



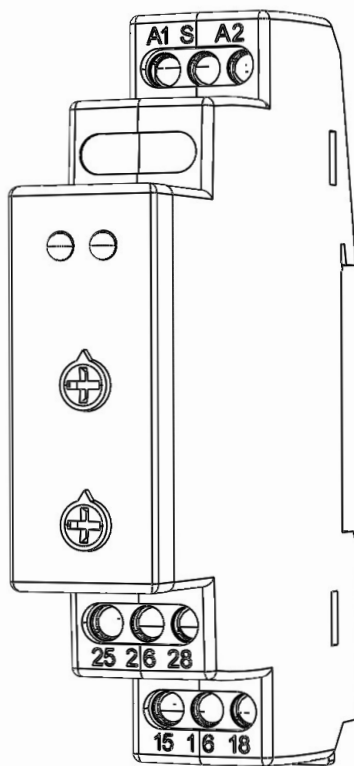
TIME DELAY RELAYS

17.5MM DIN-RAIL MOUNTED

DATA SHEET

Timing Delay Relays - TE5 Series

17.5mm Din-Rail Mounted



PRODUCT INTRODUCTION

Time Delay Relays - TE5 Series 17.5mm Din-Rail Mounted

The TE5 Series provides precise time-based control in a compact package that maximizes valuable space. Each product has a single dedicated function and time range so there is no complicated setup required before use. Time delays from 0.05 seconds up to 100 hours can be accomplished across 17 user-adjustable time ranges, or factory fixed times (non-adjustable) are also available. Select from 15 unique timing functions to meet your specific control and automation needs.

Key Features

- Single function & time range for easy setup & operation
- Slim 17.5mm design for compact DIN-Rail mounting
- Universal Control Voltage: 24V-240VAC & 12-240VDC
- UL Listed for U.S. 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

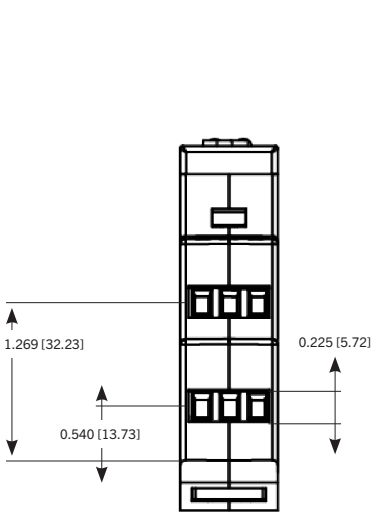
Voltage Tolerance:		
	Control Voltage	24-240 VAC 12-240 VDC AC Operation+10/-15% of nominal at 50/60 Hz DC Operation-10/15% of nominal
Load (Burden):		
	Maximum	4 VA
Setting Accuracy:		
	Maximum Setting (Adjustable)	+5% - 0%
	Minimum Setting (Adjustable)	+0% - 50%
	Fixed Time Delay	±2% or 50ms, whichever is greater
Repeat Accuracy:		
	Constant Voltage and Temperature	±0.1% or ±.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 is 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 @ 250VAC / 8A @ 30VDC SPDT/DPDT
Life:		
	Mechanical	10,000,000 operations
	Full Load	100,000 operations
Mounting:		
		35mm DIN Rail required
Wiring:		
	Wire Size	12-22AWG
	Wiring Terminals	Flat blade (slotted) screw, 1/8" (3mm) screw driver recommended.
	Terminal Torque	4 in-lbs
Approvals:		
	UL Listed (cULus)	File # E23146; UL60947-4-1

