

Artisan 2410SA-2

Artisan Controls 2410SA-2

ON DELAY TIMER USER MANUAL

Model: **2410SA-2** | Brand: **Artisan**

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Artisan Controls 2410SA-2 On Delay Timer. This device is designed for industrial applications requiring precise time-delayed switching.

Please read this manual thoroughly before installing or operating the device to ensure safe and efficient performance.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the device:

- Disconnect all power to the circuit before installation, wiring, or maintenance.
- Installation and servicing should only be performed by qualified personnel.
- Ensure that the supply voltage and current ratings match the specifications of the 2410SA-2 timer.
- Do not expose the device to moisture, extreme temperatures, or corrosive environments.
- Verify all connections are secure and correct before applying power.

3. Product Overview

The Artisan Controls 2410SA-2 is an 8-pin octal base, DPDT (Double Pole Double Throw) on-delay timer. It features a wide time range from 0.1 seconds to 1024 hours, making it suitable for various industrial timing applications. The timer operates with a 12VDC control voltage and has contacts rated for 12A at 125VAC.



Figure 3.1: Front view of the Artisan Controls 2410SA-2 On Delay Timer, showing the label with model information and the DIP switch array for time setting on top.

Key features include:

- On-Delay Timing Function
- Wide Time Range: 0.1 seconds to 1024 hours
- DPDT (Double Pole Double Throw) Output Contacts
- 12VDC Control Voltage
- 12A @ 125VAC Contact Rating
- 8-Pin Octal Base for easy installation

4. Setup and Installation

The 2410SA-2 timer is designed for DIN Rail mounting or panel mounting using an appropriate 8-pin octal socket (not included).

4.1 Mounting

1. Select a suitable location that is free from excessive vibration, moisture, and extreme temperatures.
2. Securely mount an 8-pin octal socket to a DIN rail or panel.
3. Carefully insert the 2410SA-2 timer into the octal socket, ensuring all pins align correctly.

4.2 Wiring

Refer to the wiring diagram provided on the timer's label or in the product datasheet for specific pin assignments. Ensure all connections are made with appropriate wire gauges for the rated current.

- Connect the 12VDC control voltage to the designated input terminals.
- Connect the load to the DPDT output contacts. Ensure the load's voltage and current do not exceed the timer's contact ratings (12A @ 125VAC).
- Double-check all wiring for correctness and security before applying power.

5. Operating Instructions

The 2410SA-2 operates as an "On Delay" timer. When the control voltage is applied, the timing period begins. After the set delay time has elapsed, the output contacts will change state (energize). The contacts will remain in this state as long as the control voltage is maintained. When the control voltage is removed, the timer resets, and the contacts return to their original state.

5.1 Setting the Delay Time

The delay time is set using the DIP switches located on the top of the timer. Consult the product's specific datasheet or the label on the unit for the exact correlation between DIP switch settings and the corresponding time delay. The timer offers a wide range from 0.1 seconds to 1024 hours.

- Use a small, non-conductive tool to adjust the DIP switches.
- Refer to the provided time setting chart (usually on the device label or datasheet) to achieve the desired delay.
- Ensure power is disconnected before adjusting DIP switches if the timer is in operation.

6. Maintenance

The Artisan Controls 2410SA-2 timer is designed for long-term, reliable operation and requires minimal maintenance.

- Periodically inspect the timer and its connections for any signs of damage, loose wiring, or overheating.
- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use solvents or abrasive cleaners.
- Ensure the operating environment remains within the specified temperature and humidity ranges.

7. Troubleshooting

If the timer does not function as expected, perform the following basic checks:

- **No Power:** Verify that the correct control voltage (12VDC) is applied to the designated terminals. Check fuses or circuit breakers in the power supply circuit.
- **Incorrect Timing:** Re-check the DIP switch settings against the time setting chart. Ensure the timer is fully seated in its socket.
- **Output Not Switching:** Confirm that the load is correctly wired to the DPDT contacts. Check the load itself for faults. Verify the control voltage is stable and continuously applied for the duration of the delay.
- **Intermittent Operation:** Inspect all wiring connections for looseness or corrosion. Ensure the operating environment is stable and free from electrical noise.

If problems persist after performing these checks, contact Artisan Controls technical support.

8. Specifications

Parameter	Value
Model Number	2410SA-2
Brand	Artisan
Operation Mode	On Delay
Time Range	0.1 seconds - 1024 hours

Control Voltage	12VDC
Output Contacts	DPDT (Double Pole Double Throw)
Contact Rating	12A @ 125VAC
Connector Type	Through Hole (8-Pin Octal Base)
Mounting Type	DIN Rail Mount

9. Warranty and Support

For warranty information and technical support, please refer to the official Artisan Controls website or contact their customer service department directly. Keep your purchase receipt for warranty claims.

Contact information can typically be found on the manufacturer's website or product packaging.