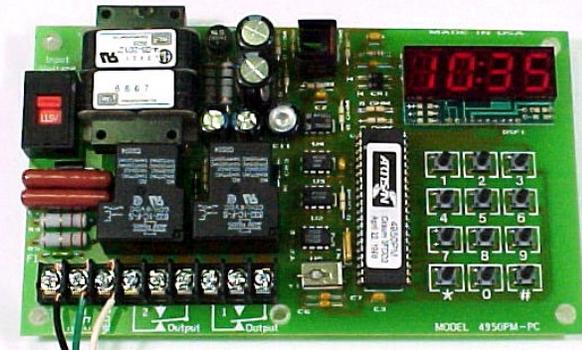




# Solid State Timers and Controllers

## 4950PC

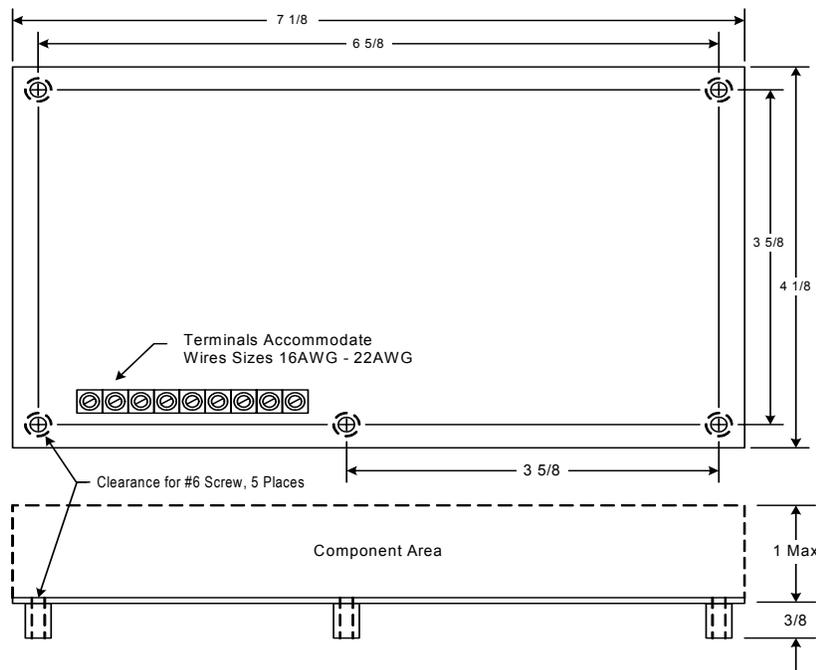
### 7 Day-24 Hour Programmable Timer



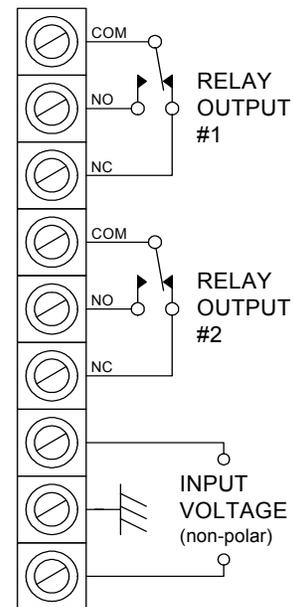
The model 4950PC is a re-designed version of the standard Artisan Controls Corporation's model 4950 intended for embedded applications. The 4950PC provides 7 day programming of two SPDT sets of contacts programmable for ON and OFF control over a 24 hour period. All programming, verification, and operation is performed from the front using the 12 keypad switches. The 4950PC provides a large .5 inch LED display and maintains accurate time of day even after power has been removed for up to 10 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. Schedule program is held in EEPROM non-volatile memory.

#### Mechanical

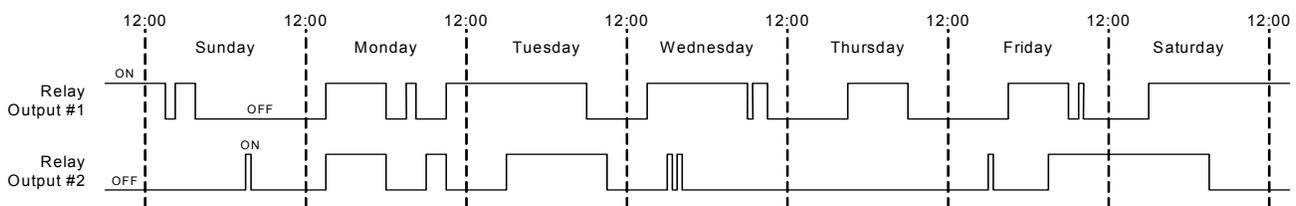


#### Wiring



**Note - 4950PC wiring is DIFFERENT from model 4950**

#### A Typical weekly Programming Schedule



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

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 Artisan Controls Corporation, 111 Canfield Ave, Bldg B15-18, Randolph, New Jersey 07869, USA



# 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. On-Board Fuse provided on AC models.
- Timing Mode:** 7 day - 24 hour programmable ON - OFF.
- Timing Accuracy:** Time-Of-Day to  $\pm 2$  minutes per month.
- Programmable Outputs:** Two (2) SPDT contacts. Contacts energize at the scheduled event ON time, De-energize at the scheduled event OFF time
- 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:** Rated for 20A resistive (NO), 10A resistive (NC) at 250V AC. 1000V rms breakdown voltage between open contacts, 1500V rms breakdown voltage between all contacts and operating voltage terminals. Insulation resistance 1000M at 500V DC. Mechanical Life Expectancy:  $10^6$  operations min., Electrical Life Expectancy: resistive load  $10^5$  operations at rated load. Contact factory for additional ratings.
- 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 10 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 switches, 0 - 9, \*, and #.
- Transient Protection:** Protected by silicon transient suppressors which respond to transients within  $1 \times 10^{-12}$  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:** Five (5) 3/8 mounting spacers can accommodate #6 mounting screws.
- Wiring:** 9 terminals accommodate wire sizes from 16 AWG - 22 AWG.
- Programming Handbook:** A comprehensive handbook is supplied with each model. The handbook provides all instructions, with examples, necessary to operate and program the model 4950PC.
- Data Sheet Revision Date:** March 27, 2009

## Ordering Information .....

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

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