



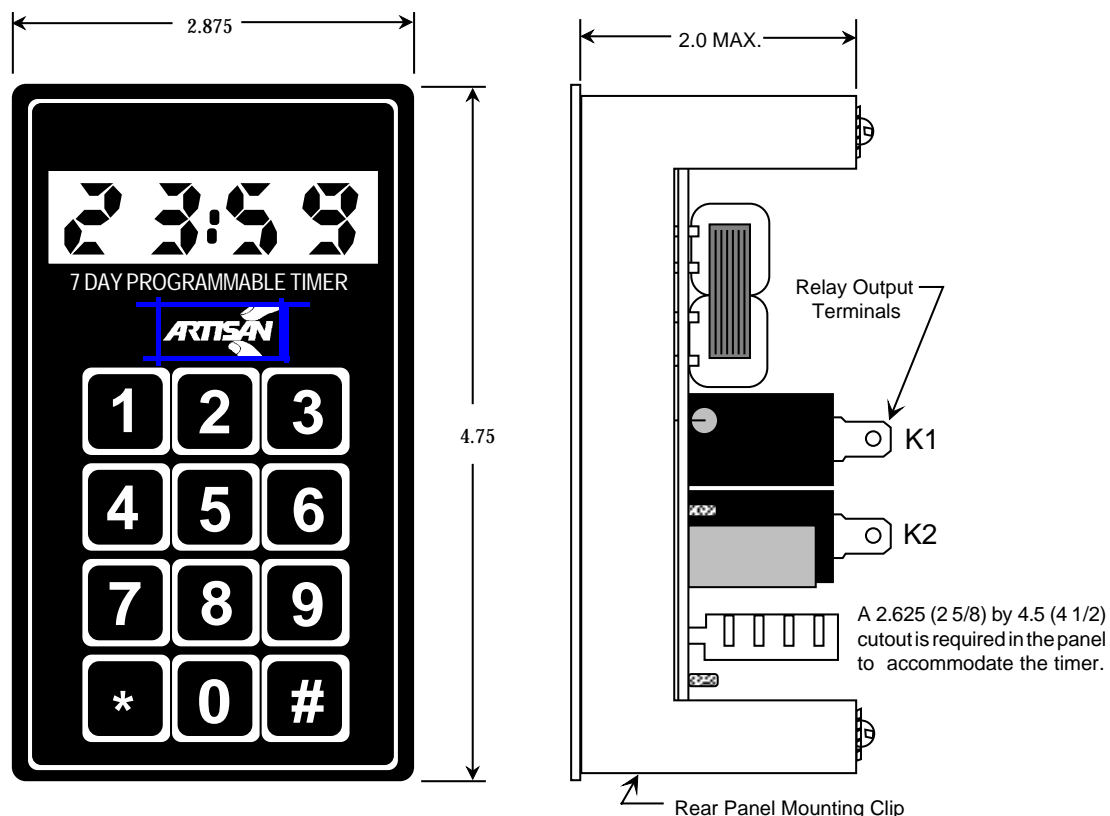
Solid State Timers and Controllers



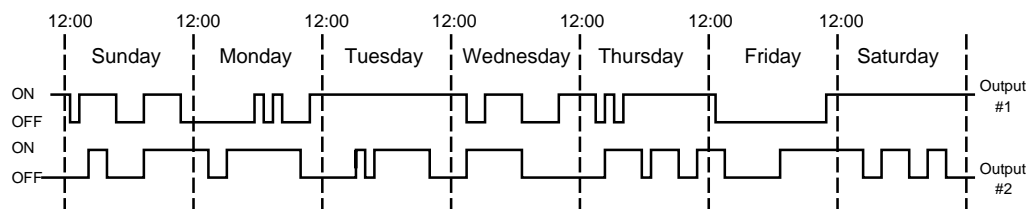
4950PM 7 Day- 24 Hour Programmable Timer

The 4950PM provides 7 day programming of two high power set of contacts that are programmable ON and OFF over a 24 hour period. All programming, verification, and operation is performed from the front panel using the 12 switches of the keypad. The 4950PM maintains accurate time of day even after power has been removed for up to 5 days. This assures that during a power failure, the time of day is maintained and upon restoration of power the timer will automatically come on at the correct time and not require resetting of the time-of-day clock.

Mechanical & Wiring



A typical weekly Programming Schedule



A typical timing chart of the 4950PM's weekly program schedule showing both outputs scheduled to turn ON and OFF throughout the week at preset times.



Solid State Timers and Controllers

Specifications

- Operating Voltage:** 12VDC $\pm 10\%$, 24VAC $\pm 10\%$ 50/60 Hz., 115V/230V AC $\pm 15\%$ 50/60 Hz. (The 115V/230V model is operating voltage switch selectable)
- Operating Power:** 7.2 watts maximum.
- Timing Mode:** 7 day - 24 hour programmable On - OFF.
- Timing Accuracy:** Time-Of-Day to ± 2 minutes per month.
- Programmable Outputs:** Two (2) SPST-NO contacts. Contacts Close at the scheduled event ON time, open at the scheduled event OFF time
- Programmable Events Per Output:** Eight (8) events per day. A schedule to turn one relay ON = 1 event, to turn it OFF = 1 event, with a maximum of 56 events per week. Two relays scheduled either ON or OFF at the same time is = 1 event.
- Timing Tolerance:** Based on the scheduled and displayed time-of-day.
- Repeatability Of Event Timing:** Based on the scheduled and displayed time-of-day.
- Output Rating:** UL/CSA rated for 1 HP, 20A 250V AC, 1.5 HP, 20A 125V AC. 1000V rms breakdown voltage between open contacts, 1500V rms breakdown voltage between all contacts and operating voltage terminals. Insulation resistance 1000M Ω at 500V DC. Mechanical Life Expectancy: 10⁶ operations, Electrical Life Expectancy: resistive load 10⁵ operations at 20A 250V AC, 1.5 x 10³ operations inductive load (cos ϕ = 0.7) steady 20A 250V AC inrush 80A.
- Digital Display:** Four (4) digit red LED, 0.5 inch high characters displays, time-of-day, day-of-week, and all event schedules.
- Time-Of-Day:** 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 5 days during a power failure. No batteries required, or embedded.
- Program Memory:** EEPROM type maintains the programmed schedules for up to 10 years without battery backup.
- Front Panel Switches:** Tactile type keypad, 0 - 9, *, and #.
- 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, 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.
- Mounting:** 2.62 X 4.50 cutout accepts timer. Timer secured with attached bracket and nut. (hardware is provided for mounting)
- Wiring:** .25 Quick Connects are provided for relay interface and operating voltage. DC model is non-polar.
- Programming Handbook:** A comprehensive handbook is supplied with each model. The handbook provides all instructions, with examples, necessary to operate and program the model 4950PM.
- Data Sheet Revision Date:** June 13, 1996

Ordering Information

Part Number	Operating Voltage
4950PM	115V/230V AC
4950PM - 12VDC	12V DC
4950PM - 24VAC	24V AC

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