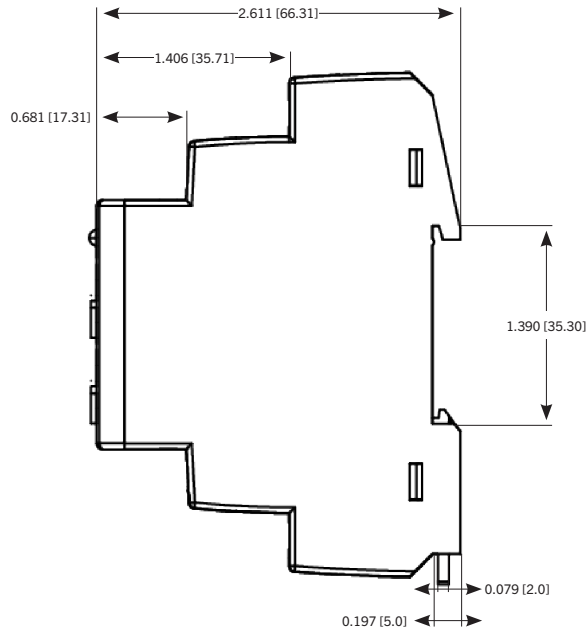
DIMENSIONAL DRAWINGS

DPDT

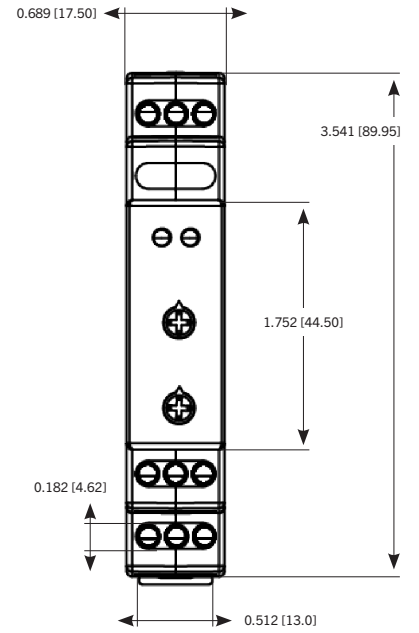
Front View



Side View

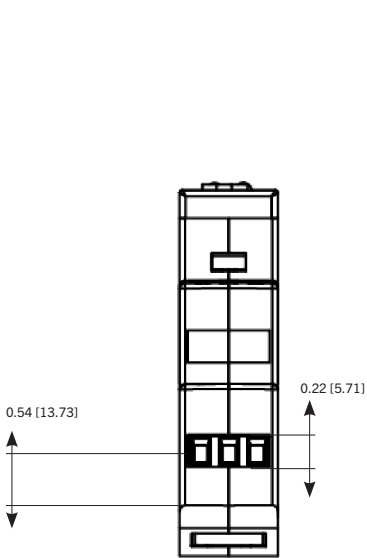


Back View

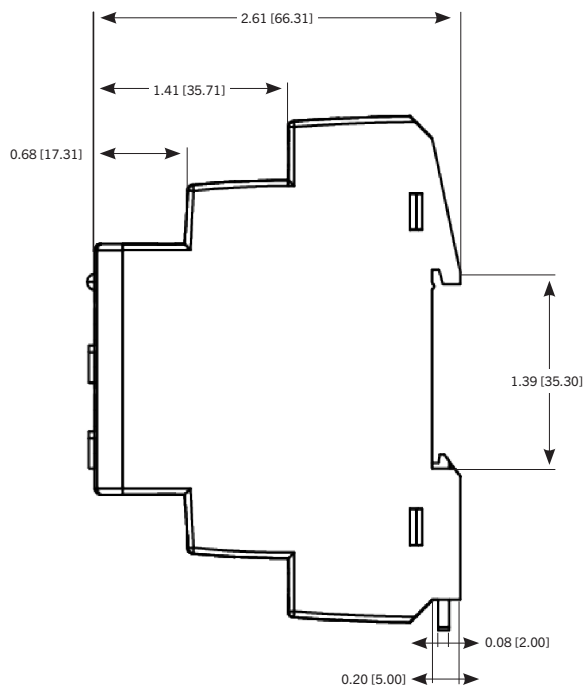


SPDT

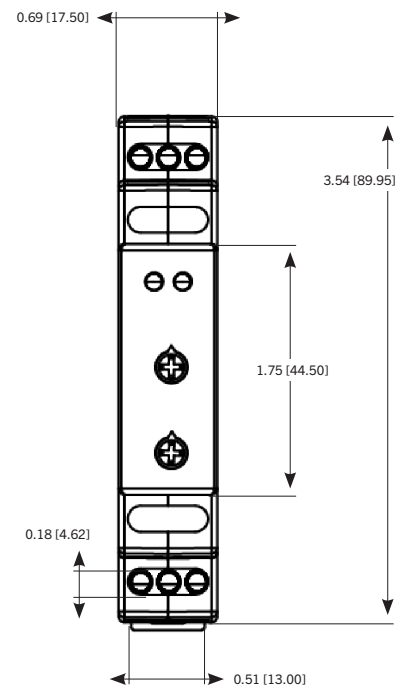
Front View



Side View



Back View



ORDERING INFORMATION

TE5 17.5 MM Time Delay Relay

Family		Function		Output Configuration		Control Voltage		Time Ranges	
TE5	17.5 MM 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)

