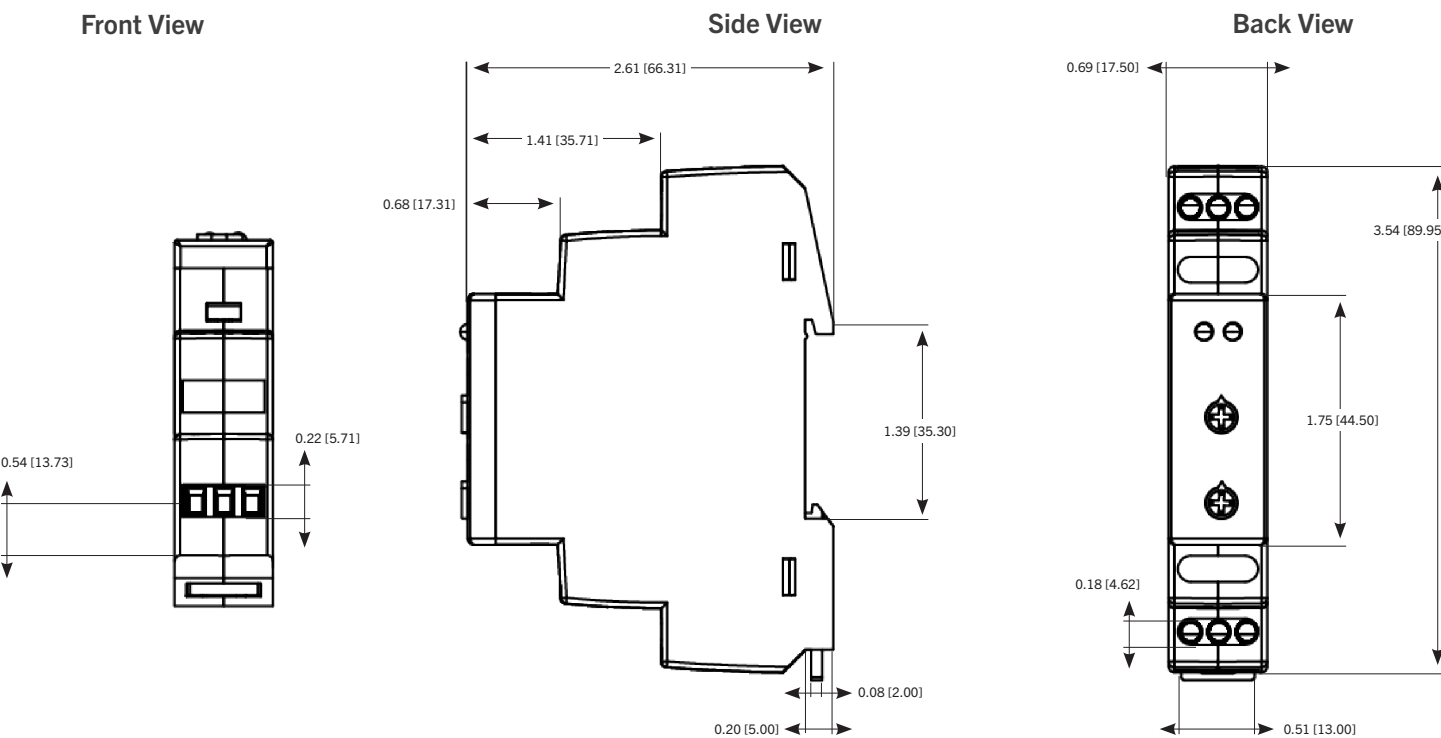
Maintain Function Time:		
	Time unit continues to operate after power is removed	0.01 seconds
	Interruptions longer than this time may reset the timing cycle	
Minimum required trigger switch closure:		
	0.05 seconds	
Temperature:		
	Operating	-28° to 65°C (-18° to 149° F)
	Storage	-40° to 85°C (-49° to 185° F)
Output Contact Ratings:		
	10A @ 250V AC / 8A @ 30V DC SPDT/DPDT	
Life:		
	Mechanical	10,000,000 operations
	Full Load	100,000 operations
Mounting:		
	35mm DIN Rail required	
Wiring:		
	Wire Size	14-22AWG
	Wiring Terminals	Flat blade (slotted) screw, 1/8" (3mm) screw driver recommended.
	Terminal Torque	4 in-lbs
Approvals:		
	UL Listed (cULus)	E236146; UL60947-4-1

DIMENSIONAL DRAWINGS

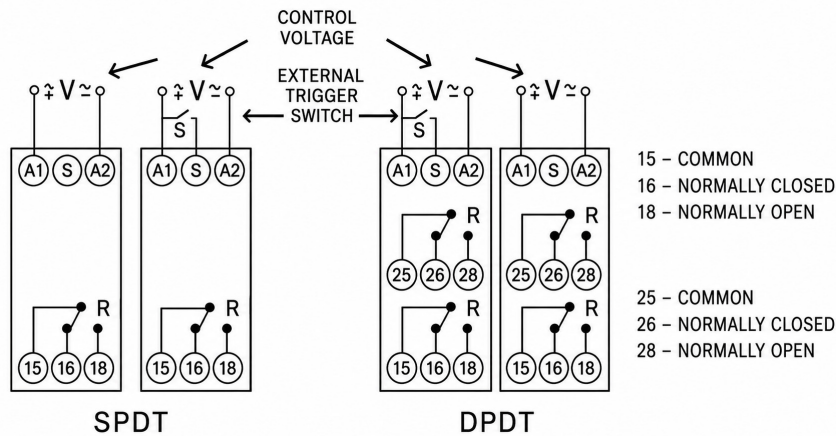
DPDT



SPDT



WIRING DIAGRAMS



ORDERING INFORMATION

TE5 17.5MM Time Delay Relay

Family		Function	Output Configuration	Monitored Voltage	Time Ranges	
TE5	17.5MM Time Delay	SINGLE TIME	2 DPDT	U 24-240V AC 12-240V DC	-04	0.05 - 5 seconds
		02 On Delay	6 SPDT		-30	0.1 - 10 seconds
		05 Interval On			-07	0.3 - 30 seconds
		08 Flasher (OFF 1st)			-08	0.6 - 60 seconds
		09 Flasher (ON 1st)			-31	1 - 100 seconds
		12 On Delay (Triggered)			-09	1.2 - 120 seconds
		13 Watchdog (Triggered)			-10	1.8 - 180 seconds
		15 Single Shot (Triggered)			-12	3 - 300 seconds
		16 Off Delay (Triggered)			-36	10 - 1,000 seconds
		22 Single Shot Falling Edge (Triggered)			-32	0.1 - 10 minutes
		29 Memory Latch (Triggered)			-15	0.3 - 30 minutes
		DUAL TIME			-16	0.6 - 60 minutes
		31 Repeat Cycle (OFF 1st)			-33	1-100 minutes
		41 On Delay/Off Delay (Triggered)			-37	10 - 1,000 minutes
		51 Repeat Cycle (ON 1st)			-17	1.2 - 120 minutes
		61 Delayed Interval			-34	0.1 - 10 hours
		65 Delayed Interval (Triggered)			-35	1 - 100 hours
					-F	Fixed Time Range (i.e., F5S for Fixed 5 seconds)

