



# Timer Switches

Our compact DIN rail timer switches deliver precise, reliable timing in a space-saving, easy-to-integrate design. Engineered for low power consumption and long-lasting durability, they're the perfect fit for a wide range of demanding industrial applications.

## ON-Delay | Analog

To activate a circuit after a set amount of time.

**Applications:** HVAC systems, motor start relays, pump controllers, traffic signal controllers, emergency generators



Part Number	TS01	TS02	TS03
Supply Voltage	12V	240V AC   24V AC/DC	110V AC   24V AC/DC
Timing Range	0.3s to 30h		
Relay Output	1 C/O		

## OFF-Delay | Analog

To keep a device active for a set amount of time after an off signal.

**Applications:** industrial machinery, lighting control, HVAC systems, conveyor systems, safety systems



Part Number	TS04
Supply Voltage	240V AC   24V AC/DC
Timing Range	0.3s to 30h
Relay Output	1 C/O

## Star Delta | Analog

To control the starting of large, three-phase motors.

**Applications:** industrial machinery, HVAC systems, power plants, marine applications



Part Number	TS05	TS06
Supply Voltage	110V AC	240V AC
Timing Range	0.3s to 120s	
Relay Output	Star - 1 'NO', Delta - 1 'NO'	

## Asymmetric | Analog

To control on and off periods with independently adjustable directions.

**Applications:** pump control, lighting control, automated blinds, machine maintenance, building ventilation



Part Number	TS08
Supply Voltage	12 - 240V AC/DC
Timing Range	0.1s - 100h
Relay Output	1 C/O

## Multi-Function | Analog & Digital

To combine multiple timer functions in a single unit. Digital models offer higher precision and durability, and LCD display with button interface.

**Applications:** industrial automation, HVAC systems, lighting control, pump control



Part Number	TS07   Analog	TS09   Analog	TS7954   Digital	TS7957   Digital	TS7958   Digital
Supply Voltage	12 - 240V AC   24V AC/DC		24 - 240V AC/DC		
Timing Range	0.1s - 100h		0.1s - 999h		
Relay Output	1 C/O	2 C/O	1x C/O (Form C)		2x NO (Form A)
Functions	<ol style="list-style-type: none"> <li>Signal ON Delay</li> <li>Cyclic ON/OFF</li> <li>Cyclic OFF/ON</li> <li>Signal OFF/ON</li> <li>Impulse ON/OFF</li> <li>Accumulative Delay on Signal</li> <li>Impulse ON/OFF</li> <li>Leading Edge Impulse</li> <li>Trailing Edge Impulse</li> <li>Leading Edge Bi-State</li> <li>ON Delay, Interval</li> </ol>		<ol style="list-style-type: none"> <li>ON Delay</li> <li>Cyclic OFF/ON</li> <li>Cyclic ON/OFF</li> <li>Signal ON/OFF</li> <li>Signal OFF Delay</li> <li>Interval</li> <li>Signal OFF/ON</li> <li>One shot output</li> </ol>		<ol style="list-style-type: none"> <li>ON Delay</li> <li>Cyclic OFF/ON</li> <li>Cyclic ON/OFF</li> <li>Impulse on Energizing</li> <li>Accumulative Delay on Signal</li> <li>Accumulative Delay on Inverted Signal</li> <li>Accumulative Impulse on Signal</li> <li>Signal ON Delay</li> <li>Inverted Signal ON Delay</li> <li>Signal OFF Delay</li> <li>Impulse ON/OFF</li> <li>Signal OFF/ON</li> <li>Leading Edge Impulse 1</li> <li>Leading Edge Impulse 2</li> <li>Trailing Edge Impulse 1</li> <li>Trailing Edge Impulse 2</li> <li>Delayed Impulse</li> <li>Inverted Signal ON Delay</li> </ol>

## Voltage Monitor Relays

Our compact DIN rail voltage monitor relays provide intelligent, reliable monitoring and efficient protection against voltage irregularities. They protect against over-voltage, under-voltage, phase asymmetry, phase loss, incorrect phase sequence, and three phase interruptions.

**Applications:** motor protection, power distribution, critical equipment, generator protection, HVAC systems, renewable energy, building automation



Part Number	VMR01	VMR02	VMR03
Supply Voltage	208 - 480 VAC, (3 Phase 3 Wire)		
ON Delay	5s	< 750ms	5s
OFF Delay	0.5 - 100s	100ms	0.5 - 15s
Relay Output	1x C/O (Form C)		

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