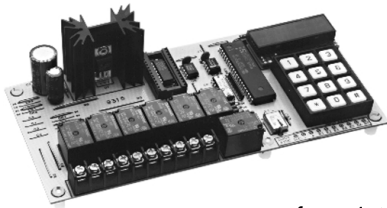




Solid State Timers and Controllers

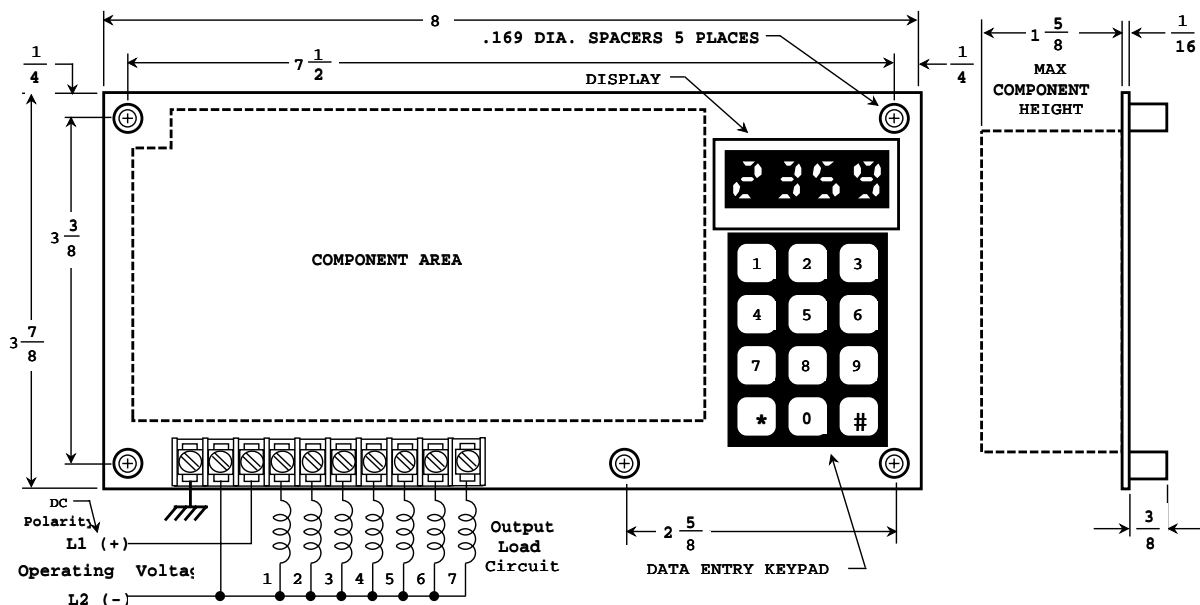
4957

Daily Event Controller



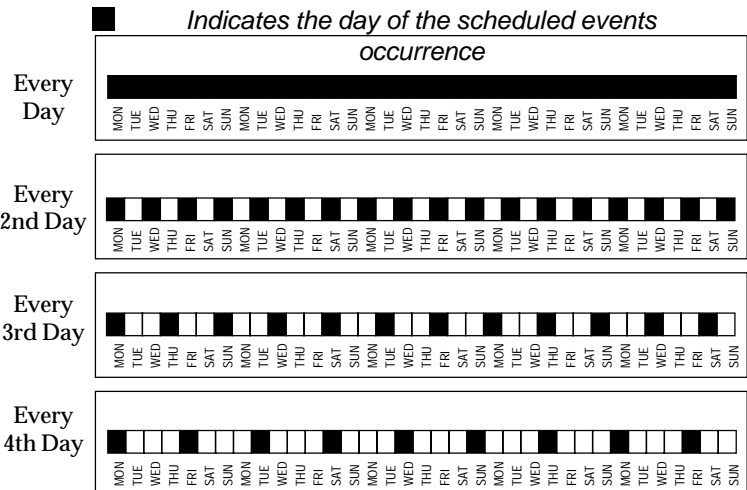
The Model 4957 is a programmable event controller which can schedule the operation of up to seven remote contactors or solenoids for preset intervals of time based on a 24, 48, 72, or 96 hour format. This feature permits a scheduled event to occur every day, every other day, every third day, or every fourth day. Each output can be scheduled to turn ON for a preset interval of time from 1 to 999 seconds, or 1 to 999 minutes, up to 8 times per day. The starting day of the schedule is also programmable. The feature of the 4957 which makes it adaptable to the timed control of external events is the ability to keep the correct time of day even during an extended power failure. The 4957 does not require any batteries to maintain this timing feature.

Mechanical & Wiring



Skip Day Programming Feature

The Skip Day feature of the model 4957 permits any daily programmed schedule to occur every day, or skip 1, 2, or 3 days between events. The chart depicts the occurrence of programmed events for the three possible skip day selections. When selecting any one of the three skip days: 1, 2, or 3, the starting day may also be scheduled. This permits the program to become active on a day other than the day of the programming. As an example, programming the schedules could be done on a Monday and set to begin an every 2nd day pattern starting with Thursday. The schedule would be followed in accordance with the number of skip days scheduled.



