

PERCENTAGE TIMER

PTA SERIES | WITH MEMORY



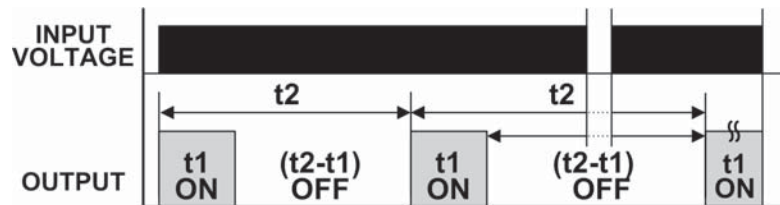
- ◆ Industry-standard panel cutout and mounting pattern
- ◆ Retains timing sequence in the event of power loss
- ◆ Onboard potentiometer for easy time delay adjustment
- ◆ LED indicates relay status
- ◆ 10A SPNO output
- ◆ Terminal block makes wiring easier from top or bottom
- ◆ Secure termination with bare wire or crimp terminals
- ◆ Touch-safe terminal cover available - Macromatic P/N 70600
- ◆ Mounting hardware included



The PTA Series is a microprocessor-based Percentage Timer that delivers reliable and accurate timing for critical applications where the ON time (t_1), as a percentage of the total cycle time, must be adjustable. The fixed overall length (t_2) of the repeating ON/OFF cycle is selected as the time range with multiple ranges offered in seconds, minutes, and hours. Typical applications include controls for irrigation, chemical feeding, electric heating & cooling, motors and lubrication systems.

FUNCTION: PERCENTAGE

Upon initial application of input voltage, the output is energized and time delay (t_1) begins. Time Delay (t_1) is adjustable as a percentage of the overall cycle time (t_2). At the end of time delay (t_1), the output is de-energized for the remainder of overall cycle (t_2-t_1). The sequence then repeats until input voltage is removed. If input voltage is removed and reapplied, the timing cycle will continue from where it left off when the input voltage was removed. A setting of 100% energizes the output continuously while a setting of 0% de-energizes the output continuously.



INPUT VOLTAGE (50/60HZ)	TIME RANGE (t_2)	PRODUCT NUMBER	WIRING
120V AC	15 Seconds 30 Seconds 1 Minute 2 Minutes 15 Minutes 30 Minutes 1 Hour	PTA2015S PTA2030S PTA2001M PTA2002M PTA2015M PTA2030M PTA2001H	
240V AC	15 Seconds 30 Seconds 1 Minute 2 Minutes 15 Minutes 30 Minutes 1 Hour	PTA1015S PTA1030S PTA1001M PTA1002M PTA1015M PTA1030M PTA1001H	<p>DIAGRAM 209</p>

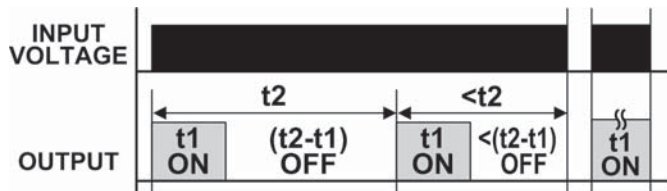
PERCENTAGE TIMER

PTA SERIES | NO MEMORY

The PTA Series without memory is a microprocessor-based Percentage Timer that delivers reliable and accurate timing for critical applications where the ON time (t_1), as a percentage of the total cycle time, must be adjustable. The fixed overall length (t_2) of the repeating ON/OFF cycle is selected as the time range with multiple ranges offered in seconds, minutes, and hours. Typical applications include controls for irrigation, chemical feeding, electric heating & cooling, motors and lubrication systems.

FUNCTION: PERCENTAGE (NO MEMORY)

Upon initial application of input voltage, the output is energized and time delay (t_1) begins. Time Delay (t_1) is adjustable as a percentage of the overall cycle time (t_2). At the end of time delay (t_1), the output is de-energized for the remainder of overall cycle (t_2-t_1). The sequence then repeats until input voltage is removed. If input voltage is removed and reapplied, the timing cycle will be reset. A setting of 100% energizes the output continuously while a setting of 0% de-energizes the output continuously.



- ◆ Industry-standard panel cutout and mounting pattern
- ◆ No memory
- ◆ Onboard potentiometer for easy time delay adjustment
- ◆ LED indicates relay status
- ◆ 10A SPNO output
- ◆ Terminal block makes wiring easier from top or bottom
- ◆ Secure termination with bare wire or crimp terminals
- ◆ Touch-safe terminal cover available - Macromatic P/N 70600
- ◆ Mounting hardware included

INPUT VOLTAGE (50/60HZ)	TIME RANGE (t_2)	PRODUCT NUMBER	WIRING
120V AC	15 Seconds 30 Seconds 1 Minute 2 Minutes 15 Minutes 30 Minutes 1 Hour	PTA2015SB PTA2030SB PTA2001MB PTA2002MB PTA2015MB PTA2030MB PTA2001HB	
240V AC	15 Seconds 30 Seconds 1 Minute 2 Minutes 15 Minutes 30 Minutes 1 Hour	PTA1015SB PTA1030SB PTA1001MB PTA1002MB PTA1015MB PTA1030MB PTA1001HB	<p>DIAGRAM 209</p>



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