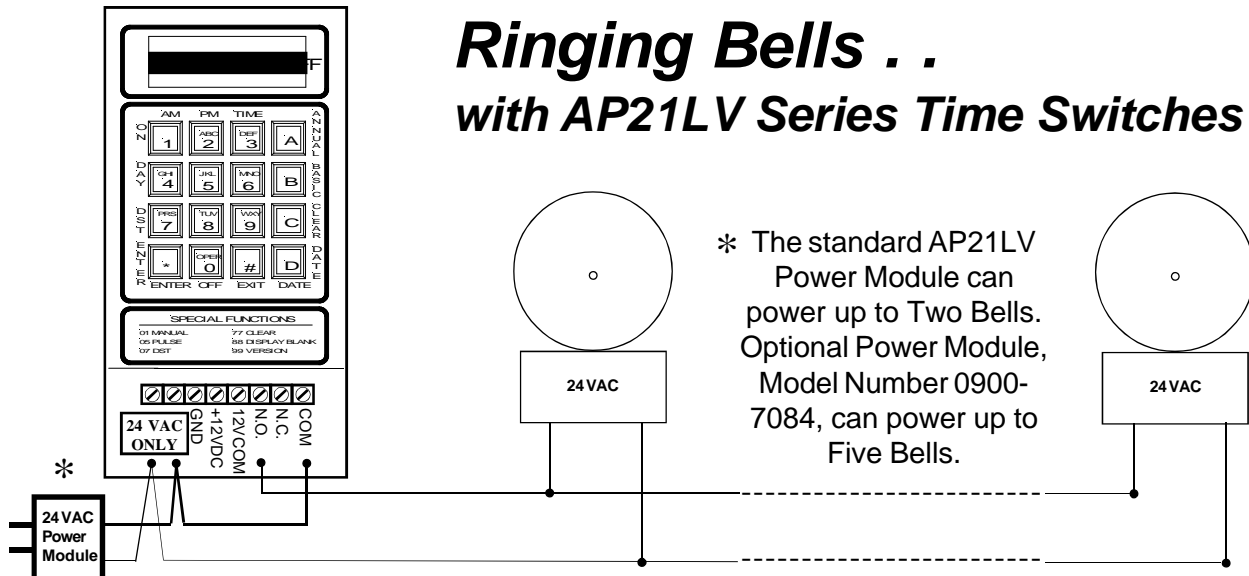


# APPLICATION NOTE ANAP-01A

## *Ringing Bells . . with AP21LV Series Time Switches*



The AP21LV Series Time Switches are ideal for ringing bells or sounding tones in schools, factories, and other facilities. The relay output provides dry contacts for switching up to 15 amp loads at up to 48 VAC. Refer to the AP21LV User's Manual before installation.

1) Wire the circuit as shown above. Wire size depends on the number of bells and their distance from the AP21LV.

**2) Set the Pulse (Bell Duration) for the desired length of time to ring. Typical is 3 to 6 seconds.**

3) Determine if your program will require 16 or 30 program steps and set the AP21LV, accordingly.

4) Enter your Bell Program. See the Sample Basic Program to the right.

**Model Numbers:**

**AP21LV** Time Switch with one SPDT Relay Output  
**0900-7084** Power Module, 24 VAC, 1.66 Amp 40 VA  
**F-4436-24** Six Inch Bell, 24 VAC

**Optional Bell Accessories:**

**F-3014** Weatherproof Box for 1/2" Conduit  
**1391-8410** Fitting, Cord Grip 1/2" NPT  
 For Cable Diameter .24 to .47

For transformers and larger systems, call our factory.

**SAMPLE BASIC PROGRAM**

STEP	DAYS	HH	MM	A/PM	ON/OFF
00	WDY	08	30	A	ON
01	WDY	09	15	A	ON
02	WDY	09	20	A	ON
03	WDY	10	10	A	ON
04	WDY	10	55	A	ON
05	WDY	11	00	A	ON
06	WDY	11	45	A	ON
07	WDY	11	50	A	ON
08	WDY	12	40	P	ON
09	WDY	12	45	P	ON
10	WDY	01	30	P	ON
11	WDY	01	35	P	ON
12	WDY	02	20	P	ON
13	WDY	02	25	P	ON
14	WDY	03	10	P	ON
15	WDY	03	15	P	ON
28	WDY	08	30	P	ON
29	WDY	09	33	P	ON

AP21 Program set for 16 Steps  
 AP21 Program set for 30 Steps

Pulse (Bell Duration) = 6 seconds.



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