VISIT OUR WEB SITE AT: WWW.ARTISANCONTROLS.COM

Notice: Artisan Controls Corporation assumes no responsibility for customers applications or product design.

Tel: 973-428-1770 • Fax: 973-428-1426 • Toll Free: 800-457-4950
Artisan Controls Corporation, 5 Eastmans Road, Suite 100, Parsippany, New Jersey 07054, USA



Solid State Timers and Controllers

Specifications

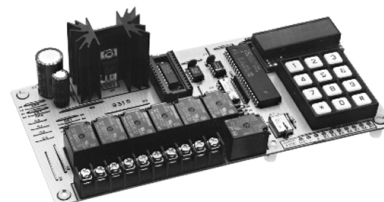
- Operating Voltage:** 12V DC (10V - 15V) @ 350mA, 24V AC (20V - 30V).
- Timing Mode:** Repeat Cycle Daily - with Skip Day option - 56 programmable events.
- Timing Accuracy:** Time-Of-Day to ± 2 minutes per month.
- Programmable Outputs:** Seven (7) SPST contacts switching one side of the operating voltage to remote load circuits such as, solenoids, contactors, motors, or lamps during ON period.
- Programmable Events:** Eight (8) events per output for a total of fifty-six (56) - 8 events for 7 outputs. The scheduled turn ON time for any output is considered as one (1) event.
- Event Duration:** An event scheduled, based on the time of the day, can then be scheduled to be ON for 1 - 999 seconds, or 1 - 999 minutes as determined by the model ordered.
- Timing Tolerance:** $\pm 0.05\%$ nominal, $\pm 0.1\%$ worst case based on the ON scheduled time.
- Skip Day Feature:** The programmed schedule can be selected to repeat every day, every other day, every third day, or every fourth day.
- Starting Day Of Schedule:** The starting day of the programmed schedule can be programmed to be any number from the day the schedule is programmed (1) to seven days later (7). Once the scheduled day arrives, the program will automatically repeat as programmed including any skip day selection.
- Output Rating:** UL/CSA rated for 10A 125V, 6A 277 V AC 1/8 HP 125V 277V AC 5A 30V DC. 750Vrms breakdown voltage between open contacts, 1500Vrms breakdown voltage between all contacts and operating voltage terminals. Insulation resistance 1000M Ω at 500V DC. Mechanical Life Expectancy: 10^7 operations, Electrical Life Expectancy: 10^5 operations at 10A 125V AC, 6A 277V AC.
- Maximum Total Output:** The sum total of the current being drawn by all of the outputs that are programmed ON at the same time must not exceed 15 amperes.
- Display:** 4 digit 7 segment LED 0.3 inch high characters.
- Time-Of-Day Clock:** Displayed and set in 24 hour format. 6:00PM = 18:00, 11:00PM = 23:00 etc.. Time-Of-Day is maintained in a smart timepiece circuit that will keep the time running for up to 10 years **without the need for batteries**.
- Program Memory:** EEPROM type maintains the programmed schedules for up to 10 years without battery backup.
- Keypad Commands:** Enter time of day - Enter day of week - Enter event schedule and timing data - Scroll daily programmed events - Clear all memory.
- Transient Protection:** Protected by silicon transient suppressors which respond to transients within 1×10^{-12} seconds to a peak pulse power dissipation of 1500 watts, with transient surge currents to 200 amperes for durations up to 1/120 second at 25° C. Maximum transient voltage protection is 6000 volts as delivered through a source resistance of 30 ohms with a maximum duration of 8.3 milliseconds.
- Operating Temperature:** 0°C to +70°C.
- Construction:** Open printed circuit (PC) board. PC material CEM-1 (PC-75) 94V-0 UL File #E67203(M) category ZPMV2.
- Programming Handbook:** A comprehensive handbook is supplied with each model. The handbook provides all instructions, with examples, necessary to operate and program the model 4957.
- Data Sheet Revision Date:** January 23, 2002

Ordering Information

Model Number	Operating Voltage	Event Duration
4957	-12V DC	-1 (1 to 999 Sec)
	-24V AC	-2 (1 to 999 Min)

Example : 4957-24VAC-2 operates on 24VAC with events from 1 - 999 minutes

VISIT OUR WEB SITE AT: WWW.ARTISANCONTROLS.COM



See other Artisan Controls'
7 Day Programmable Timers
4950 - 4950B - 4950PM - 4951PM

Notice: Artisan Controls Corporation assumes no responsibility for customers applications or product design.

Tel: 973-428-1770 • Fax: 973-428-1426 • Toll Free: 800-457-4950
Artisan Controls Corporation, 5 Eastmans Road, Suite 100, Parsippany, New Jersey 07054, USA