

BELL PROGRAMMER SYSTEM



AP21-BP1 BELL PROGRAMMER SYSTEM

***PLUG and PLAY - NO WIRING REQUIRED - COVERS UP TO 5,000 SQUARE FEET
Single Schedule, Single Zone with up to 30 Bell rings per day.
Includes all the features of the AP21LV Time Switch.***

The AP21-BP1 Bell Programmer System provides an Easy to Install Plug and Play solution for ringing bells in small schools and factories.

The system consists of an AP21LV Time Switch mounted in a keylocked box (7"W x 12"H x 4"D), pre-wired to a Six-Inch Bell and a 120 VAC to 24 VAC power module.

A 15 foot cable is included so the bell can be located up to 15 feet from the keylocked box.

Mounting hardware is included. Simply hang the enclosure and bell, plug it in and enter your program. See the AP21LV brochure and manual for more details on programming and operation.

TWO YEAR WARRANTY



**APPLIED
TECHNICAL
SYSTEMS**

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DESCRIPTION

The AP21BP1 is a self-contained, Plug and Play, Bell Ringing System for small schools and factories. It uses the time proven AP21LV Time Switch as the bell programmer. The AP21LV has an AUTO PROMPTING, alpha-numeric display and a 16 key, positive action keyboard that makes programming fast and simple.

It includes a high quality, low-voltage, six-inch bell, which is pre-wired with a 15 foot cable for easy installation. Mounting hardware is included. No wiring is required. Simply hang the enclosure and the bell, plug it in, and enter your bell program.

SPECIFICATIONS

AP21LV PROGRAMMING CAPABILITIES

EASY TO USE - 16 character alphanumeric, LCD display and "Auto Prompt" software provides display information to guide the operator during programming.

UP TO 30 POWERFUL PROGRAM STEPS - Select either a 16 step or 30 step program size from the keyboard. Each program step can be programmed for any day of the week, or for all 5 weekdays, or for both weekend days, or for everyday of the week providing up to 105 ON's and 105 OFF's, for a total of 210 events per week.

UP TO 10 SKIP PLANS - A 16 step program has 10 skip plans, a 30 step program has 3. Each skip plan has a starting and ending date during which all events are skipped.

PROGRAMMABLE DST ADJUSTMENT - The AP21 Series Time Switches can be programmed to automatically adjust their time for Daylight Savings Time changes according to U. S. law, even if the law changes.

AUTOMATIC LEAP YEAR ADJUSTMENT

MANUAL OVERRIDE - The output relay can be manually energized or de-energized from the keyboard.

PULSED / MOMENTARY OUTPUT - The output can be programmed to operate as a momentary contact, programmable from 1 to 99 seconds.

POWER FAIL BACKUP - In the event of a power failure, program and time keeping are maintained for 48 hours on a rechargeable capacitive backup system. The relay output and the display are disabled during backup.

TIME KEEPING - Synchronous with the AC power line. During a power failure it is quartz crystal controlled with an accuracy of +/- .003% throughout its full temperature range.

PROGRAMMED EVENTS - On/Off events are programmable with a one minute resolution and occur at the zero second of that minute.

ELECTRICAL/PHYSICAL

Power:

24 VAC, 60 Hz, 300 mA Max. A 120 VAC to 24 VAC 500 mA Power Module is included. Plugs into standard 120 VAC, 60 Hz outlet.

Output: Relay controls 24 VAC output for driving the 6" bell.

Bell: F-4436-24 Six-Inch Bell - 24VAC, 220 mA, 81 dB / 95 dBA. Includes an F-3014 cast aluminum box. Color: Beige.

Bell Wiring: Pre-Wired with a 15 foot cable.

Enclosure: Painted steel (beige) with a hinged, keylocked door. Mounting hardware is provided.

Size: 7" W x 12" H x 4" D.

Weight: Including the six inch bell - 5 lbs.

Operating Temperature Range: 0 to 50 C.