



Solid State Timers and Controllers

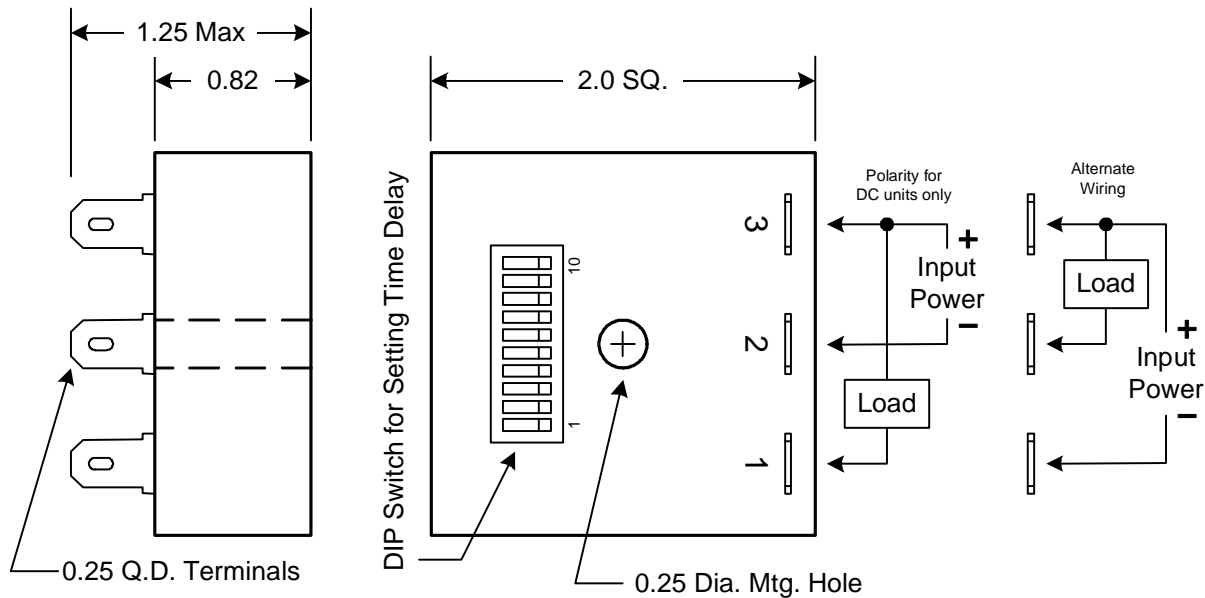
4300SA

Switch Adjustable Interval Timing Module

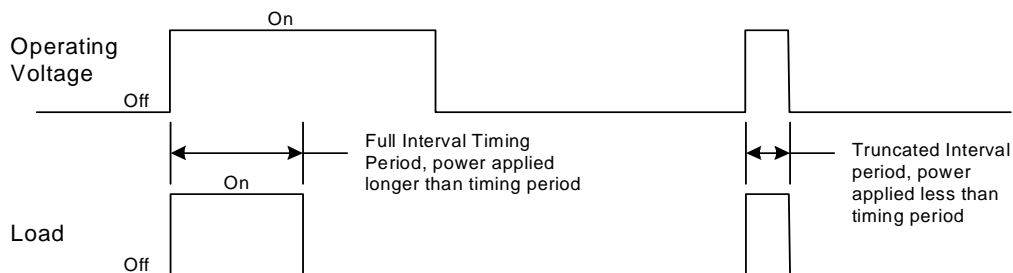


The model 4300SA series provides a load circuit with operating voltage for a predetermined amount of time each time the operating voltage is applied. The operating voltage must be present for the duration that exceeds the preset interval timing period. The 4300SA series is available in both AC and DC models and controls output load circuits to 1 ampere. The timing period is adjustable using the internal DIP switch, three timing ranges are available: 1 - 1024 seconds, 0.1 - 102.4 seconds, and 2 - 2048 seconds.

Mechanical & Wiring



Timing Diagram



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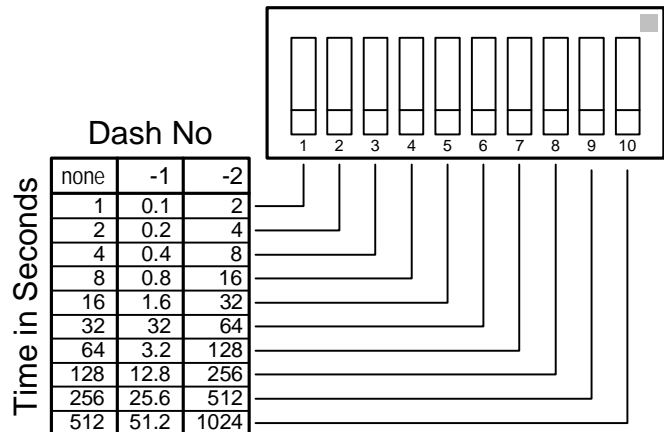
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Artisan Controls Corporation, 111 Canfield Ave., Bldg B15-18, Randolph, NJ, 07869, USA



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Setting the DIP Switches

The DIP switches are used to set the time delay period. The timer has an internal delay equal to the value of the first switch (1, 0.1, or 2 seconds), activating the DIP switches add their corresponding value to that internal delay. The diagram to the right shows the switch values for each time range. For instance, setting a 4300SA-8 timer for 60 seconds would require opening the switches for 59 seconds. That would be switches 6, 5, 4, 2, and 1. That adds 32, 16, 8, 2, and 1 second to the internal 1 seconds for a total of 60 seconds.



Specifications

- Operating Voltage:** 12V DC, 24V DC, 48V DC, 12V AC, 24V AC, 48V AC, 115V AC, 230V AC.
- Voltage Tolerance:** ±20%, AC 50/60Hz.
- Operating Current:** All voltages < 20 mA plus load current requirements.
- Timing Mode:** Interval.
- Timing Tolerance:** ±10% of set time
- Timing Variation:** ±15% of set point over specified temperature and voltage range.
- Repeatability Of Timing Period:** ±1% nominal.
- Recycle Time:** Operating voltage must be removed for a minimum of 200 milliseconds to guarantee all timing and output circuits have reset.
- Output Rating:** Rated for 10mA to 1A inductive with inrush current to 25 A for 8 mS.
- Output Voltage Drop in "ON" State:** 2V for DC models, 4V maximum for AC models.
- Leakage Current in "OFF" State:** 1 mA maximum for DC models, 3 mA maximum for AC models.
- Transient Protection:** Protected by silicon transient suppressors which respond to transients within 1 x 10⁻¹² seconds to a peak pulse power dissipation of 1500 watts.
- Dielectric:** 1500V rms all terminals to case.
- Operating Temperature:** -20°C to +85°C.
- Humidity:** 95% non-condensing.
- Construction:** Encapsulated module with .25 quick connect wiring terminals.
- Data Sheet © and Revision Date:** April 7, 2010

Ordering Information

Part Number - Operating Voltage - Timing Range		
4300SA	-2 (12VDC)	None 1 - 1024
	-3 (24VDC)	
	-4 (48VDC)	
	-6 (24VAC)	-1 0.1 - 102.4
	-7 (48VAC)	
	-8 (120VAC)	
	-9 (230VAC)	
		-2 2 - 2048
	All times in seconds	

Examples:

4300SA-8 Operates from 120V AC with a timing range of 1 - 1024 seconds.

4300SA-3-1 Operates from 24V DC with a timing range 0.1 - 102.4 seconds

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