ARTISAN
Solid State Timers and Controllers
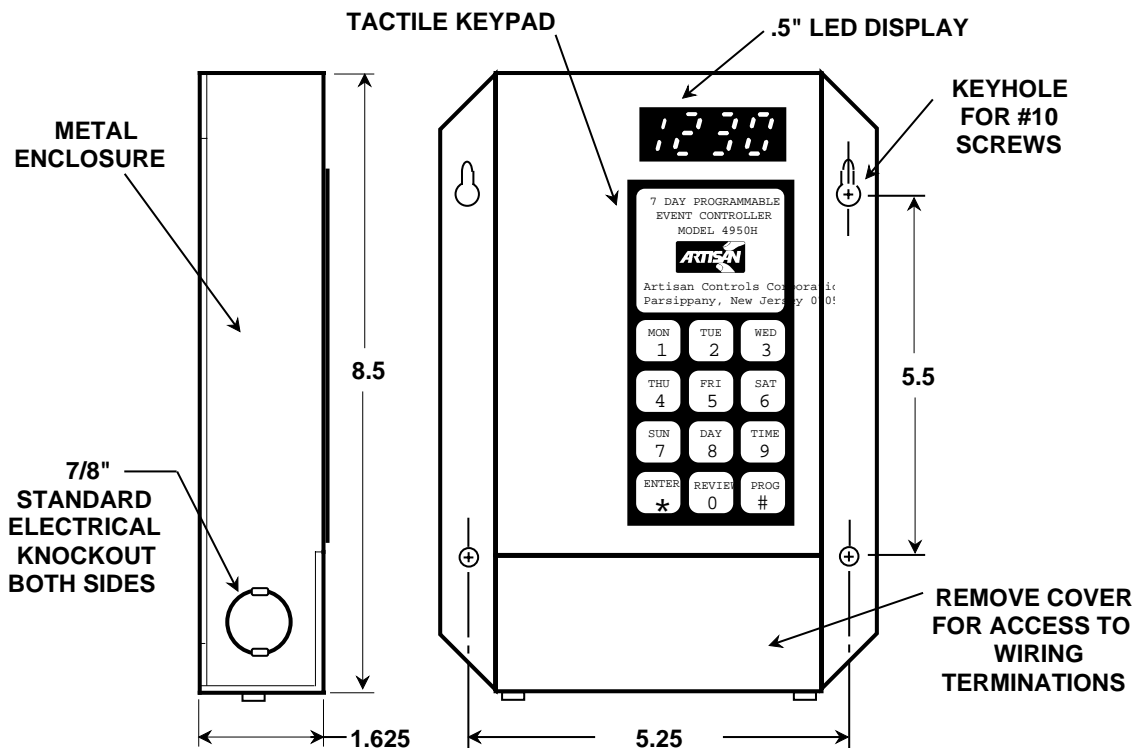
4950H
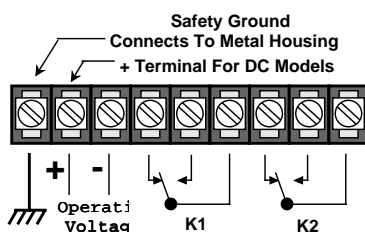### 7 Day- Programmable Event Controller

The Model 4950H is a programmable timer controlling the turn ON and OFF of two separate power relays, up to fifty-six times during a seven day period with a maximum of eight events per day. The relay contacts are heavy duty type and are rated for service up to 20 amperes. Up to eight events can be scheduled for any single day with a total of fifty-six events per week. New events can be programmed for each day of the week, or the same events be programmed to repeat daily. A major feature of the 4950H is the smart timepiece circuit that continues keeping correct time, even when the power fails for extended periods of time. This feature assures that the 4950H will not have to be reprogrammed, or have the time-of-day reset after every power failure. The 4950H does not require any batteries to assure this feature.

Mechanical . . . .

TACTILE KEYPAD

.5" LED DISPLAY

KEYHOLE FOR #10 SCREWS

METAL ENCLOSURE

7/8" STANDARD ELECTRICAL KNOCKOUT BOTH SIDES

8.5

1.625

5.25

5.5

REMOVE COVER FOR ACCESS TO WIRING TERMINATIONS

7 DAY PROGRAMMABLE
EVENT CONTROLLER
MODEL 4950H

ARTISAN

Artisan Controls Corporation
Parsippany, New Jersey 0705

MON 1	TUE 2	WED 3
THU 4	FRI 5	SAT 6
SUN 7	DAY 8	TIME 9
ENTER *	REVIEW 0	PROG #

Wiring . . . . Output Contact Rating Chart . . . .

**Safety Ground
Connects To Metal Housing
+ Terminal For DC Models**

+ - K1 K2

Operatin
Voltag

VOLTAGE	LOAD TYPE	NORMALLY OPEN	NORMALLY CLOSED
AC	INDUCTIVE	2 - 30 A @ 12 - 240V AC	2 - 15 A @ 12 - 240V AC
	RESISTIVE	2 - 30 A @ 12 - 240V AC	2 - 15 A @ 12 - 240V AC
	MOTOR	1 HP @ 120V AC	1/4 HP @ 120V AC
		2 HP @ 240V AC	1/2 HP @ 240V AC
	TUNGSTEN	TV - 5 @ 240V AC	TV - 3 @ 240V AC
	BALLAST	6 A @ 277V AC	3 A @ 277V AC
DC	RESISTIVE	1 - 20 A @ 5 - 28V DC	1 - 10 A @ 5 - 28V DC

V I S I T O U R W E B S I T E A T : WWW.ARTISANCONTROLS.COM

ARTISAN *Solid State Timers and Controllers*

Specifications . . . .

Operating Voltage:	12V DC (10V - 15V) @ 350mA, 12V AC (10V - 14V) 50/60 Hz. @ 350mA, 24V AC (20V - 28V) 50/60 Hz. @ 250mA, 115V AC (105V - 135V) 50/60 Hz. @ 50mA, 230V AC (208V - 240V) 50/60 Hz. @ 30mA.
Timing Mode:	7 day - 24 hour 56 programmable events, 8 maximum per day.
Timing Accuracy:	Time-Of-Day to ±2 minutes per month.
Programmable Outputs:	Two SPDT set of relay contacts.
Daily Programmable Events:	Eight (8) events per day.
Weekly Programmable Events:	Fifty-Six (56) events per week.
Events Control:	An event can be scheduled to turn the output relay ON or OFF based on time-of-day, and day-of-week.
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:	See *Output Rating Chart*.
Dielectric Strength:	1500 V RMS between all terminals to PC board and between all relay contacts and input voltage.
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 years **without the need for batteries**.
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 #.
Keypad Commands:	Enter time of day - Enter day of week - Enter event 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:	Metal enclosure with two (2) knockout holes to facilitate wiring. Wiring terminations are located behind a front cover plate.
Programming Handbook:	A comprehensive handbook is supplied with each model. The handbook provides all instructions, with examples, necessary to operate and program the model 4950H.
Data Sheet Revision Date:	November 30, 2000

Ordering Information . . . .

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

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

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