



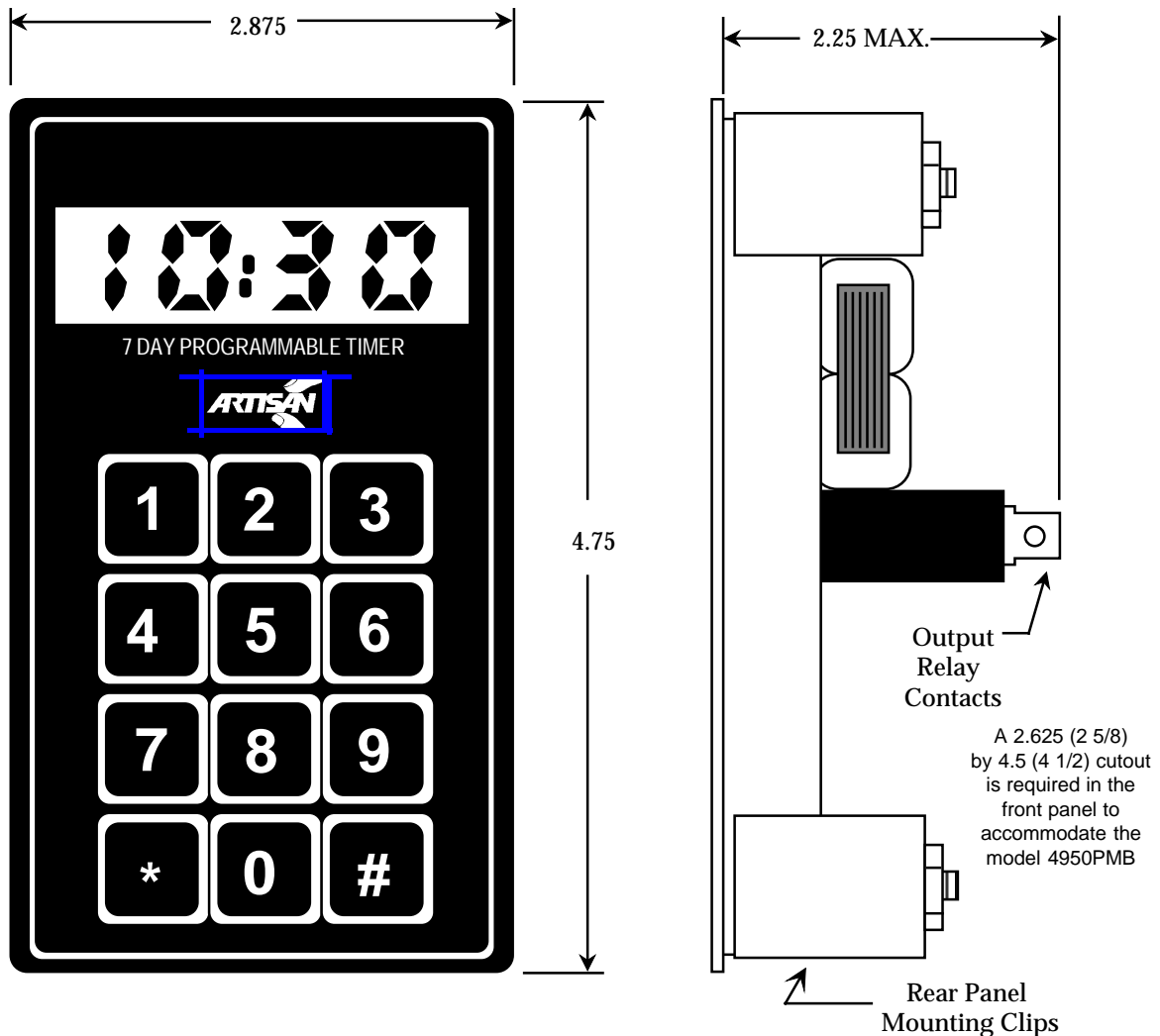
Solid State Timers and Controllers

4950PMB Daily- Programmable Panel Mount Bell Controller



The model 4950PMB is an ideal bell controller for use in factories and schools. The 4950PMB permits programming the exact time that the bell is to ring. In addition, the 4950PMB permits programming the interval of the ring from 1 to 99 seconds. The external bell system can be programmed to sound up to 99 times per day. Once a daily pattern has been programmed, it will repeat every day of the week until reprogrammed. A major feature of the 4950PMB is the smart timepiece circuit that continues keeping correct time and day, even when the power fails for up to a week. This feature assures that the 4950PMB will not have to be reprogrammed after every power failure. The 4950PMB does not require any batteries to assure this feature.

Mechanical & Wiring





Solid State Timers and Controllers

Specifications

- Operating Voltage:** 12V DC $\pm 10\%$, 24V AC $\pm 10\%$ 50/60 Hz., 115V AC $\pm 15\%$ 50/60 Hz., 230V AC $\pm 10\%$ 50/60 Hz.
- Operating Power:** 7.2 watts maximum.
- Timing Mode:** 24 Hour Programmable.
- Timing Accuracy:** Time-Of-Day to ± 2 minutes per month.
- Programmable Output:** One (1) set of SPST-NO contacts. Contacts Closes at the pre-programmed bell ringing event time, open at the end of programmed interval.
- Programmable Bell Events:** 99 programmable bell ringing events over a 24 hour period.
- Programmable Bell Interval:** 1 to 99 seconds - starts at programmed time of day
- 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, and all bell ringing event programmed 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 $^{\circ}$ 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 $^{\circ}$ C to +70 $^{\circ}$ 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. The operating voltage is connected to two wires which extend from rear of the timer.
- Programming Handbook:** A comprehensive handbook is supplied with each model. The handbook provides all instructions, with examples, necessary to operate and program the model 4950PMB.
- Data Sheet Revision Date:** October 10, 1996

Ordering Information

Part Number	Operating Voltage
4950PMB - 12	12V DC
4950PMB - 24	24V AC
4950PMB - 115	115V AC
4950PMB - 230	230V AC

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

